

### *10.5.5 Utilidades: Java*

#### *10.5.5.1 Capa controlador*

##### *10.5.5.1.a Filtros*

###### *10.5.5.1.a.1 application.util.controller.filter*

#### **DefaultFilter**

```
package application.util.controller.filter;

import java.io.IOException;

import javax.servlet.Filter;
import javax.servlet.FilterChain;
import javax.servlet.FilterConfig;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.ServletRequest;
import javax.servlet.ServletResponse;

import application.util.exceptions.InternalErrorException;

/**
 * A base Filter to facilitate the implementation of
 * web applications using Filter. It provides a default implementation
 * of doFilter that calls on the abstract method
 * doFilterProcess.
 * <BR>
 * Gets next filter in chain. Gets "forward" init parameter in case
 * this the last filter in chain and request passes successfully this
 * filter.
 * <BR>
 * Gets "error" init parameter in case of error.
 */
public abstract class DefaultFilter implements Filter {
```

```
private FilterConfig filterConfig = null;

/**
 * Creates a new instance of Filter
 */
public DefaultFilter() {
}

/**
 * Inits config parameters.
 */
public void init(FilterConfig filterConfig) throws
    ServletException {

    this.filterConfig = filterConfig;
}

/**
 * Resets config parameters.
 */
public void destroy(){
    this.filterConfig = null;
}

/**
 * Defines <code>doFilterProcess</code> method for being
 * implemented for each filter.
 * <BR>
 * Gets next filter in chain. Gets "forward" init parameter in
 * case this is the last filter in chain and request passes
 * successfully this filter.
 * <BR>
 * Gets "error" init parameter in case of error.
 */
public void doFilter(ServletRequest request, ServletResponse
    response, FilterChain filterChain) throws IOException,
    ServletException{

    RequestDispatcher requestDispatcher = null;

    try {

        Boolean passFilter = doFilterProcess(request, response);

        if (passFilter){

            filterChain.doFilter(request, response);
        } else{

            String forward = filterConfig.getInitParameter("forward");

            requestDispatcher = request.getRequestDispatcher(forward);
            requestDispatcher.forward(request, response);
        }

    } catch (InternalErrorException e){
```

---

```
        String errorPage = filterConfig.getInitParameter("error");

        requestDispatcher =
            request.getRequestDispatcher(errorPage);
        requestDispatcher.forward(request, response);
    }
}

/**
 * This method has to be implemented when a filter implements this
 * class.
 */
protected abstract Boolean doFilterProcess(ServletRequest request,
    ServletResponse response) throws IOException,
    ServletException, InternalErrorException;
}
```

#### 10.5.5.1.b Struts

##### 10.5.5.1.b.1 application.util.controller.struts

#### DefaultAction

```
package application.util.controller.struts;

import java.io.IOException;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import javax.servlet.ServletContext;
import javax.servlet.ServletException;

import org.apache.struts.action.Action;
import org.apache.struts.action.ActionForm;
import org.apache.struts.action.ActionForward;
import org.apache.struts.action.ActionMapping;

import application.util.exceptions.InternalErrorException;

/**
 * A base Action to facilitate the implementation of web applications
 * using Struts. It provides a default implementation of execute that
 * calls on the abstract method doExecute.
 */
```

---

---

```
*/
public abstract class DefaultAction extends Action {

    /**
     * A default implementation of Execute that calls on the abstract
     * method doExecute. Currently its responsibilities are as
     * follows:
     * It catches InternalErrorException (thrown by doExecute
     * and calls on the protected method doOnInternalErrorException.
     */
    public ActionForward execute(ActionMapping mapping, ActionForm
        form, HttpServletRequest request, HttpServletResponse
        response) throws IOException, ServletException {

        try {
            return doExecute(mapping, form, request, response);
        } catch (InternalErrorException e) {
            return doOnInternalErrorException(mapping, form, request,
                response, e);
        }
    }

    protected abstract ActionForward doExecute(ActionMapping mapping,
        ActionForm form, HttpServletRequest request,
        HttpServletResponse response) throws IOException,
        ServletException, InternalErrorException;

    /**
     * Treats an InternalErrorException thrown by doExecute. In
     * particular, it works as follows:
     * Logs the <InternalErrorException.
     * Returns the ActionForward returned by
     * mapping.findForward("InternalError").
     */
    protected ActionForward doOnInternalErrorException( ActionMapping
        mapping, ActionForm form, HttpServletRequest request,
        HttpServletResponse response,
        InternalErrorException internalErrorException) throws
        IOException, ServletException {

        /* Log error, even with debug level <= 0, because it is a
        * severe error. */

        ServletContext servletContext =
            servlet.getServletConfig().getServletContext();
        servletContext.log(internalErrorException.getMessage(),
            internalErrorException);

        /* Redirect to input page. */
        return mapping.findForward("InternalErrorPage");
    }
}
}
```

---

**AdministratorDefaultAction**

```
package application.util.controller.struts;

import java.io.IOException;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import javax.servlet.ServletContext;
import javax.servlet.ServletException;

import org.apache.struts.action.Action;
import org.apache.struts.action.ActionForm;
import org.apache.struts.action.ActionForward;
import org.apache.struts.action.ActionMapping;

import application.util.exceptions.AdministratorRequiredException;
import application.util.exceptions.InternalErrorException;

/**
 * A base Action to facilitate the implementation of web applications
 * using Struts. It provides a default implementation of execute that
 * calls on the abstract method doExecute.
 */
public abstract class AdministratorDefaultAction extends Action {

    /**
     * A default implementation of Execute that calls on the abstract
     * method doExecute. Currently its responsibilities are as
     * follows:
     * It catches InternalErrorException (thrown by doExecute
     * and calls on the protected method doOnInternalErrorException.
     */
    public ActionForward execute(ActionMapping mapping, ActionForm
        form, HttpServletRequest request, HttpServletResponse
        response) throws IOException, ServletException {

        try {
            return doExecute(mapping, form, request, response);
        } catch (AdministratorRequiredException e) {
            return doOnAdministratorRequiredException(mapping, form,
                request, response, e);
        } catch (InternalErrorException e) {
            return doOnInternalErrorException(mapping, form, request,
                response, e);
        }
    }

    protected abstract ActionForward doExecute(ActionMapping mapping,
        ActionForm form, HttpServletRequest request,
        HttpServletResponse response) throws IOException,
        ServletException, InternalErrorException;
}
```

---

```
/**
 * Treats an AdministratorRequiredException thrown by doExecute.
 * In particular, it works as follows:
 * Logs the <AdministratorRequiredException.
 * Returns the ActionForward returned by
 * mapping.findForward("AdministratorRequired").
 */
protected ActionForward doOnAdministratorRequiredException(
    ActionMapping mapping, ActionForm form, HttpServletRequest
    request, HttpServletResponse response,
    AdministratorRequiredException
        administratorRequiredException) throws IOException,
    ServletException {

    /* Log error, even with debug level <= 0, because it is a
     * severe error. */
    ServletContext servletContext =
        servlet.getServletConfig().getServletContext();

    servletContext.log(administratorRequiredException.getMessage(),
        administratorRequiredException);

    /* Redirect to input page. */
    return mapping.findForward("AdministratorRequiredPage");
}

/**
 * Treats an InternalErrorException thrown by doExecute. In
 * particular, it works as follows:
 * Logs the <InternalErrorException.
 * Returns the ActionForward returned by
 * mapping.findForward("InternalError").
 */
protected ActionForward doOnInternalErrorException( ActionMapping
    mapping, ActionForm form, HttpServletRequest request,
    HttpServletResponse response,
    InternalErrorException internalErrorException) throws
    IOException, ServletException {

    /* Log error, even with debug level <= 0, because it is a
     * severe error. */
    ServletContext servletContext =
        servlet.getServletConfig().getServletContext();
    servletContext.log(internalErrorException.getMessage(),
        internalErrorException);

    /* Redirect to input page. */
    return mapping.findForward("InternalErrorPage");
}
}
```

#### 10.5.5.1.c Tiles

---

10.5.5.1.c.1 [application.util.view.tiles](#)**PlusTargetMenuItem**

```
package application.util.view.tiles;

import org.apache.struts.tiles.beans.SimpleMenuItem;

/**
 * This class extends SimpleMenuItem adding target and role
 * attributes. This allows use this attributes in a item target when
 * defining a link item menu.
 */
public class PlusTargetMenuItem extends SimpleMenuItem {

    private String target = null;
    private String role= null;

    public void setTarget(String target) {
        this.target = target;
    }

    public String getTarget(){
        return target;
    }

    public void setRole(String role) {
        this.role = role;
    }

    public String getRole(){
        return role;
    }

    public String toString() {

        StringBuffer buff = new StringBuffer("PlusTargetMenuItem[");

        if(super.toString() != null) {
            buff.append(super.toString()).append(", ");
        }

        if (getTarget() != null) {
            buff.append("target=").append(getTarget()).append(", ");
        }

        if (getRole() != null) {
            buff.append("role=").append(getTarget()).append(", ");
        }
    }
}
```

---

```
        buff.append("]");
        return buff.toString();
    }
}
```

#### 10.5.5.2 *Modelo*

##### 10.5.5.2.a *JNDI*

###### 10.5.5.2.a.1 application.util.jndi

### **ConfigurationParametersManager**

```
package application.util.jndi;

import java.util.Map;
import java.util.HashMap;
import java.util.Collections;

/* JNDI. */
import javax.naming.InitialContext;

/**
 * Looks for a parameter value in a JNDI context. If a parameter is
 * not found throws a
 * MissingConfigurationParameterException. A parameter
 * JNDI accessible may be configured in web.xml file.
 */
public final class ConfigurationParametersManager {

    /* JNDI prefix. */
    private static final String JNDI_PREFIX = "java:comp/env/";

    private static Map<String, String> parameters;

    static {

        /* We assume configuration with JNDI. */
        System.out.println("*** Using JNDI for configuration ***");

        /* We use a synchronized map because it will be filled by
         * using a lazy strategy.*/
        parameters = Collections.synchronizedMap(new HashMap<String,
String>());
    }
}
```



```
private ConfigurationParametersManager() {}

/**
 * Looks for a parameter value in a JNDI context. If a parameter
 * is not found throws a
 * <code>MissingConfigurationParameterException</code>.
 */
public static String getParameter(String name) throws
    MissingConfigurationParameterException {

    String value = (String) parameters.get(name);

    /* If value is null, look for it in the initial context.*/
    if (value == null) {
        try {
            InitialContext initialContext = new InitialContext();
            value = (String) initialContext.lookup(JNDI_PREFIX +
                name);
            parameters.put(name, value);
        } catch (Exception e) {
            throw new
                MissingConfigurationParameterException(name);
        }
    }
    return value;
}
}
```

### **MissingConfigurationParameterException**

```
package application.util.jndi;

/**
 * When a parameter is not found in a JNDI context, this exception
 * will be thrown.
 */
public class MissingConfigurationParameterException extends Exception
{

    private String parameterName;

    public MissingConfigurationParameterException(String
        parameterName) {
        super("Missing configuration parameter: '" + parameterName +
            "'");
        this.parameterName = parameterName;
    }

    public String getParameterName() {
```

---

```
        return parameterName;
    }
}
```

#### 10.5.5.2.b SQL

##### 10.5.5.2.b.1 application.util.sql

### **GeneralOperations**

```
package application.util.sql;

/* JDBC.*/
import java.sql.ResultSet;
import java.sql.Statement;
import java.sql.Connection;
import java.sql.SQLException;

import application.util.exceptions.InternalErrorException;

public final class GeneralOperations {

    private GeneralOperations() {}

    /**
     * Closes a ResultSet if not null.
     */
    public static void closeResultSet(ResultSet resultSet) throws
        InternalErrorException {

        if (resultSet != null) {
            try {
                resultSet.close();
            } catch (SQLException e) {
                throw new InternalErrorException(e);
            }
        }
    }

    /**
     * Closes a Statement if not null.
     */
    public static void closeStatement(Statement statement) throws
        InternalErrorException {

        if (statement != null) {
            try {
```

```
        statement.close();
    } catch (SQLException e) {
        throw new InternalErrorException(e);
    }
}

/**
 * Closes a Connection if not null.
 */
public static void closeConnection(Connection connection) throws
    InternalErrorException {

    if (connection != null) {
        try {
            connection.close();
        } catch (SQLException e) {
            throw new InternalErrorException(e);
        }
    }
}
}
```

### **DataSourceLocator**

```
package application.util.sql;

import java.util.Map;
import java.util.HashMap;
import java.util.Collections;

/* JDBC. */
import javax.sql.DataSource;

/* JNDI. */
import javax.naming.InitialContext;

import application.util.exceptions.InternalErrorException;

/**
 * Caches references to DataSources. It allows to register
 * explicitly a DataSource under a name, and get a reference to
 * it by its name (using JNDI, if not already registered or cached).
 */
public class DataSourceLocator {

    /**
     * The recommended JNDI context name for all DataSources:
     * java:comp/env/jdbc/
     */
    public static final String JNDI_PREFIX = "java:comp/env/jdbc/";
}
```

```
private static Map<String, DataSource> dataSources =
    Collections.synchronizedMap(new HashMap<String,
        DataSource>());

private DataSourceLocator() {}

/**
 * Allows to register explicitly a DataSource with a
 * given name. This method should only be used when
 * DataSources are not accessible through JNDI (for example
 * when using an application server providing only servlets and
 * JSP).
 * Tomcat provide accessible DataSources.
 */
public static void addDataSource(String name, DataSource
dataSource) {

    dataSources.put(name, dataSource);
}

/**
 * Gets a reference to the DataSource with the given
 * name. If the reference has been explicitly registered
 * (with addDataSource(String, DataSource) or is cached, it
 * is returned immediatelly. Otherwise, JNDI is used to get a
 * reference to it (caching it for the next time) using the JNDI
 * name:
 * JNDI_PREFIX + name. This allows an easy transition from
 * an application server not providing DataSources< registered
 * under JNDI to one providing them.
 */
public static DataSource getDataSource(String name) throws
    InternalErrorException{

    DataSource dataSource = (DataSource)
dataSource.get(name);

    if (dataSource == null) {

        try {

            InitialContext initialContext = new
InitialContext();
            dataSource = (DataSource) initialContext.lookup(
                JNDI_PREFIX + name);

            dataSources.put(name, dataSource);
        } catch (Exception e) {
            throw new InternalErrorException(e);
        }
    }

    return dataSource;
}
}
```

---

**PlainActionProcessor**

```
package application.util.sql;

/* JDBC. */
import java.sql.SQLException;
import java.sql.Connection;
import javax.sql.DataSource;

import application.util.exceptions.ModelException;
import application.util.exceptions.InternalErrorException;

import application.util.sql.GeneralOperations;

/**
 * A utility class to execute plain actions.
 */
public final class PlainActionProcessor {

    private PlainActionProcessor() {}

    /**
     * Executes a nontransactional action over a connection.
     */
    public final static Object process(DataSource dataSource,
        NonTransactionalPlainAction action) throws ModelException,
        InternalErrorException {

        Connection connection = null;

        try {

            connection = dataSource.getConnection();
            return action.execute(connection);

        } catch (SQLException e) {
            throw new InternalErrorException(e);
        } finally {
            GeneralOperations.closeConnection(connection);
        }
    }

    /**
     * Executes a transactional plain action over a connection with
     * transaction isolation level set to "transaction serializable".
     * If the action throws any exception, the transaction is rolled
     * back.
     */
    public final static Object process(DataSource dataSource,
        TransactionalPlainAction action) throws ModelException,
        InternalErrorException {
```

```
Connection connection = null;
boolean committed = false;

try {
    /*
     * Get a connection with autocommit to "false" and
     * isolation level to "TRANSACTION_SERIALIZABLE".
     */
    connection = dataSource.getConnection();
    connection.setAutoCommit(false);
    connection.setTransactionIsolation(
        Connection.TRANSACTION_SERIALIZABLE);

    /* Execute action. */
    Object result = action.execute(connection);

    /* Commit transaction. */
    connection.commit();
    committed = true;

    /* Return "result". */
    return result;
} catch(SQLException e) {
    throw new InternalErrorException(e);
} finally {
    try {
        if (connection != null) {
            if (!committed) {
                connection.rollback();
            }
            connection.close();
        }
    } catch (SQLException e) {
        throw new InternalErrorException(e);
    }
}
}
```

### **PlainAction**

```
package application.util.sql;

/* JDBC. */
import java.sql.Connection;

import application.util.exceptions.ModelException;
import application.util.exceptions.InternalErrorException;
```

---

```
/**
 * The base interface of all plain actions. A plain action is an
 * bussiness action executed with plain Java classes, using JDBC as
 * database accesss technology.
 */
public interface PlainAction {

    Object execute(Connection connection) throws ModelException,
        InternalErrorException;

}
```

### **NonTransactionalPlainAction**

```
package application.util.sql;

/**
 * A marker interface to specify a non-transactional plain action.
 */
public interface NonTransactionalPlainAction extends PlainAction {}
```

### **TransactionalPlainAction**

```
package application.util.sql;

/**
 * A marker interface to specify a transactional plain action.
 */
public interface TransactionalPlainAction extends PlainAction {}
```

#### *10.5.5.2.c Excepciones*

##### 10.5.5.2.c.1 application.util.exceptions

### **ModelException**

```
package application.util.exceptions;

/**
 * Other exceptions in this application extends this one.
 */
public abstract class ModelException extends Exception{
```

---

```
private Object key;

protected ModelException(){}

protected ModelException(String specificMessage, Object key) {

    super(specificMessage + " (key = '" + key + "')");
    this.key = key;

}

public Object getKey() {
    return key;
}

}
```

#### **AdministratorRequiredException**

```
package application.util.exceptions;

public class AdministratorRequiredException extends ModelException {

    public AdministratorRequiredException(Object key) {
        super("Operation not allowed", key);
    }

}
```

#### **DuplicateInstanceException**

```
package application.util.exceptions;

public class DuplicateInstanceException extends ModelException {

    public DuplicateInstanceException(Object key) {
        super("Duplicate instance", key);
    }

}
```

#### **InstanceNotFoundException**

```
package application.util.exceptions;
```

---



```
public class InstanceNotFoundException extends ModelException {  
    public InstanceNotFoundException(Object key) {  
        super("Instance not found", key);  
    }  
}
```

### **IncorrectPasswordException**

```
package application.util.exceptions;  
  
public class IncorrectPasswordException extends ModelException {  
    public IncorrectPasswordException(Object key) {  
        super("Incorrect password", key);  
    }  
}
```

### **OperationNotAllowedException**

```
package application.util.exceptions;  
  
public class OperationNotAllowedException extends ModelException {  
    public OperationNotAllowedException(Object key) {  
        super("Administrator required", key);  
    }  
}
```

### **InternalErrorException**

```
package application.util.exceptions;  
  
import java.io.PrintStream;  
import java.io.PrintWriter;  
  
public class InternalErrorException extends Exception {  
    private Exception encapsulatedException;  
  
    public InternalErrorException(Exception exception) {  
        encapsulatedException = exception;  
    }  
}
```

---

```
public String getMessage() {
    return encapsulatedException.getMessage();
}

public Exception getEncapsulatedException() {
    return encapsulatedException;
}

public void printStackTrace() {
    printStackTrace(System.err);
}

public void printStackTrace(PrintStream printStream) {
    super.printStackTrace(printStream);
    printStream.println("***Information about encapsulated
exception***");
    encapsulatedException.printStackTrace(printStream);
}

public void printStackTrace(PrintWriter printWriter) {
    super.printStackTrace(printWriter);
    printWriter.println("***Information about encapsulated
exception***");
    encapsulatedException.printStackTrace(printWriter);
}
}
```

## 10.5.6 Vista

### 10.5.6.1.a Páginas JSP

#### 10.5.6.1.a.1 `/`

##### **index.jsp**

```
<jsp:forward page="Index.do"/>
```

#### 10.5.6.1.a.2 `/CSS/`

##### **Default.css**

```
<!-- Web view. -->

BODY { background-color: #FFFFFF;
margin: 2em;
color: black;
line-height: 2em;
font-family: tahoma, serif;
font-size: small;
font-style: normal;
font-weight: normal;
}

A { color: black }

BLOCKQUOTE { line-height: 1.5em; text-align: justify; }

DIV.logo { float: left;
position: fixed;
top: 2em;
line-height: 2em;
font-size: large;
font-weight: bold;
```

```
    }

DIV.userworking {  float: right;
                   position: fixed;
                   right: 2em;
                   background-color: #FAEF67;
                   border-left: thin dotted;
                   padding: 1em;
                   color: #848336;
                   font-size: x-small;
                   }

DIV.upperlinks {  clear: both;
                  left: 2em;
                  position: fixed;
                  width: 100%;
                  background-color: #C6C46E;
                  margin: 0em 0em 1em;
                  padding: 0em 1em;
                  line-height: 2em;
                  color: #FFFFFF;
                  font-size: x-small;
                  vertical-align: middle;
                  }

DIV.upperlinks A { color: #FFFFFF; }

DIV.pagelinks {  position: fixed;
                 clear: both;
                 background-color: #FFFFFF;
                 color: black;
                 font-size: x-small;
                 text-align: right;
                 line-height: 2em;
                 }

DIV.leftlinks {  position: fixed;
                 width: 20%;
                 left: 2em;
                 float: left;
                 background-color: #C6C46E;
                 border-right: #C6C46E thin dotted;
                 padding: 1em;
                 color: black;
                 font-size: x-small;
                 text-align: center;
                 line-height: 2em;
                 }

DIV.leftlinks A {  color: black; }

DIV.submenuTitle {  font-weight: bold; }

DIV.resume {  position: fixed;
              right: 2em;
              background-color: #F5D96F;
```

```

padding-left: 2em;
color: #848336;
line-height: 2em;
text-align: left;
}

DIV.content { float: right;
position: fixed;
right: 2em;
top: 12em;
width: 80%;
background-color: #FFFFFF;
padding: 3em;
color: black;
text-align: center;
}

DIV.footer { position: fixed;
clear: both;
left: 2em;
width: 100%;
background-color: #C6C46E;
color: #FFFFFF;
font-size: x-small;
text-align: right;
line-height: 2em;
}

DIV.row { clear: both; }

DIV.column { width: 48%; }

DIV.findpage { color : #848336; font-size : smaller; padding: 1em
0em 4em; }

DIV.findpage A { color : #848336; }

P.internalError { font-size : smaller; color : red; font-weight
: bolder; }

P.success { font-size : smaller; font-weight : bolder; }

P.error { color: red;}

P.rule { font-size: smaller; text-align: center; font-style:
italic; }

P.title{ clear: both;
margin: 3em;
border-bottom: #C6C46E solid thin;
font-size: smaller;
text-align: left;
font-weight: bold;
}

SPAN.left { float: left; }

```

---

---

```
SPAN.right {    float: right; }

SPAN.label {    clear: left;
                float: left;
                width: 30%;
                padding: 1em;
                text-align: center;
                font-style: italic;
                line-height: 1em;
                }

SPAN.value {    float: left;
                clear: none;
                padding: 1em;
                text-align: left;
                font-family: courier new, monospace;
                line-height: 1em;
                }

SPAN.error {    float: left;
                clear: right;
                padding: 1em;
                text-align: center;
                line-height: 1em;
                }

FIELDSET { padding: 2em; border: #C6C46E solid thin; }

TABLE { border-collapse: collapse;
        width: 100%;
        text-align : center;
        margin : 0em;
        padding: 0em;
        }

CAPTION { caption-side: top;
          width: auto;
          text-align: left;
          font-size: smaller;
          font-style: italic;
          padding: 2em 0em;}

TH {    background : "#FAEF67";
        color : "#848336";
        font-size : smaller;
        font-weight : normal;
        border: 0.2em solid white;
        padding: 0em;}

TR { height : 2em; }

#m {    font-family: monospace; }
#true { background : #F0F0F0; }
#false { background : #FFFFFF; }
#onlyprint { visibility : hidden; }
```

---

**Print.css**

```
<!-- Print view. -->
```

```
BODY { background-color: #FFFFFF;
margin: 2em;
color: black;
font-family: tahoma, serif;
font-style: normal;
font-weight: normal;
font-size: small;
line-height: 2em;
}

A { color: black; text-decoration : none; }

BLOCKQUOTE { text-align: justify; line-height: 1.5em; }

DIV.logo { top: 2em;
float: left;
color: #666666;
font-weight: bold;
font-size: large;
line-height: 2em;
position: fixed;
}

DIV.resume { position: fixed;
right: 2em;
padding: 2em;
clear: both;
height: 3em;
text-align: center;
text-decoration: underline;
font-weight: bold;
font-size: larger;
line-height: 2em;
}

DIV.content { position: fixed;
clear: both;
background-color: #FFFFFF;
padding: 2em;
color: black;
text-align: center;
}

DIV.footer { position: fixed;
clear: both;
left: 2em;
width: 100%;
```

---

---

```
        color: #666666;
        font-size: x-small;
        text-align: right;
    }

    DIV.row { clear: both; }

    DIV.column { width: 48%; }

    DIV.findpage { visibility: hidden; }

    SPAN.left { float: left; }

    SPAN.right { float: right; }

    SPAN.label { clear: left;
        float: left;
        width: 50%;
        padding: 1em;
        text-align: center;
        line-height: 1em;
    }

    SPAN.value { float: left;
        clear: none;
        padding: 1em;
        color: #666666;
        text-align: left;
        font-family: courier new, monospace;
        font-weight: bold;
        line-height: 1em;
    }

    SPAN.error { float: left;
        clear: right;
        padding: 1em;
        text-align: center;
        line-height: 1em;
    }

    FIELDSET { border: none; }

    P.error { color: red; }

    P.rule { font-size: smaller;
        text-align: center;
        font-style: italic;
    }

    P.title{ clear: both;
        margin: 3em;
        border-bottom: #666666 solid thin;
        font-size: smaller;
        text-align: left;
        font-weight: bold;
    }
```

---



```
#m { font-family: monospace;
      color: #666666;
      font-weight: bold; }

TABLE { border-collapse: collapse;
        width: 100%;
        text-align : center;
        margin : 0em;
        padding: 0em;
        }

CAPTION { caption-side: top;
          width: auto;
          text-align: left;
          font-style: italic;
          padding: 2em 0em; }

TH { font-size : smaller;
      font-weight : bolder;
      text-decoration : underline;
      padding : 2em;
      }

#true { background : #F0F0F0; }
#false { background : #FFFFFF; }
#noprint { visibility : hidden; }
```

#### 10.5.6.1.a.3 [/HTML/layout/](#)

##### **DefaultTemplate.jsp**

```
<!-- Struts and JSTL tag libraries. -->

<%@ taglib uri="http://struts.apache.org/tags-tiles" prefix="tiles" %>
<%@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt" %>

<!-- Start of HTML. -->
<html>

<!-- HTML header. -->
<!-- For using tiles we define title and resume as attributes. -->

<tiles:useAttribute name="title"/>
<tiles:useAttribute name="resume"/>
<tiles:useAttribute name="contentAsMessage"/>

<head>
```

---

---

```
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<title><fmt:message key="${title}"/></title>

<!-- Applies an external style sheet. -->
<LINK REL=StyleSheet
HREF="${pageContext.request.contextPath}/CSS/Default.css"
TYPE="text/css">

</head>

<!-- Start of HTML body. -->
<body>

<div class=logo><a
href="${pageContext.request.contextPath}/Auth/MainPage.do"> ::
MyApplication :: </a></div>

<div class="userworking"><tiles:get name="user_working"/></div>

<div class="upperlinks"><span class="left"><tiles:get
name="main_upper_links"/></span>
<span class="right"><tiles:get
name="action_upper_links"/></span></div>

<div class="pagelinks"><span class="right"><tiles:get
name="page_links"/></span></div>

<div class="leftlinks"><tiles:get name="user_links"/><tiles:get
name="holidays_links"/><tiles:get name="utilities_links"/></div>

<div class="resume"><fmt:message key="${resume}"/></div>

<div class=content><fmt:message key="${contentAsMessage}"/><tiles:get
name="content"/></div>

<div class="footer"><fmt:message key="content.footer"/>.</div>

</body>

</html>
```

### **PrintTemplate.jsp**

```
<%-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-tiles" prefix="tiles" %>
<%@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt" %>

<!-- Start of HTML. -->
<html>

<!-- HTML header. -->
```

---

---

```

<!-- For using internationalitation and tiles we define title and
resume as attributes -->

<tiles:useAttribute name="title"/>
<tiles:useAttribute name="resume"/>

<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-
1">
<title><fmt:message key="{title}"/></title>

<!-- Applies an external style sheet. -->
<LINK REL=StyleSheet
HREF="{pageContext.request.contextPath}/CSS/Print.css"
TYPE="text/css">

</head>

<!-- Start of HTML body. -->
<body>

<div class=logo> :: MyApplication :: </a></div>
<div class="resume"><fmt:message key="{resume}"/></div>
<div class=content><tiles:get name="content"/></div>
<div class="footer"><fmt:message key="content.footer"/>.</div>

<body>

</html>

```

### **PageLinksTemplate.jsp**

```

<!-- Struts and JSTL tag libraries. -->
<%@ taglib uri="http://struts.apache.org/tags-tiles" prefix="tiles"%>
<%@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core"%>

<tiles:useAttribute name="pageLinks"/>

<c:if test="{!(empty pageLinks)}"><p><c:forEach var="pageLink"
items="{pageLinks}">

<c:if test="{((empty pageLink.role)
|| (pageLink.role eq 'adm') && !(empty
sessionScope.administratorName) )
|| (pageLink.role eq 'user') && (empty
sessionScope.administratorName) )}">
|<a target="{pageLink.target}"
href="{pageContext.request.contextPath}{pageLink.link}">
<fmt:message key="{pageLink.value}"/></a>
<c:set var="exist" value="true"/></c:if>

```

---

```

</c:forEach><c:if
test="{exists}">&nbsp;|</c:if>&nbsp;|</font></p></c:if>

```

### HLinksTemplate.jsp

```

<!-- Struts and JSTL tag libraries. -->
<%@ taglib uri="http://struts.apache.org/tags-tiles" prefix="tiles"%>
<%@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core"%>

<tiles:useAttribute name="hLinks"/>

<c:if test="{!(empty hLinks)}"><p><c:forEach var="hLink"
items="{hLinks}">

<c:if test="{((empty hLink.role)
|| ( hLink.role eq 'adm') && !(empty sessionScope.administratorName)
)
|| ( (hLink.role eq 'user') && (empty sessionScope.administratorName)
))}">
&nbsp;|&nbsp;|&nbsp;|<a target="{hLink.target}"
href="{pageContext.request.contextPath}{hLink.link}"><fmt:message
key="{hLink.value}"></a>
<c:set var="exist" value="true"/></c:if>

</c:forEach><c:if test="{exists}">&nbsp;|</c:if></p></c:if>

```

### VLinksTemplate.jsp

```

<!-- Struts and JSTL tag libraries. -->
<%@ taglib uri="http://struts.apache.org/tags-tiles" prefix="tiles"%>
<%@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core"%>

<tiles:useAttribute name="vLinks"/>
<tiles:useAttribute name="vTitle"/>

<c:if test="{!(empty vLinks)}"><br>
<div class="submenuTitle"><fmt:message key="{vTitle}"></div>

<c:forEach var="vLink" items="{vLinks}"><div class="submenuLinks">

<c:if test="{((empty vLink.role)
|| ( vLink.role eq 'adm') && !(empty
sessionScope.administratorName) )
|| ( (vLink.role eq 'user') && (empty
sessionScope.administratorName) ))}">

```

---

```
- <a target="{vLink.target}"
href="{pageContext.request.contextPath}{vLink.link}">
<fmt:message key="{vLink.value}"/></a></c:if>

</div></c:forEach>

</c:if>
```

### **BasicTemplate.jsp**

```
<!-- Struts and JSTL tag libraries. --%>

<%@ taglib uri="http://struts.apache.org/tags-tiles" prefix="tiles" %>
<%@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt" %>

<!-- Start of HTML. -->

<html>

<!-- HTML header. -->

<!-- For using tiles we define title and resume as attributes. --%>

<tiles:useAttribute name="title"/>
<tiles:useAttribute name="resume"/>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-
1">
<title><fmt:message key="{title}"/></title>

<!-- Applies an external style sheet. -->
<LINK REL=StyleSheet
HREF="{pageContext.request.contextPath}/CSS/Default.css"
TYPE="text/css">

</head>

<!-- Start of HTML body. -->

<body>

<div class=logo><a
href="{pageContext.request.contextPath}/Auth/MainPage.do"> ::
MyApplication :: </a></div>
<div class="resume" style="{clear:both}"><fmt:message
key="{resume}"/></div>
<div class=content><tiles:get name="content"/></div>
<div class="footer"><fmt:message key="content.footer"/>.</div>

</body>
```

---

</html>

10.5.6.1.a.4 [/HTML/commons/](#)

### **User\_working.jsp**

```
<%-- JSTL tag libraries. --%>

<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<c:if test="${!(empty sessionScope.administratorName)}">
<fmt:message key="userProfile.isAdministrator"/> : <c:out
value="${sessionScope.administratorName}"/>
</c:if>
<br>
<fmt:message key="userProfile.loginName"/> : <c:out
value="${sessionScope.loginName}"/>
<br>
```

### **FindResultPageLink.jsp**

```
<%-- Struts and JSTL tag libraries. --%>

<%@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt"%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>

<p>|&nbsp;<html:link
href="${pageContext.request.contextPath}${action}" name="all">
<fmt:message key="link.findResult.showAll"/></html:link>
&nbsp;<html:link target="_blank"
href="${pageContext.request.contextPath}/Print${action}" name="all">
<fmt:message
key="link.findResult.print"/></html:link>&nbsp;</p>
```

### **ViewHolidaysRequestPageLink.jsp**

```
<%-- Struts and JSTL tag libraries. --%>

<%@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt"%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
```

---

```
<p>|&nbsp;<html:link target="_blank"  
href="{pageContext.request.contextPath}/Auth/PrintViewHolidaysRequest  
.do?autoId={requestScope.autoId}">  
<fmt:message  
key="link.holidays.viewHolidaysRequest.print"/></html:link>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;  
p</p>
```

10.5.6.1.a.5 /HTML/**Login.jsp**

```
<!-- Struts and JSTL tag libraries. --%>
<@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt" %>
<@ taglib uri="http://java.sun.com/jstl/core" prefix="c" %>

<html:form action="Login.do" focus="loginName">

<fieldset>

<div class="row">
<span class="label"><fmt:message key="userProfile.loginName"/> :
</span>
<span class="value"><html:text property="loginName" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="loginName"/></span>
</div>

<br>

<div class="row">
<span class="label"><fmt:message key="userProfile.password"/> :
</span>
<span class="value"><html:password property="password" size="16"
maxlength="9"/></span>
<span class="error"><html:errors property="password"/></span>
</div>

<br>

<div class="row"><span class="button"><html:submit><fmt:message
key="buttons.accept"/></html:submit></span></div>

</fieldset>

<c:set var="errors"
value="<%=request.getAttribute("org.apache.struts.action.ERROR")%>"/>
<c:if test="${!(empty errors)}"><p class="error"><fmt:message
key="error.action.login"/></p></c:if>

</html:form>
```

**MainPage.jsp**

---



```

<blockquote>
  <p><strong>BIENVENIDO</strong></p><br>
  <p>Ha entrado usted en <strong>:: MyApplication ::</strong>,
  aplicación web básica utilizada para presentar la tecnología J2EE.</p>
  <p>Con esta aplicación nos centramos en el uso de las tecnologías
  web Servlets y JavaServer Pages, así como el framework de Struts.</p>
  <p>Características importantes en la realización de este portal
  son la arquitectura MCV y el uso de "Patrones de Diseño".</p>
  <p>Para resaltar la importancia del uso de la arquitectura MVC se
  ha añadido facilidades de acceso a nuestra aplicación a través de SMS
  utilizando como servidor de SMS "KANNEL".</p>
  <br>
  <p>En la realización de esta aplicación se ha procurado potenciar
  la utilización de Software Libre.</p>
</blockquote>

```

### RegisterUser.jsp

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>

<html:form action="Auth/Adm/RegisterUser.do" focus="loginName">

<fieldset>

<div class="row" id="onlyprint"><blockquote><p class="rule">
(<fmt:message key="rules.copyForm"/>.)</p></div>

<div class="row" id="noprint"><blockquote><p class="rule">
<fmt:message key="rules.mandatoryFields"/>.</p></blockquote></div>

<br>

<div class="column" style="clear:left;float:left">
<span class="label"><fmt:message key="userProfile.loginName"/>* :
</span>
<span class="value"><html:text property="loginName" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="loginName"/></span></div>

<div class="column" style="clear:right;float:right" >
<span class="label"><fmt:message key="userProfile.password"/>* :
</span>
<span class="value"><html:password property="password" size="16"
maxlength="9"/></span>
<span class="error"><html:errors property="password"/></span></div>

<div class="column" style="clear: both; float:right" id="noprint">
<span class="label"><fmt:message key="userProfile.retypePassword"/>* :
</span>
<span class="value"><html:password property="retypePassword" size="16"
maxlength="9"/></span>

```

---

```

<span class="error"><html:errors
property="retypePassword" /></span></div>

<div class="row" id="onlyprint"><blockquote><p class="rule">
<fmt:message key="rules.loginName.value" />. <fmt:message
key="rules.loginName.propose" />. <fmt:message
key="rules.loginName.final" />.</p></blockquote></div>

<div class="row" id="onlyprint"><blockquote><p class="rule">
<fmt:message key="rules.password.temporary" />. <fmt:message
key="rules.password.changeMandatory" />.</p>
</blockquote></div>

<div class="row"><p class="title"><fmt:message
key="userProfile.details.title" /></p></div>

<jsp:include page="UserProfileDetails.jsp" />

<div class="row"><p class="title"><fmt:message
key="userProfile.access.title" /></p></div>

<jsp:include page="UserProfileAccess.jsp" />

<div class="row"><p class="title"><fmt:message
key="userProfile.sms.title" /></p></div>

<div class="row" style="width: 70%; font-size:smaller">
<span class="label"><fmt:message key="userProfile.phone" /></span>
<span class="value"><html:text property="phone" size="12"
maxlength="9" styleId="m" /></span>
<span class="error"><html:errors property="phone" /></span></div>

<div class="row"><blockquote><p class="rule"><fmt:message
key="rules.phone.info" />. <fmt:message
key="rules.notMandatoryField" />.</p>
</blockquote></div>

<div class="row" id="onlyprint"><p class="title"><fmt:message
key="userProfile.notes" /></p></div>

<div class="row" id="noprint"><span class="button"><html:submit
><fmt:message key="buttons.accept" /></html:submit></span></div>

</fieldset>

<div class="row" id="onlyprint"><textarea rows="10" cols="50"
style="overflow: hidden"></textarea></div>

</html:form>

```

### **UserProfileDetails.jsp**

```
<%-- Struts and JSTL tag libraries. --%>
```

---

```
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>

<div class="row" style="width: 70%; font-size:smaller">
<span class="label"><fmt:message key="userProfile.firstName"/> :
</span>
<span class="value"><html:text property="firstName" size="40"
maxlength="30" styleId="m"/></span>
<span class="error"><html:errors property="firstName"/></span></div>

<div class="row" style="width: 70%; font-size:smaller">
<span class="label"><fmt:message key="userProfile.surname"/> : </span>
<span class="value"><html:text property="surname" size="40"
maxlength="40" styleId="m"/></span>
<span class="error"><html:errors property="surname"/></span></div>

<div class="row" style="width: 70%; font-size:smaller">
<span class="label"><fmt:message key="userProfile.document"/> :
</span>
<span class="value"><html:text property="document" size="12"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="document"/></span></div>

<div class="row" style="width: 70%; font-size:smaller">
<span class="label"><fmt:message key="userProfile.email"/> : </span>
<span class="value"><html:text property="email" size="40"
maxlength="40" styleId="m"/></span>
<span class="error"><html:errors property="email"/></span></div>

<div class="row" style="width: 70%; font-size:smaller">
<span class="label"><fmt:message key="userProfile.address"/> : </span>
<span class="value"><html:text property="address" size="40"
maxlength="60" styleId="m"/></span>
<span class="error"><html:errors property="address"/></span></div>

<div class="row" style="width: 70%; font-size:smaller">
<span class="label"><fmt:message key="userProfile.details"/> : </span>
<span class="value"><html:textarea property="details" rows="5"
cols="24" style="overflow: hidden" styleId="m"/></span>
<span class="error"><html:errors property="details"/></span>
</div>
```

### **UserProfileAccess.jsp**

```
<!-- Struts and JSTL tag libraries. -->
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>

<div class="row" style="width: 70%; font-size:smaller">
<span class="label"><fmt:message
key="userProfile.isAdministrator"/></span>
<span class="value"><html:checkbox property="isAdministrator"/></span>
```

---

```
<span class="error"><html:errors property="isAdministrator"/></span>
</div>
```

### ViewUserProfile.jsp

```
<%-- Struts and JSTL tag libraries. --%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<div class="row"><span class="label" style="width: 50%; text-align:
right">
<fmt:message key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out
value="\${requestScope.userProfileForm.map.loginName}"/></span></div>

<div class="row"><p class="title"><fmt:message
key="userProfile.details.title"/></p></div>

<div class="row" style="width: 70%"><span class="label"><fmt:message
key="userProfile.firstName"/> : </span>
<span class="value"><c:out
value="\${requestScope.userProfileForm.map.firstName}"/></span></div>

<div class="row" style="width: 70%"><span class="label"><fmt:message
key="userProfile.surname"/> : </span>
<span class="value"><c:out
value="\${requestScope.userProfileForm.map.surname}"/></span></div>

<div class="row" style="width: 70%"><span class="label"><fmt:message
key="userProfile.document"/> : </span>
<span class="value"><c:out
value="\${requestScope.userProfileForm.map.document}"/></span></div>

<div class="row" style="width: 70%"><span class="label">
<fmt:message key="userProfile.email"/> : </span><span
class="value"><c:out
value="\${requestScope.userProfileForm.map.email}"/></span></div>

<div class="row" style="width: 70%"><span class="label">
<fmt:message key="userProfile.address"/> : </span><span
class="value"><c:out
value="\${requestScope.userProfileForm.map.address}"/></span></div>

<div class="row" style="width: 70%"><span class="label"><fmt:message
key="userProfile.details"/> : </span>
<span class="value"><c:out
value="\${requestScope.userProfileForm.map.details}"/></span></div>

<div class="row"><p class="title"><fmt:message
key="userProfile.access.title"/></p></div>
```

---

---

```

<div class="row" style="width: 70%"><span class="label"><fmt:message
key="userProfile.isAdministrator"/> : </span>
<span class="value"><c:choose><c:when
test="\${requestScope.userProfileForm.map.isAdministrator}">
<fmt:message key="default.yes"/></c:when> <c:otherwise><fmt:message
key="default.no"/></c:otherwise></c:choose></span>
</div>

```

```

<div class="row"><p class="title"><fmt:message
key="userProfile.sms.title"/></p></div>

```

```

<div class="row" style="width: 70%"><span class="label"><fmt:message
key="userProfile.phone"/> : </span>
<span class="value"><c:out
value="\${requestScope.userProfileForm.map.phone}"/></span></div>

```

### UpdateUserProfile.jsp

```

<%-- Struts and JSTL tag libraries.--%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<%@ taglib uri="http://struts.apache.org/tags-tiles" prefix="tiles" %>

<tiles:useAttribute name="action"/>

<html:form action="\${action}" focus="firstName">

<fieldset>

<div class="row">
<span class="label" style="width: 50%; text-align: right"><fmt:message
key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${requestScope.userProfileForm.map.loginName}"/>
</span></div>

<div class="row"><p class="title"><fmt:message
key="userProfile.details.title"/></p></div>

<jsp:include page="UserProfileDetails.jsp"/>

<c:if test="\${!(empty sessionScope.administratorName)}">
<div class="row"><p class="title"><fmt:message
key="userProfile.access.title"/></p></div>
<jsp:include page="UserProfileAccess.jsp"/>
</c:if>

<div class="row"><p class="title"></p>

```

---

---

```

<div class="row"><p class="button"><html:submit ><fmt:message
key="buttons.accept"/></html:submit></p>
</div>

</fieldset>

</html:form>

```

### ChangePassword.jsp

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="/Auth/ChangePassword.do" focus="oldPassword">

<fieldset>

<div class="row"><span class="label" style="width: 50%; text-align:
right">
<fmt:message key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${sessionScope.loginName}"/></span></div>

<div class="row"><blockquote><p class="rule">
<fmt:message key="rules.includeOldPassword"/> :
</p></blockquote></div>

<div class="row">
<span class="label"><fmt:message key="userProfile.password"/> :
</span>
<span class="value"><html:password property="oldPassword" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="oldPassword"/></span></div>

<div class="row"><blockquote><p class="rule">
<fmt:message key="rules.includeNewPassword"/> :
</p></blockquote></div>

<div class="row">
<span class="label"><fmt:message key="userProfile.password"/> :
</span>
<span class="value"><html:password property="newPassword" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="newPassword"/></span></div>

<div class="row">
<span class="label"><fmt:message key="userProfile.retypePassword"/> :
</span>
<span class="value"><html:password property="retypeNewPassword"
size="16" maxlength="9" styleId="m"/></span>

```

---

---

```

<span class="error"><html:errors
property="retypeNewPassword" /></span></div>

<div class="row"><span class="button">
<html:submit ><fmt:message
key="buttons.accept" /></html:submit></span></div>

</fieldset>

<c:set var="errors"
value="<%=request.getAttribute("org.apache.struts.action.ERROR")%>" />
<c:if test="<${!(empty errors)}"><p class="error"><fmt:message
key="error.action.changePassword" /></p></c:if>

</html:form>

```

### **GivePassword.jsp**

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="/Auth/Adm/GivePassword.do"
focus="administratorPassword">

<fieldset>

<div class="row"><blockquote><p class="rule">
<fmt:message key="rules.includePassword" /> : </p></blockquote></div>

<div class="row"><span class="label" style="width: 50%; text-align:
right">
<fmt:message key="userProfile.loginName" /> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="<${sessionScope.administratorName}" /></span></div>

<div class="row">
<span class="label"><fmt:message key="userProfile.password" /></span>
<span class="value"><html:password property="administratorPassword"
size="16" maxlength="9" styleId="m" /></span>
<span class="error"><html:errors
property="administratorPassword" /></span></div>

<div class="row"><blockquote><p class="rule">
<fmt:message key="rules.includeNewPassword" /> : </p>
</blockquote></div>

<div class="row">

```

---

---

```

<span class="label" style="width: 50%; text-align: right">
<fmt:message key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${sessionScope.loginName}"/></span></div>

<div class="row">
<span class="label"><fmt:message key="userProfile.password"/></span>
<span class="value"><html:password property="newPassword" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="newPassword"/></span></div>

<div class="row">
<span class="label"><fmt:message
key="userProfile.retypePassword"/></span>
<span class="value"><html:text property="retypeNewPassword" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors
property="retypeNewPassword"/></span></div>

<div class="row"><span class="button">
<html:submit ><fmt:message
key="buttons.accept"/></html:submit></span></div>

</fieldset>

</html:form>

```

### **LoginAsUser.jsp**

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="/Auth/Adm/LoginAsUser.do" focus="password">

<fieldset>

<div class="row"><blockquote><p class="rule">
(<fmt:message key="rules.includePassword"/>.)</p></blockquote></div>

<div class="row">
<span class="label"><fmt:message key="userProfile.loginName"/> :
</span>
<span class="value"><c:out
value="\${sessionScope.administratorName}"/></span>
<span class="error"></span>
</div>

<div class="row">
<span class="label"><fmt:message key="userProfile.password"/> :
</span>

```

---



---

```

<span class="value"><html:password property="password" size="16"
maxlength="9"/></span>
<span class="error"><html:errors property="password"/></span>
</div>

<div class="row"><blockquote><p class="rule">
(<fmt:message
key="rules.includeLoginName.session"/>.)</p></blockquote></div>

<div class="row">
<span class="label"><fmt:message key="userProfile.loginName"/> :
</span>
<span class="value"><html:text property="loginName" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="loginName"/></span>
</div>

<div class="row"><span class="button"><html:submit><fmt:message
key="buttons.accept"/></html:submit></span></div>

</fieldset>

</html:form>

```

### **FindUser.jsp**

```

<!-- Struts and JSTL tag libraries. --%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>

<fieldset>

<html:form action="Auth/FindUser.do">

<html:hidden property="startIndex" value="1"/>
<html:hidden property="count" value="5"/>
<html:hidden property="propertyInName" value="loginName"/>

<div class="row"><span class="left"><html:select
property="propertyByName">
<html:option value="loginName"><fmt:message
key="find.user.allByLoginName"/></html:option>
<html:option value="firstName"><fmt:message
key="find.user.allByFirstName"/></html:option>
<html:option value="surame"><fmt:message
key="find.user.allBySurname"/></html:option></html:select>
<html:errors property="propertyByName"/> </span>
<span class="button" style="float: left; padding-left: 2em">
<html:submit><fmt:message
key="buttons.accept"/></html:submit></span></div>

</html:form>

```

---

---

```
<div class="row" style="width: 5em"><br></div>

<div class="row">
<p style="font-size: smaller; text-decoration: underline"><fmt:message
key="find.rules.prefered"/>
<strong><fmt:message key="find.rules.actionAdvance"/></strong></p>

<html:form action="Auth/FindUser.do" focus="pattern">

<html:hidden property="startIndex" value="1"/>
<html:hidden property="count" value="5"/>

<div class="row">
<span class="label" style="width: 60%"><fmt:message
key="find.pattern"/> : </span>
<span class="value"><html:text property="pattern" size="16"
maxlength="30" styleId="m"/></span>
<span class="error"><html:errors property="pattern"/></span></div>

<div class="row" style="height: 1em">
<p class="rule" style="margin: 0em"><fmt:message
key="find.rules.pattern"/> : </p></div>

<div class="row" style="width: 2em"><br></div>

<div class="row">
<span class="label" style="width: 60%"><fmt:message
key="find.rules.propertyInName"/> : </span>
<span class="value"><html:select property="propertyInName">
<html:option value="loginName"><fmt:message
key="userProfile.loginName"/></html:option>
<html:option value="firstName"><fmt:message
key="userProfile.firstName"/></html:option>
<html:option value="surname"><fmt:message
key="userProfile.surname"/></html:option>
</html:select> </span>
<span class="error"><html:errors
property="propertyInName"/></span></div>

<div class="row">
<span class="label" style="width: 60%"><fmt:message
key="find.rules.propertyByName"/> : </span>
<span class="value"><html:select property="propertyByName">
<html:option value="loginName"><fmt:message
key="userProfile.loginName"/></html:option>
<html:option value="firstName"><fmt:message
key="userProfile.firstName"/></html:option>
<html:option value="surname"><fmt:message
key="userProfile.surname"/></html:option>
</html:select></span>
<span class="error"><html:errors
property="propertyByName"/></span></div>

<div class="row"><span class="button">
<html:submit><fmt:message
key="buttons.accept"/></html:submit></span></div>
```

---

---

```
</html:form>
```

```
</fieldset>
```

### **FindUserResult.jsp**

```
<!-- Struts and JSTL tag libraries. -->
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<table>

<caption>
<c:if test="${!(empty requestScope.all.pattern)}">
<fmt:message key="find.result.pattern"/> "<c:out
value="${requestScope.all.pattern}"/>"<br>
<fmt:message key="find.result.propertyInName"/> "<c:out
value="${requestScope.all.propertyInName}"/>"<br></c:if>
<fmt:message key="find.result.propertyByName"/> "<c:out
value="${requestScope.all.propertyByName}"/>"</caption>

<tr><th style="border-left : none"><fmt:message
key="userProfile.loginName"/></th>
<th><fmt:message key="userProfile.firstName"/></th>
<th><fmt:message key="userProfile.surname"/></th>
<th><fmt:message key="userProfile.email"/></th>
<th><fmt:message key="userProfile.phone"/></th>
<th style="border-right : none" id="noprint"></th></tr>

<c:choose> <c:when test="${empty requestScope.users}">
<tr><td colspan="5" style="padding : 2em 0em"><fmt:message
key="find.result.empty"/>.</td></tr>
</c:when>

<c:otherwise>
<c:set var="color" value="0"/>

<c:forEach var="user" items="${requestScope.users}">

<c:set var="color" value="${!color}"/>
<tr id="${color}"><td><c:url var="userdetailsURL"
value="Auth/Adm/GoToLoginAsUser.do">
<c:param name="loginName" value="${user.loginName}"/></c:url>
<c:if test="${!(empty sessionScope.administratorName)}">
<a href="<c:out
value='${pageContext.request.contextPath}/${userdetailsURL}'/>"></c:if
>
<c:out value="${user.loginName}"/><c:if
test="${sessionScope.administratorName}"></a></c:if></td>

<td><c:out value="${user.userProfileDetailsVO.firstName}"/></td>
```

```

<td><c:out value="\${user.userProfileDetailsVO.surname}"/></td>
<td><c:out value="\${user.userProfileDetailsVO.email}"/></td>
<td><c:out value="\${user.phone}"/></td>
<td style="font-size : smaller;" id="noprint"><c:url var="detailsURL"
value="Auth/Adm/ViewUserDetails.do">
<c:param name="loginName" value="\${user.loginName}"/></c:url>
<a target="_blank" href="\${pageContext.request.contextPath}/\${detailsURL}'/">
<fmt:message key="userProfile.details"/></a></td></tr>
</c:forEach>

</c:otherwise> </c:choose>

</table>

<div class="findpage"><span class="left"><c:if test="\${!empty
requestScope.previous}">
<--<html:link href="\${pageContext.request.contextPath}\${action}"
name="previous">
<fmt:message key="links.previous"/></html:link></c:if></span>
<span class="right"> <c:if test="\${!empty requestScope.next}">
<html:link href="\${pageContext.request.contextPath}\${action}"
name="next">
<fmt:message key="links.next"/></html:link> --></c:if> </span></div>

```

### **RegisterHolidaysService.jsp**

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="Auth/Adm/RegisterHolidaysService.do"
focus="period">

<fieldset>

<div class="row" id="onlyprint"><span class="label"><fmt:message
key="userProfile.loginName"/> : </span>
<span class="value"><input style="text" maxlength="9" size="12"
id="m"/></span></div>

<div class="row" id="noprint">
<span class="label" style="width: 50%; text-align: right">
<fmt:message key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${sessionScope.loginName}"/>
</span></div>

<div class="row"><p class="title"><fmt:message
key="holidaysService.title"/></p></div>

```

---

```

<div class="row">
<span class="label"><fmt:message key="holidaysService.period"/> :
</span>
<span class="value"><html:text property="period" size="10"
maxlength="4" styleId="m"/></span>
<span class="error"><html:errors property="period"/></span></div>
<div class="row"><p class="rule">(<fmt:message
key="rules.period.format"/>.)</p></div>

<div class="row">
<span class="label"><fmt:message key="holidaysService.days"/> :
</span>
<span class="value"><html:text property="days" size="10" maxlength="3"
styleId="m"/></span>
<span class="error"><html:errors property="days"/></span></div>
<div class="row"><p class="rule">(<fmt:message
key="rules.days.format"/><span id="onlyprint">.)</span><span
id="noprint"> <strong><c:out
value="{sessionScope.loginName}"/></strong>.)</span>
</p></div>

<div class="row" id="noprint"><span
class="button"><html:submit><fmt:message
key="buttons.accept"/></html:submit></></span></div>

</fieldset>

</html:form>

```

### **FindHolidaysServiceResult.jsp**

```

<%-- Struts and JSTL tag libraries. --%>

<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<table>

<caption>
<c:choose><c:when test="{!(empty requestScope.all.period)}">
<fmt:message key="holidaysService.period"/> "<c:out
value="{requestScope.all.period}"/>"</c:when><c:otherwise>
<fmt:message key="userProfile.loginName"/> "<c:out
value="{sessionScope.loginName}"/>"</c:otherwise></c:choose></caption>
>

<tr><th style="border-left : none"><fmt:message
key="userProfile.loginName"/></th>
<th><fmt:message key="holidaysService.period"/></th>
<th style="border-right : none"><fmt:message
key="holidaysService.days"/></th></tr>

```

---

---

```

<c:choose> <c:when test="\${empty requestScope.holidaysServices}">
<tr><td colspan="5" style="padding : 2em 0em"><fmt:message
key="find.result.empty"/>.</td></tr>
</c:when>

<c:otherwise>

<c:set var="color" value="0"/>

<c:forEach var="holidaysService"
items="\${requestScope.holidaysServices}">

<fmt:formatDate pattern="yyyy" value="\${holidaysService.period.time}"
var="period"/>

<c:set var="color" value="\${!color}"/>
<tr id="\${color}"><td>
<c:url var="userdetailsURL" value="Auth/Adm/GoToLoginAsUser.do">
<c:param name="loginName"
value="\${holidaysService.loginName}"/></c:url>
<c:if test="\${!(empty sessionScope.administratorName)}">
<a href="\<c:out
value='\${pageContext.request.contextPath}/\${userdetailsURL}'/>"></c:if
>
<c:out value="\${holidaysService.loginName}"/><c:if
test="\${sessionScope.administratorName}"></a></c:if></td>
<td><c:out value="\${period}"/></td>
<td><c:out value="\${holidaysService.days}"/></td>

<c:if test="\${(!(empty sessionScope.administratorName)) &&
(sessionScope.loginName == holidaysService.loginName) }">
<td style="font-size : smaller;" id="noprint"><c:url var="editURL"
value="Auth/Adm/GoToUpdateHolidaysService.do">
<c:param name="period" value="\${period}"/></c:url>
<a href="\<c:out
value='\${pageContext.request.contextPath}/\${editURL}'/>"><fmt:message
key="link.edit"/></a>
</td></c:if>

</tr>
</c:forEach>

</c:otherwise> </c:choose>

</table>

<div class="findpage"><span class="left"><c:if test="\${!empty
requestScope.previous}">
<--<html:link href="\${pageContext.request.contextPath}\${action}"
name="previous">
<fmt:message key="links.previous"/></html:link></c:if></span>
<span class="right"> <c:if test="\${!empty requestScope.next}">
<html:link href="\${pageContext.request.contextPath}\${action}"
name="next">
<fmt:message key="links.next"/></html:link> --></c:if> </span></div>

```

---

**UpdateHolidaysService.jsp**

```
<%-- Struts and JSTL tag libraries. --%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>

<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="Auth/Adm/UpdateHolidaysService.do" focus="days">

<html:hidden property="period"
value="\${requestScope.holidaysServiceForm.map.period}"/>

<fieldset>

<div class="row">
<span class="label" style="width: 50%; text-align: right"><fmt:message
key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${sessionScope.loginName}"/>
</span></div>

<div class="row">
<span class="label"><fmt:message key="holidaysService.period"/> :
</span>
<span class="value" style="font-weight: bolder"><c:out
value="\${requestScope.holidaysServiceForm.map.period}"/></span>
<span class="error"><html:errors property="period"/></span></div>

<div class="row">
<span class="label"><fmt:message key="holidaysService.days"/> :
</span>
<span class="value"><html:text property="days" size="10" maxlength="3"
styleId="m"/></span>
<span class="error"><html:errors property="days"/></span></div>

<div class="row"><p class="rule">( <fmt:message
key="rules.days.format"/><span id="onlyprint">.) </span><span
id="noprint"> <strong><c:out
value="\${sessionScope.loginName}"/></strong>.) </span>
</p></div>

<div class="row" id="noprint"><span
class="button"><html:submit><fmt:message
key="buttons.accept"/></html:submit></span></div>

</fieldset>

</html:form>
```

**ChangePhone.jsp**

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="/Auth/ChangePhone.do" focus="password">

<fieldset>

<div class="row">
<span class="label" style="width: 50%; text-align: right"><fmt:message
key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${sessionScope.loginName}"/></span></div>

<div class="row"><blockquote><p class="rule"><fmt:message
key="rules.includePassword"/> : </p>
</blockquote></div>

<div class="row"><span class="label"><fmt:message
key="userProfile.password"/></span>
<span class="value"><html:password property="password" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="password"/></span></div>

<div class="row"><blockquote><p class="rule"><fmt:message
key="rules.includeNewPhone"/> : </p>
</blockquote></div>

<div class="row"><span class="label"><fmt:message
key="userProfile.phone"/> : </span>
<span class="value"><html:text property="phone" size="12"
maxlength="12" styleId="m"/></span>
<span class="error"><html:errors property="phone"/></span></div>

<div class="row"><blockquote><p class="rule"><fmt:message
key="rules.phone.info"/>.</p>
</blockquote></div>

<div class="row"><span class="button"><html:submit ><fmt:message
key="buttons.accept"/></html:submit></span></div>

</fieldset>

<c:set var="errors"
value="\${request.getAttribute("org.apache.struts.action.ERROR")}" />
<c:if test="\${!(empty errors)}"><p class="error"><fmt:message
key="error.action.changePhone"/></p></c:if>

</html:form>

```



**GivePhone.jsp**

```
<%-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="/Auth/Adm/ChangePhone.do" focus="password">

<fieldset>

<div class="row"><blockquote><p class="rule">
<fmt:message key="rules.includePassword"/> : </p></blockquote></div>

<div class="row"><span class="label" style="width: 50%; text-align:
right">
<fmt:message key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${sessionScope.administratorName}"/></span></div>

<div class="row"><span class="label"><fmt:message
key="userProfile.password"/></span>
<span class="value"><html:password property="password" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="password"/></span></div>

<div class="row"><blockquote><p class="rule"><fmt:message
key="rules.includeNewPhone"/> : </p>
</blockquote></div>

<div class="row"><span class="label" style="width: 50%; text-align:
right">
<fmt:message key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${sessionScope.loginName}"/></span>
</div>

<div class="row"><span class="label"><fmt:message
key="userProfile.phone"/></span>
<span class="value"><html:text property="phone" size="16"
maxlength="9" styleId="m"/></span>
<span class="error"><html:errors property="phone"/></span></div>

<div class="row"><span class="button">
<html:submit ><fmt:message
key="buttons.accept"/></html:submit></span></div>

</fieldset>

</html:form>
```

**FindHolidaysService.jsp**

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<div class="row">
<span><fmt:message key="find.holidaysService.user"/> : </span> <span
id="m" style="font-size : larger">
<html:link
href="{pageContext.request.contextPath}/Auth/FindUserHolidaysService.
do?startIndex=1&count=5">
<strong><em><c:out
value="{sessionScope.loginName}"/></em></strong></html:link></span></
div>

<table>

<caption style="text-align : center"><fmt:message
key="find.holidaysService.period"/> : </caption>

<c:choose> <c:when test="{empty requestScope.periods}">
<tr><td colspan="5" style="padding : 2em 0em"><fmt:message
key="find.result.empty"/>.</td></tr>
</c:when>

<c:otherwise>

<c:forEach var="period" items="{requestScope.periods}">

<fmt:formatDate pattern="yyyy" value="{period.time}"
var="formattedPeriod"/>

<tr><td align="center">
<c:url var="findPeriodURL"
value="Auth/Adm/FindPeriodHolidaysService.do">
<c:param name="period" value="{formattedPeriod}"/><c:param
name="startIndex" value="1"/>
<c:param name="count" value="5"/></c:url>
<a href="{c:out
value='{pageContext.request.contextPath}/{findPeriodURL}'}/>">
<c:out value="{formattedPeriod}"/></a></td></tr>

</c:forEach>

</c:otherwise> </c:choose>

</table>

<div class="findpage"><span class="left"><c:if test="{!empty
requestScope.previous}">
<--<html:link href="{pageContext.request.contextPath}{action}"
name="previous">

```

```
<fmt:message key="links.previous" /></html:link></c:if></span>
<span class="right"> <c:if test="{!empty requestScope.next}">
<html:link href="{pageContext.request.contextPath}{action}"
name="next">
<fmt:message key="links.next" /></html:link> --></c:if> </span></div>
```

### **RegisterHolidaysRequest.jsp**

```
<!-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="/Auth/RegisterHolidaysRequest.do"
focus="startDate">

<html:hidden property="confirm" value="1"/>

<fieldset>

<div class="row" id="onlyprint"><span class="label"><fmt:message
key="userProfile.loginName" /> : </span>
<span class="value"><input style="text" maxlength="9" size="12"
id="m" /></span></div>

<div class="row" id="noprint">
<span class="label" style="width: 50%; text-align: right"><fmt:message
key="userProfile.loginName" /> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="{sessionScope.loginName}" />
</span></div>

<jsp:include page="HolidaysRequest.jsp" />

<jsp:include page="HolidaysRequestReason.jsp" />

<div class="row"><p class="title"></p></div>

<div class="row" id="noprint"><span
class="button"><html:submit><fmt:message
key="buttons.accept" /></html:submit></span></div>

</fieldset>

</html:form>
```

### **HolidaysRequest.jsp**

---

```
<!-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>

<div class="row">
<p class="title"><fmt:message
key="holidaysrequest.days.title"/></p></div>

<div class="row">
<span class="label" style="width : 60%">
<fmt:message key="holidaysRequest.startDate"/> (<fmt:message
key="holidaysRequest.dateFormat"/>) : </span>
<span class="value"><html:text property="startDate" size="16"
maxlength="10"/></span>
<span class="error"><html:errors property="startDate"/></span></div>
<div class="row">
<span class="label" style="width : 60%">
<fmt:message key="holidaysRequest.finalDate"/> (<fmt:message
key="holidaysRequest.dateFormat"/>) : </span>
<span class="value"><html:text property="finalDate" size="16"
maxlength="10"/></span>
<span class="error"><html:errors property="finalDate"/></span></div>

<div class="row"><blockquote><p class="rule">(<fmt:message
key="rules.holidaysRequest.dates"/>.)</p>
</blockquote></div>

<div class="row"><p class="title"><fmt:message
key="holidaysRequest.details"/></p></div>

<div class="row" style="text-align : center">
<html:textarea property="details" rows="7" cols="70" style="overflow:
hidden" styleId="m"/><br>
<span class="error"><html:errors property="details"/></span></div>
```

### **ConfirmRegisterHolidaysRequest.jsp**

```
<!-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="/Auth/ConfirmRegisterHolidaysRequest.do">

<fmt:formatDate pattern="dd-MM-yyyy"
value="{ holidaysRequest.startDate.time}" var="formattedStartDate"/>
<fmt:formatDate pattern="dd-MM-yyyy"
value="{ holidaysRequest.finalDate.time}" var="formattedFinalDate"/>

<html:hidden property="confirm" value="0"/>
```

---

---

```

<html:hidden property="startDate" value="{formattedStartDate}"/>
<html:hidden property="finalDate" value="{formattedFinalDate}"/>
<html:hidden property="details" value="{holidaysRequest.details}"/>

<fieldset>

<div class="row"><blockquote><p class="rule">
(<fmt:message key="rules.confirmHolidaysRequest"/>.)</p></blockquote>

<div class="row">
<span class="label" style="width: 50%; text-align: right">
<fmt:message key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="{sessionScope.loginName}"/>
</span></div>

<jsp:include page="PreviewHolidaysRequest.jsp"/>

<jsp:include page="HolidaysRequestReason.jsp"/>

<div class="row">
<p class="title"></p></div>

<div class="row"><span class="button" style="padding-right:
2em"><html:submit><fmt:message
key="buttons.accept"/></html:submit></span>
<span class="button" style="padding-left:
2em"><html:cancel><fmt:message
key="buttons.cancel"/></html:cancel></span></div>

</fieldset>

</html:form>

```

### **PreviewHolidaysRequest.jsp**

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<fmt:formatDate pattern="dd-MM-yyyy"
value="{holidaysRequest.startDate.time}" var="formattedStartDate"/>
<fmt:formatDate pattern="dd-MM-yyyy"
value="{holidaysRequest.finalDate.time}" var="formattedFinalDate"/>

<div class="row">
<p class="title"><fmt:message
key="holidaysrequest.days.title"/></p></div>

```

---

---

```

<div class="row"><span class="label" style="width : 60%">
<fmt:message key="holidaysRequest.startDate"/> : </span>
<span class="value"><c:out value="\${formattedStartDate}"/></span>
<span class="error"><html:errors property="startDate"/></span></div>

<div class="row">
<span class="label" style="width : 60%">
<fmt:message key="holidaysRequest.finalDate"/> : </span>
<span class="value"><c:out value="\${formattedFinalDate}"/></span>
<span class="error"><html:errors property="finalDate"/></span></div>

<div class="row">
<span class="label" style="width : 60%">
<fmt:message key="holidaysRequest.workingDays"/> : </span>
<span class="value"><c:out
value="\${holidaysRequest.workingDays}"/></span></div>

<div class="row"><p class="title"><fmt:message
key="holidaysRequest.details"/></p></div>

<div class="row"><span class="value" style="padding-left:7em">
<c:out value="\${holidaysRequest.details}"/></span>
<span class="error"><html:errors property="details"/></span></div>

```

### ViewHolidaysRequest.jsp

```

<!-- Struts and JSTL tag libraries. -->
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<fmt:formatDate pattern="yyyy" value="\${holidaysRequest.period.time}"
var="formattedPeriod"/>
<fmt:formatDate pattern="dd-MM-yyyy"
value="\${holidaysRequest.stateDate.time}" var="formattedStateDate"/>

<div class="row"><span class="label" style="width: 50%; text-align:
right">
<fmt:message key="userProfile.loginName"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${sessionScope.loginName}"/></span></div>

<div class="row"><span class="label" style="width: 50%; text-align:
right">
<fmt:message key="holidaysRequest.autoId"/> : </span>
<span class="value" style="text-align: left; font-weight: bolder;
font-size: larger">
<c:out value="\${holidaysRequest.autoId}"/></span></div>

<div class="row"><p class="title"><fmt:message
key="holidaysRequest.stateDetails"/></p></div>

```

---

---

```

<div class="row"><span class="label" style="width : 60%">
<fmt:message key="holidaysRequest.period"/> : </span>
<span class="value"><c:out value="\${formattedPeriod}"/></span></div>

<div class="row">
<span class="label" style="width : 60%"><fmt:message
key="holidaysRequest.state"/> : </span>
<span class="value"><c:out
value="\${holidaysRequest.state}"/></span></div>

<div class="row"><span class="label" style="width : 60%">
<fmt:message key="holidaysRequest.stateDate"/> : </span>
<span class="value"><c:out value="\${formattedStateDate}"/>
</span></div>

<jsp:include page="PreviewHolidaysRequest.jsp"/>

<div class="row"><p class="title">Motivo del permiso</p></div>

<div class="row"><span class="value" style="padding-left:7em">Días de
vacaciones</span></div>

```

### **FindHolidaysRequest.jsp**

```

<!-- Struts and JSTL tag libraries. -->
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html" %>

<%@ taglib uri="http://struts.apache.org/tags-tiles" prefix="tiles" %>

<tiles:useAttribute name="action"/><br>

<c:if test="\${!(empty sessionScope.repeatFindHolidaysRequest)}">
<html:link
href="\${pageContext.request.contextPath}/\${action}?startIndex=1&count=
5" name="repeatFindHolidaysRequest">
<fmt:message key="find.repeat"/></html:link></c:if>

<html:form action="\${action}">

<html:hidden property="startIndex" value="1"/>
<html:hidden property="count" value="5"/>

<fieldset>

<div class="column" style="clear:left;float:left">
<span class="label" style="width:100%; text-align : left; font-style
: normal"><fmt:message key="find.result.propertyByName"/></span>
<span class="value" style="width:90%"><html:select
property="propertyByName">

```

---

---

```

<html:option value="autoId"><fmt:message
key="holidaysRequest.autoId"/></html:option>
<html:option value="loginName"><fmt:message
key="userProfile.loginName"/></html:option>
<html:option value="state"><fmt:message
key="holidaysRequest.state"/></html:option>
<html:option value="stateDate"><fmt:message
key="holidaysRequest.stateDate"/></html:option>
<html:option value="startDate"><fmt:message
key="holidaysRequest.startDate"/></html:option>
<html:option value="finalDate"><fmt:message
key="holidaysRequest.finalDate"/></html:option></html:select></span>
<span class="error"><html:errors property="propertyByName"/></span>
<p class="rule"><span style="font-size:larger; font-
style:normal"><html:checkbox property="isDesc"><fmt:message
key="find.isDesc"/></html:checkbox></span>
<fmt:message key="find.rules.desc"/>.</p><br><span
class="error"><html:errors property="isDesc"/></span></div>

<div class="column" style="clear:right;float:right">
<p class="rule"><fmt:message key="find.rules.prefered"/>
<strong><fmt:message key="find.rules.actionAdvance"/></strong> : </p>
<c:if test="\${!(empty sessionScope.administratorName)}"><span
style="font-size:smaller">
<html:checkbox property="isUserLoaded" style="padding-right:2em">
<fmt:message key="find.isUserLoaded"/> <em><strong><c:out
value="\${sessionScope.loginName}"/></em></strong></html:checkbox></spa
n><br>
<span class="error"><html:errors
property="isUserLoaded"/></span><br></c:if>
<span class="label" style="font-size:smaller; font-style:normal;
width:50%"><fmt:message key="holidaysRequest.autoId"/> </span><span
class="value"><html:text property="autoId" styleClass="m"
size="7"/></span><span class="error"><html:errors
property="autoId"/></span><br>
<span class="label" style="font-size:smaller; font-style:normal;
width:50%"><fmt:message key="holidaysRequest.period"/> </span><span
class="value"><html:text property="period" size="9"/></span><span
class="error"><html:errors property="period"/></span>
<span class="label" style="font-size:smaller; font-style:normal;
width:50%"><fmt:message key="find.since"/> (<fmt:message
key="holidaysRequest.dateFormat"/>) </span><span
class="value"><html:text property="sinceDate" size="9"/></span><span
class="error"><html:errors property="sinceDate"/></span>
<span class="label" style="font-size:smaller; font-style:normal;
width:50%"><fmt:message key="holidaysRequest.state"/> </span><span
class="value"><html:select property="state">
<html:option value="4"><fmt:message
key="find.state.all"/></html:option>
<html:option value="0"><fmt:message
key="find.state.notTramitted"/></html:option>
<html:option value="1"><fmt:message
key="find.state.accepted"/></html:option>
<html:option value="2"><fmt:message
key="find.state.rejected"/></html:option>

```

---



```

<html:option value="3"><fmt:message
key="find.state.cancelled"/></html:option></html:select></span>
<span class="error"><html:errors property="state"/></span></div>

<div class="column" style="clear:left;float:left"><span
class="button"><html:submit ><fmt:message
key="buttons.accept"/></html:submit></span></div>

</html:form>

```

### **FindHolidaysRequestResult.jsp**

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<table>

<caption>
<c:if test="\${(empty requestScope.all.isUserLoaded) ||
(requestScope.all.isUserLoaded)}">
<fmt:message key="userProfile.loginName"/> "<c:out
value="\${sessionScope.loginName}"/>"<br></c:if>
<c:if test="\${!(empty requestScope.all.autoId)}"><fmt:message
key="holidaysRequest.autoId"/> "<c:out
value="\${requestScope.all.autoId}"/>"<br></c:if>
<c:if test="\${!(empty requestScope.all.period)}"><fmt:message
key="holidaysRequest.period"/> "<c:out
value="\${requestScope.all.period}"/>"<br></c:if>
<c:if test="\${!(empty requestScope.all.sinceDate)}"><fmt:message
key="holidaysRequest.sinceDate"/> "<c:out
value="\${requestScope.all.autoId}"/>"<br></c:if>
<fmt:message key="find.result.propertyByName"/> "<c:out
value="\${requestScope.all.propertyByName}"/>"<br>
<fmt:message key="find.result.isDesc"/> "<c:out
value="\${requestScope.all.isDesc}"/>"<br></caption>

<p style="font-size: smaller"><fmt:message
key="find.state.leyend"/></p>

<tr><th style="border-left : none"><fmt:message
key="userProfile.loginName"/></th>
<th><fmt:message key="holidaysService.days"/></th>
<th><fmt:message key="holidaysProfile.daysLeft"/></th>
<th><fmt:message key="holidaysRequest.autoId"/></th>
<th><fmt:message key="holidaysRequest.state"/></th>
<th><fmt:message key="holidaysRequest.stateDate"/></th>
<th style="width:10%"><fmt:message
key="holidaysRequest.startDate"/></th>
<th style="width:10%"><fmt:message
key="holidaysRequest.finalDate"/></th>

```

---

```

<th><fmt:message key="holidaysRequest.workingDays"/></th>
<th style="border-right : none"><fmt:message
key="holidaysRequest.details"/></th></tr>

<c:choose> <c:when test="{empty requestScope.holidayss}">
<tr><td colspan="9" style="padding : 2em 0em"><fmt:message
key="find.result.empty"/>.</td></tr></table></c:when>

<c:otherwise>
<c:set var="color" value="0"/>
<c:set var="forUpdate" value="0"/>

<html:form action="/Auth/Adm/MapUpdatesHolidaysRequest.do">

<c:forEach var="holidays" items="{requestScope.holidayss}">

<fmt:formatDate pattern="dd-MM-yyyy"
value="{holidays.holidaysRequestVO.stateDate.time}"
var="formattedStateDate"/>
<fmt:formatDate pattern="dd-MM-yyyy"
value="{holidays.holidaysRequestVO.startDate.time}"
var="formattedStartDate"/>
<fmt:formatDate pattern="dd-MM-yyyy"
value="{holidays.holidaysRequestVO.finalDate.time}"
var="formattedFinalDate"/>

<c:set var="color" value="{!color}"/>
<tr id="{color}" style="font-size:smaller"><td>
<c:url var="userdetailsURL" value="Auth/Adm/GoToLoginAsUser.do">
<c:param name="loginName"
value="{holidays.holidaysRequestVO.loginName}"/></c:url>
<c:if test="{!(empty sessionScope.administratorName)}">
<a href="{c:out
value='{pageContext.request.contextPath}/{userdetailsURL}'}/>"></c:if
>
<c:out value="{holidays.holidaysRequestVO.loginName}"/><c:if
test="{sessionScope.administratorName}"></a></c:if></td>
<td><c:out
value="{holidays.holidaysProfileVO.allDaysOfHolidays}"/></td>
<td><c:out value="{holidays.holidaysProfileVO.holidaysLeft}"/></td>
<c:choose><c:when test="{!(empty sessionScope.administratorName)}">
<td><c:url var="holidaysRequestDetailsURL"
value="Auth/Adm/PrintViewHolidaysRequest.do">
<c:param name="autoId"
value="{holidays.holidaysRequestVO.autoId}"/></c:url>
<a href="{c:out
value='{pageContext.request.contextPath}/{holidaysRequestDetailsURL}'}/>" target="_blank">
<c:out
value="{holidays.holidaysRequestVO.autoId}"/></a></td></c:when><c:oth
erwise>
<td><c:url var="holidaysRequestDetailsURL"
value="Auth/PrintViewHolidaysRequest.do">
<c:param name="autoId"
value="{holidays.holidaysRequestVO.autoId}"/></c:url>

```

---

---

```

<a href="<c:out
value='${pageContext.request.contextPath}/${holidaysRequestDetailsURL}
'/" target="_blank">
<c:out
value="${holidays.holidaysRequestVO.autoId}"/></a></td></c:otherwise><
/c:choose>
<td><c:out value="${holidays.holidaysRequestVO.state}"/></td>
<td><c:out value="${formattedStateDate}"/></td>
<td><c:out value="${formattedStartDate}"/></td>
<td><c:out value="${formattedFinalDate}"/></td>
<td><c:out value="${holidays.holidaysRequestVO.workingDays}"/></td>
<td><c:out value="${holidays.holidaysRequestVO.details}"/></td>

<c:if test='${!(empty sessionScope.administratorName) &&
(holidays.holidaysRequestVO.state == "0")}'> <c:set var="forUpdate"
value="1"/>
<td style="font-size: x-small; color:blue" id="noprint"><html:radio
property="doUpdate(${holidays.holidaysRequestVO.autoId})" value="1"/>
<fmt:message key="buttons.accept"/></td>
<td style="font-size: x-small;color:red" id="noprint"><html:radio
property="doUpdate(${holidays.holidaysRequestVO.autoId})" value="2"/>
<fmt:message key="buttons.reject"/></td></c:if>

<c:if test='${holidays.holidaysRequestVO.loginName eq
sessionScope.loginName && (holidays.holidaysRequestVO.state == "0")}'>
<td style="font-size: x-small; padding-left:1em" id="noprint"><a
style="color:green"
href="${pageContext.request.contextPath}/Auth/CancelHolidaysRequest.do
?autoId=${holidays.holidaysRequestVO.autoId}">
<fmt:message key="buttons.cancel"/></a></c:if></td>

</tr></c:forEach>
</table>

<c:if test="${forUpdate == 1}"><div class="row" id="noprint"
style="padding:1em 1em">
<span class="button" style="padding:1em 1em;
float:right"><html:submit><fmt:message
key="buttons.update.state"/></html:submit></span>
<span class="button" style="padding:1em 1em;
float:right"><html:reset><fmt:message
key="buttons.reset"/></html:reset></span></div></c:if>

</html:form>

<div class="findpage" style="clear:both"><span class="left"><c:if
test='${!empty requestScope.previous}'>
<--<html:link href="${pageContext.request.contextPath}${action}"
name="previous">
<fmt:message key="links.previous"/></html:link></c:if></span>
<span class="right"> <c:if test='${!empty requestScope.next}'>
<html:link href="${pageContext.request.contextPath}${action}"
name="next">
<fmt:message key="links.next"/></html:link> --></c:if> </span></div>

```

---

---

```
</c:otherwise> </c:choose>
```

### ViewHolidaysProfile.jsp

```
<%-- Struts and JSTL tag libraries. --%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<table>

<caption>
<c:choose><c:when test="${!(empty requestScope.all.period)}">
<fmt:message key="holidaysService.period"/> "<c:out
value="${requestScope.all.period}"/>"</c:when><c:otherwise>
<fmt:message key="userProfile.loginName"/> "<c:out
value="${sessionScope.loginName}"/>"</c:otherwise></c:choose></caption
>

<tr><th style="border-left : none"><fmt:message
key="userProfile.loginName"/></th>
<th><fmt:message key="holidaysService.period"/></th>
<th><fmt:message key="holidaysService.days"/></th>
<th style="border-right : none"><fmt:message
key="holidaysProfile.daysLeft"/></th></tr>

<c:choose> <c:when test="${empty requestScope.holidaysProfiles}">
<tr><td colspan="5" style="padding : 2em 0em"><fmt:message
key="find.result.empty"/>.</td></tr>
</c:when>

<c:otherwise>
<c:set var="color" value="0"/>

<c:forEach var="holidaysProfile"
items="${requestScope.holidaysProfiles}">

<fmt:formatDate pattern="yyyy" value="${holidaysProfile.period.time}"
var="formattedPeriod"/>

<c:set var="color" value="${!color}"/>
<tr id="${color}"><td><c:url var="userdetailsURL"
value="Auth/Adm/GoToLoginAsUser.do">
<c:param name="loginName" value="${user.loginName}"/></c:url>
<c:if test="${!(empty sessionScope.administratorName)}">
<a href="<c:out
value='${pageContext.request.contextPath}/${userdetailsURL}'/>"></c:if
>
<c:out value="${holidaysProfile.loginName}"/><c:if
test="${sessionScope.administratorName}"></a></c:if></td>
<td><c:out value="${formattedPeriod}"/></td>
<td><c:out value="${holidaysProfile.allDaysOfHolidays}"/></td>
<td><c:out value="${holidaysProfile.holidaysLeft}"/></td></tr>
```

---

---

```

</c:forEach>
</c:otherwise> </c:choose>

</table>

<div class="findpage"><span class="left"><c:if test="${!empty
requestScope.previous}">
<--<html:link href="${pageContext.request.contextPath}${action}"
name="previous">
<fmt:message key="links.previous"/></html:link></c:if></span>
<span class="right"> <c:if test="${!empty requestScope.next}">
<html:link href="${pageContext.request.contextPath}${action}"
name="next">
<fmt:message key="links.next"/></html:link> --></c:if> </span></div>

```

### **FindHolidaysProfile.jsp**

```

<%-- Struts and JSTL tag libraries. --%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>

<div class="row">
<span><fmt:message key="find.holidaysProfile.user"/> : </span> <span
id="m" style="font-size : larger">
<html:link
href="${pageContext.request.contextPath}/Auth/FindHolidaysProfile.do?s
tartIndex=1&count=5">
<strong><em><c:out
value="${sessionScope.loginName}"/></em></strong></html:link></span></
div>

<table>

<caption style="text-align : center"><fmt:message
key="find.holidaysProfile.period"/> : </caption>

<c:choose> <c:when test="${empty requestScope.periods}">
<tr><td colspan="5" style="padding : 2em 0em"><fmt:message
key="find.result.empty"/>.</td></tr>
</c:when>

<c:otherwise><c:forEach var="period" items="${requestScope.periods}">

<fmt:formatDate pattern="yyyy" value="${period.time}"
var="formattedPeriod"/>

<tr><td align="center"><c:url var="findPeriodURL"
value="Auth/Adm/FindHolidaysProfileByPeriod.do">
<c:param name="period" value="${formattedPeriod}"/><c:param
name="startIndex" value="1"/>
<c:param name="count" value="5"/></c:url>

```

---

```

<a href="<c:out
value='${pageContext.request.contextPath}/${findPeriodURL}' />">
<c:out value="${formattedPeriod}" /></a></td></tr>
</c:forEach></c:otherwise> </c:choose>

</table>

<div class="findpage"><span class="left"><c:if test="${!empty
requestScope.previous}">
<--<html:link href="${pageContext.request.contextPath}${action}"
name="previous">
<fmt:message key="links.previous" /></html:link></c:if></span>
<span class="right"> <c:if test="${!empty requestScope.next}">
<html:link href="${pageContext.request.contextPath}${action}"
name="next">
<fmt:message key="links.next" /></html:link> -->
</c:if> </span></div>

```

### MainUserProfilePage.jsp

```

<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<blockquote>

    <p><strong>BIENVENIDO AL SERVICIO DE PERFIL DE
USUARIO</strong></p><br>
    <p>Usted ha accedido el servicio de perfil de usuario de
<strong>:: MyApplication ::</strong>. Este servicio proporciona al <a
href="${pageContext.request.contextPath}/Logout.do">autenticarse</a>,
las operaciones básicas sobre los perfiles de usuarios con acceso al
sistema.</p>
    <p>Cada usuario dado de alta en el sistema puede <a
href="${pageContext.request.contextPath}/Auth/ViewUserProfile.do">visu
alizer</a> y <a
href="${pageContext.request.contextPath}/Auth/GoToUpdateUserProfile.do
">realizar modificaciones sobre detalles de su perfil</a>,
    <a
href="${pageContext.request.contextPath}/Auth/GoToChangePassword.do">c
ambio de contraseña</a> y <a
href="${pageContext.request.contextPath}/Auth/GoToChangePhone.do">camb
io de teléfono de contacto</a>.
    Este teléfono podrá recibir mensajes de confirmación de algunas de
las operaciones realizadas en el sistema, así que es importante que el
usuario mantenga actualizado este dato.</p>
    <p>Junto a las operaciones sobre el propio perfil un usuario podrá
realizar <a
href="${pageContext.request.contextPath}/Auth/GoToFindUser.do">búsqued
as y consultas</a> sobre el resto de usuario registrados en el
sistema.</p>
    <p>Este servicio además, ofrece a un usuario administrador la
posibilidad de <c:if test="${!(empty
sessionScope.administratorName)}"><a
href="${pageContext.request.contextPath}/Auth/Adm/GoToRegisterUser.do"

```

```

></c:if>registrar a un nuevo usuario<c:if test="\${!(empty
sessionScope.administratorName)}"></a></c:if>
    en el sistema e <c:if test="\${!(empty
sessionScope.administratorName)}"><a
href="\${pageContext.request.contextPath}/Auth/Adm/GoToLoginAsUser.do">
</c:if>identificarse como otro usuario<c:if test="\${!(empty
sessionScope.administratorName)}"></a></c:if> para realizar
operaciones sobre los perfiles de éste.
    Un usuario administrador podrá realizar modificaciones en los
<c:if test="\${!(empty sessionScope.administratorName)}"><a
href="\${pageContext.request.contextPath}/Auth/Adm/GoToUpdateUserProfil
e.do"></c:if>permisos de acceso<c:if test="\${!(empty
sessionScope.administratorName)}"></a></c:if>
    y otros datos en el perfil del usuario cargado en sesión.</p>
    <p>Así mismo, podrá <c:if test="\${!(empty
sessionScope.administratorName)}"><a
href="\${pageContext.request.contextPath}/Auth/GoToChangePassword.do"><
/c:if>dar o cambiar una contraseña<c:if test="\${!(empty
sessionScope.administratorName)}"></a></c:if>
    y <c:if test="\${!(empty sessionScope.administratorName)}"><a
href="\${pageContext.request.contextPath}/Auth/GoToChangePhone.do"></c:
if>proporcionar o cambiar el teléfono de contacto<c:if test="\${!(empty
sessionScope.administratorName)}"></a></c:if> de otros usuarios en
caso necesario.</p>
    <p>Igualmente podrá realizar <c:if test="\${!(empty
sessionScope.administratorName)}"><a
href="\${pageContext.request.contextPath}/Auth/GoToFindUser.do"></c:if>
búsquedas y consultas<c:if test="\${!(empty
sessionScope.administratorName)}"></a></c:if> sobre estos
perfiles.</p>
</blockquote>

```

### MainHolidaysServicePage.jsp

```

<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>
<blockquote>
    <p><strong>BIENVENIDO AL SERVICIO DE SOLICITUD DE VACACIONES Y
PERMISOS</strong></p><br>
    <p>Usted ha accedido el servicio de solicitud de vacaciones y
permiso de <strong>:: MyApplication ::</strong>. Este servicio
proporciona las operaciones básicas para la
    <a
href="\${pageContext.request.contextPath}/Auth/GoToRegisterHolidaysRequ
est.do">solicitud de vacaciones</a> y
    <a
href="\${pageContext.request.contextPath}/Auth/GoToFindHolidaysRequest.
do">consultas</a> sobre el estado de éstas.</p>
    <p>Si no está dado de alta en este servicio consulte a su
administrador. Sólo los usuarios con permiso de administrador podrán

```

```

    <c:if test="\${!(empty sessionScope.administratorName)}"><a
href="\${pageContext.request.contextPath}/Auth/Adm/GoToRegisterHolidays
Service.do"></c:if>
    dar de alta<c:if test="\${!(empty
sessionScope.administratorName)}"></a></c:if> a nuevos usuarios en el
servicio y <c:if test="\${!(empty sessionScope.administratorName)}">
    <a
href="\${pageContext.request.contextPath}/Auth/GoToFindHolidaysRequest.
do"></c:if>tramitar<c:if test="\${!(empty
sessionScope.administratorName)}"></a></c:if> las
    peticiones de cada uno de los usuarios.</p>
    <p>Además, este servicio ofrece al usuario la posibilidad de <a
href="\${pageContext.request.contextPath}/Auth/FindHolidaysProfile.do?c
ount=5">consultar sus perfiles vacaciones</a> y al usuario
    administrador realizar <c:if test="\${!(empty
sessionScope.administratorName)}"><a
href="\${pageContext.request.contextPath}/Auth/Adm/GoToFindHolidaysProf
ile.do"></c:if>búsquedas según
    usuario o período<c:if test="\${!(empty
sessionScope.administratorName)}"></a></c:if>.</p>
    <p>Nos centraremos sólo en el servicio de solicitud de vacaciones.
El servicio de petición de días de permisos no está implementado
aunque sería una ampliación
    del servicio actual.</p>
</blockquote>

```

### **MainUtilitiesPage.jsp**

```

<blockquote>
    <p><strong>BIENVENIDO A UTILIDADES</strong></p><br>
    <p>Usted ha accedido el servicio de utilidades que ofrece
<strong>:: MyApplication ::</strong>.
    <p>En esta sección encontrará formularios y tutoriales útiles en
versión imprimible.</p>
    <p>Actualmente se encuentran disponibles los formularios de <a
href="\${pageContext.request.contextPath}/Auth/PrintRegisterUserForm.do
">registro de usuarios</a>,
    <a
href="\${pageContext.request.contextPath}/Auth/PrintRegisterHolidaysSer
viceForm.do">registro de servicio de vacaciones</a> y <a
href="\${pageContext.request.contextPath}/Auth/PrintRegisterHolidaysReq
uestForm.do">
    formulario de solicitud de vacaciones</a>.</p>
</blockquote>

```

### **HolidaysRequestReason.jsp**



---

```
<div class="row"><p class="title">Motivo del permiso</p></div>

<div style="padding-left:7em; width:100%">

<table width="100%" align="center" cellspacing="12">

<tr><td align="right" width="30%">Vacaciones anuales:</td>
<td align="center" width="15%"><input type="radio"
name="holidaysRequest" var="Vacaciones Anuales" checked/></td>
<td align="right" width="30%">Dia concedido por la empresa:</td>
<td align="center" width="15%"> - </td>

<tr><td align="right" width="30%">Matrimonio:</td>
<td align="center" width="15%"> - </td>
<td align="right" width="30%">Fallecimiento primer grado:</td>
<td align="center" width="15%"> - </td></tr>

<tr><td align="right" width="30%">Nacimiento de hijo : </td>
<td align="center" width="15%"> - </td>
<td align="right" width="30%"> Enfermedad grave familiar: </td>
<td align="center" width="15%"> - </td></tr>

<tr><td align="right" width="30%">Otros : </td>
<td align="center" width="15%"> - </td>
<td align="right" width="30%">&nbsp;</td>
<td align="center" width="15%">&nbsp;</td></tr>

</table>
</div>
```

---

### 10.5.7 *Ficheros de configuración*

A continuación se incluyen los ficheros necesarios para la configuración de nuestra aplicación.

#### 10.5.7.1 *Configuración de contexto, fuentes de datos y pool de conexiones*

##### **META-INF/context.xml**

```
<?xml version="1.0" encoding="UTF-8"?>

<Context path="/Apps">

<Logger className="org.apache.catalina.logger.FileLogger"
prefix="Apps." suffix=".log" timestamp="true"/>

<!-- <Resource auth="Container" name="jdbc/ApplicationDataSource"
type="javax.sql.DataSource"/> -->

<!-- JNDI Datasource configuration. -->

<!-- JNDI name. -->
<ResourceParams name="jdbc/ApplicationDataSource">

<!-- JDBC connection url for connecting MySQL dB. -->
<parameter>
<name>url</name>
<value>jdbc:mysql://localhost:3306/apps</value>
</parameter>

<!-- Class name for JDBC driver. -->
<parameter>
<name>driverClassName</name>
<value>com.mysql.jdbc.Driver</value>
</parameter>

<!-- MySQL username connections. -->
<parameter>
<name>username</name>
<value>userapps</value>
</parameter>

<!-- MySQL password for connections. -->
<parameter>
<name>password</name>
```

```
<value>userapps</value>
</parameter>

<!-- Using connection pooling. -->
<parameter>
<name>factory</name>
<value>org.apache.commons.dbcp.BasicDataSourceFactory</value>
</parameter>

<!-- Maximum number of connections in pool. 0 for no limit. -->
<parameter>
<name>maxActive</name>
<value>100</value>
</parameter>

<!-- Maximum number of idle connections in pool. 0 for no limit. -->
<parameter>
<name>maxIdle</name>
<value>30</value>
</parameter>

<!-- Maximum time to wait for a connection to become available in ms.
An Exception is thrown if this timeout is exceeded. -1 to wait
indefinitely. -->
<parameter>
<name>maxWait</name>
<value>10000</value>
</parameter>

<!-- If true, abandoned connections are removed. Else abandoned
connections are recoved. -->
<parameter>
<name>removeAbandoned</name>
<value>true</value>
</parameter>

<!-- Number of seconds a connection has been idle before it is
considered abandoned. Default: 300. -->
<parameter>
<name>removeAbandonedTimeout</name>
<value>300</value>
</parameter>

<!-- If true you want DBCP to log a stack trace of the code which
abandoned the connection resources.Default: false -->
<parameter>
<name>logAbandoned</name>
<value>true</value>
</parameter>

</ResourceParams>

</Context>
```

---

10.5.7.2 *Configuración de servlets, filtros, librerías de etiquetas y parámetros de contexto inicial.*

**WEB-INF/web.xml**

```
<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns="http://java.sun.com/xml/ns/j2ee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee
    http://java.sun.com/xml/ns/j2ee/web-app_2_4.xsd"
  version="2.4">

  <!-- Datasources -->

  <resource-ref>
    <res-ref-name>jdbc/ApplicationDataSource</res-ref-name>
    <res-type>javax.sql.DataSource</res-type>
    <res-auth>Container</res-auth>
  </resource-ref>

  <!-- Front Controller Configuration -->

  <servlet>
    <servlet-name>action</servlet-name>
    <servlet-class>
      org.apache.struts.action.ActionServlet</servlet-class>
    <init-param>
      <param-name>config</param-name>
      <param-value>/WEB-INF/Struts/struts-config.xml</param-value>
    </init-param>
  </servlet>

  <!-- Servlet Mapping -->

  <servlet-mapping>
    <servlet-name>action</servlet-name>
    <url-pattern>*.do</url-pattern>
  </servlet-mapping>

  <!-- Localization Configuration -->

  <context-param>
    <param-name>
      javax.servlet.jsp.jstl.fmt.localizationContext</param-name>
    <param-value>Messages</param-value>
  </context-param>

  <!-- Welcome Page -->

  <welcome-file-list>
    <welcome-file>index.jsp</welcome-file>
  </welcome-file-list>
```

```
<!-- Filters -->

<filter>
<filter-name>AuthenticationRequired</filter-name>
<filter-class>application.http.controller.filtering.
    AuthenticationPreProcessingFilter
</filter-class>
<init-param>
<param-name>forward</param-name>
<param-value>/AuthenticationRequired.do</param-value>
</init-param>
<init-param>
<param-name>error</param-name>
<param-value>/InternalError.do</param-value>
</init-param>
</filter>

<filter>
<filter-name>AdministratorRequired</filter-name>
<filter-class> application.http.controller.filtering.
    AdministratorPreProcessingFilter
</filter-class>
<init-param>
<param-name>forward</param-name>
<param-value>/Auth/AdministratorRequired.do</param-value>
</init-param>
<init-param>
<param-name>error</param-name>
<param-value>/InternalError.do</param-value>
</init-param>
</filter>

<!-- Filter Mapping -->

<filter-mapping>
<filter-name>AuthenticationRequired</filter-name>
<url-pattern>/Auth/*</url-pattern>
<dispatcher>FORWARD</dispatcher>
<dispatcher>REQUEST</dispatcher>
</filter-mapping>

<filter-mapping>
<filter-name>AdministratorRequired</filter-name>
<url-pattern>/Auth/Adm/*</url-pattern>
<dispatcher>FORWARD</dispatcher>
<dispatcher>REQUEST</dispatcher>
</filter-mapping>

<filter-mapping>
<filter-name>AuthenticationRequired</filter-name>
<url-pattern>/Print/Auth/*</url-pattern>
<dispatcher>FORWARD</dispatcher>
<dispatcher>REQUEST</dispatcher>
</filter-mapping>
```

---

```
<filter-mapping>
<filter-name>AdministratorRequired</filter-name>
<url-pattern>/Print/Auth/Adm/*</url-pattern>
<dispatcher>FORWARD</dispatcher>
<dispatcher>REQUEST</dispatcher>
</filter-mapping>

<!-- Standard Tag Libs Descriptor -->

<taglib>
<taglib-uri>http://java.sun.com/jstl/fmt</taglib-uri>
<taglib-location>/WEB-INF/StdTagLibs/fmt.tld
  </taglib-location>
</taglib>

<taglib>
<taglib-uri>http://java.sun.com/jstl/core</taglib-uri>
<taglib-location>/WEB-INF/StdTagLibs/c.tld</taglib-location>
</taglib>

<!-- Environmet entries -->

<env-entry>
<env-entry-name>
  UserProfileServiceFacadeFactory/facadeClassName
  </env-entry-name>
<env-entry-value>application.model.userprofileservice.facade.
  delegate.PlainUserProfileServiceFacade</env-entry-value>
<env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
<env-entry-name>
  HolidaysRequestServiceFacadeFactory/facadeClassName
  </env-entry-name>
<env-entry-value> application.model.holidaysrequestservice.
  facade.delegate.PlainHolidaysRequestServiceFacade
  </env-entry-value>
<env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
<env-entry-name>SQLUserProfileDAOFactory/daoClassName
  </env-entry-name>
<env-entry-value>application.model.userprofileservice.dao.
  StandardSQLUserProfileDAO </env-entry-value>
<env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
<env-entry-name>
  SQLHolidaysServiceDAOFactory/daoClassName</env-entry-name>
<env-entry-value>application.model.holidaysrequestservice.
  dao.holidaysservice.StandardSQLHolidaysServiceDAO
  </env-entry-value>
<env-entry-type>java.lang.String</env-entry-type>
```

---

```
    </env-entry>

    <env-entry>
    <env-entry-name>
    SQLHolidaysRequestDAOFactory/daoClassName</env-entry-name>
    <env-entry-value>application.model.holidaysrequestservice.
        dao.holidaysrequest.StandardSQLHolidaysRequestDAO
    </env-entry-value>
    <env-entry-type>java.lang.String</env-entry-type>
    </env-entry>

</web-app>
```

### 10.5.7.3 Configuración del controlador de Struts y su uso con Tiles y Validator

#### **WEB-INF/Struts/struts-config.xml**

```
<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE struts-config PUBLIC
    "-//Apache Software Foundation//DTD Struts Configuration
    1.2//EN"
    "http://struts.apache.org/dtds/struts-config_1_2.dtd">

<struts-config>

<!-- Form Bean Definitions -->

<form-beans>

    <!-- USER PROFILE FORMS -->

    <form-bean name="loginForm"
    type="org.apache.struts.validator.DynaValidatorForm">
        <form-property name="loginName" type="java.lang.String"/>
        <form-property name="password" type="java.lang.String"/>
    </form-bean>

    <form-bean name="loginAsUserForm"
    type="org.apache.struts.validator.DynaValidatorForm">
        <form-property name="password" type="java.lang.String"/>
        <form-property name="loginName" type="java.lang.String"/>
    </form-bean>

    <form-bean name="userProfileForm"
```

---

```
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="loginName" type="java.lang.String"/>
  <form-property name="password" type="java.lang.String"/>
  <form-property name="retypePassword" type="java.lang.String"/>
  <form-property name="firstName" type="java.lang.String"/>
  <form-property name="surname" type="java.lang.String"/>
  <form-property name="document" type="java.lang.String"/>
  <form-property name="email" type="java.lang.String"/>
  <form-property name="address" type="java.lang.String"/>
  <form-property name="details" type="java.lang.String"/>
  <form-property name="phone" type="java.lang.String"/>
  <form-property name="isAdministrator"
    type="java.lang.Boolean"/>
</form-bean>

<form-bean name="changePhoneForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="password" type="java.lang.String"/>
  <form-property name="phone" type="java.lang.String"/>
</form-bean>

<form-bean name="changePasswordForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="oldPassword" type="java.lang.String"/>
  <form-property name="newPassword" type="java.lang.String"/>
  <form-property name="retypeNewPassword"
    type="java.lang.String"/>
</form-bean>

<form-bean name="givePasswordForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="administratorPassword"
    type="java.lang.String"/>
  <form-property name="newPassword" type="java.lang.String"/>
  <form-property name="retypeNewPassword"
    type="java.lang.String"/>
</form-bean>

<form-bean name="findUserForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="propertyInName" type="java.lang.String"/>
  <form-property name="pattern" type="java.lang.String"/>
  <form-property name="propertyByName" type="java.lang.String"/>
  <form-property name="startIndex" type="java.lang.Integer"/>
  <form-property name="count" type="java.lang.Integer"/>
</form-bean>

<!-- HOLIDAYS REQUEST SERVICE FORMS -->

<!-- holidays service forms -->

<form-bean name="holidaysServiceForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="loginName" type="java.lang.String"/>
  <form-property name="period" type="java.lang.String"/>
```

---



---

```
<form-property name="days" type="java.lang.String"/>
</form-bean>

<form-bean name="findHolidaysServiceForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="period" type="java.lang.String"/>
  <form-property name="startIndex" type="java.lang.Integer"/>
  <form-property name="count" type="java.lang.Integer"/>
</form-bean>

<!-- holidays request forms -->

<form-bean name="holidaysRequestForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="autoId" type="java.lang.String"/>
  <form-property name="startDate" type="java.lang.String"/>
  <form-property name="finalDate" type="java.lang.String"/>
  <form-property name="details" type="java.lang.String"/>
  <form-property name="confirm" type="java.lang.Boolean"/>
</form-bean>

<form-bean name="findHolidaysRequestForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="isUserLoaded" type="java.lang.Boolean"/>
  <form-property name="autoId" type="java.lang.String"/>
  <form-property name="period" type="java.lang.String"/>
  <form-property name="sinceDate" type="java.lang.String"/>
  <form-property name="state" type="java.lang.Short"/>
  <form-property name="propertyByName" type="java.lang.String"/>
  <form-property name="isDesc" type="java.lang.Boolean"/>
  <form-property name="startIndex" type="java.lang.Integer"/>
  <form-property name="count" type="java.lang.Integer"/>
</form-bean>

<form-bean name="mapUpdatesHolidaysRequestForm"
type="org.apache.struts.validator.LazyValidatorForm">
  <form-property name="doUpdate" type="java.util.Map"/>
</form-bean>

<!-- holidays profile forms -->

<form-bean name="findHolidaysProfileForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="period" type="java.lang.String"/>
  <form-property name="loginName" type="java.lang.String"/>
  <form-property name="startIndex" type="java.lang.Integer"/>
  <form-property name="count" type="java.lang.Integer"/>
</form-bean>

</form-beans>

<!-- Global Forwards -->

<global-forwards>
```

---

```
<forward name="InternalErrorPage" path="/InternalError.do"
  redirect="true"/>

<forward name="AdministratorRequiredPage"
  path="/Auth/AdministratorRequired.do" redirect="true"/>

</global-forwards>

<!-- Action Mapping -->

<action-mappings>

  <action path="/InternalError"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".internalError"
    redirect="true"/>

  <action path="/Auth/Success"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".success"
    redirect="true"/>

  <action path="/Index"
    type="org.apache.struts.actions.ForwardAction"
    parameter="/Auth/MainPage.do"
    redirect="true"/>

  <action path="/AuthenticationRequired"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".authenticate"
    redirect="true"/>

  <action path="/Auth/AdministratorRequired"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".administratorRequired"
    redirect="true"/>

  <action path="/Auth/MainPage"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".mainPage"
    redirect="true"/>

  <!-- USER PROFILE ACTIONS -->

  <action path="/Auth/MainUserProfilePage"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".mainUserProfilePage"
    redirect="true"/>

  <!-- logout -->

  <action path="/Logout"
    type="application.http.controller.actions.userprofile.
      LogoutAction">
    <forward name="LogoutAction" path="/Auth/MainPage.do"/>
  </action>
```

---

```
<!-- login -->

<action path="/Login"
type="application.http.controller.actions.userprofile.LoginAction"
name="loginForm"
scope="request"
input=".authenticate"
validate="true">
    <forward name="LoginAction" path="/Auth/MainPage.do"
    redirect="true"/>
</action>

<action path="/Auth/Adm/GoToLoginAsUser"
type="org.apache.struts.actions.ForwardAction"
name="loginAsUserForm"
scope="request"
parameter=".loginAsUser"
validate="false"/>

<action path="/Auth/Adm/LoginAsUser"
type="application.http.controller.actions.userprofile.
    LoginAsUserAction"
name="loginAsUserForm"
scope="request"
input=".loginAsUser"
validate="true">
    <forward name="LoginAsUserAction" path="/Auth/MainPage.do"
    redirect="true"/>
</action>

<!-- register user -->

<action path="/Auth/Adm/GoToRegisterUser"
type="org.apache.struts.actions.ForwardAction"
parameter=".registerUser"
redirect="true"/>

<action path="/Auth/Adm/RegisterUser"
type="application.http.controller.actions.userprofile.
    RegisterUserAction"
name="userProfileForm"
scope="request"
input=".registerUser"
validate="true">
    <forward name="RegisterUserAction"
    path="/Auth/ViewUserProfile.do" redirect="true"/>
</action>

<!-- view profile -->

<action path="/Auth/ViewUserProfile"
type="application.http.controller.actions.userprofile.
    EditUserProfileAction"
name="userProfileForm"
scope="request"
```

```
validate="false">
    <forward name="EditUserProfileAction"
        path=".viewUserProfile"/>
</action>

<action path="/Auth/Adm/ViewUserDetails"
type="application.http.controller.actions.userprofile.
    ViewUserDetailsAction"
name="userProfileForm"
scope="request"
input="/InternalError.do"
validate="true">
    <forward name="ViewUserDetailsAction"
        path=".printViewUserProfile"/>
</action>

<!-- update -->

<action path="/Auth/GoToUpdateUserProfile"
type="application.http.controller.actions.userprofile.
    EditUserProfileAction"
name="userProfileForm"
scope="request"
validate="false">
    <forward name="EditUserProfileAction"
        path=".updateUserProfile"/>
</action>

<action path="/Auth/UpdateUserProfile"
type="application.http.controller.actions.userprofile.
    UpdateUserProfileAction"
name="userProfileForm"
scope="request"
input=".updateUserProfile"
validate="true">
    <forward name="UpdateUserProfileAction"
        path="/Auth/ViewUserProfile.do" redirect="true"/>
</action>

<action path="/Auth/Adm/GoToUpdateUserProfile"
type="application.http.controller.actions.userprofile.
    EditUserProfileAction"
name="userProfileForm"
scope="request"
validate="false">
    <forward name="EditUserProfileAction"
        path=".administratorUpdateUserProfile"/>
</action>

<action path="/Auth/Adm/UpdateUserProfile"
type="application.http.controller.actions.userprofile.
    AdministratorUpdateUserProfileAction"
name="userProfileForm"
scope="request"
input=".administratorUpdateUserProfile"
validate="true">
```

```
        <forward name="AdministratorUpdateUserProfileAction"
            path="/Auth/ViewUserProfile.do" redirect="true"/>
    </action>

    <action path="/Auth/GoToChangePhone"
        type="application.http.controller.actions.userprofile.
            EditPhoneAction"
        name="changePhoneForm"
        scope="request"
        validate="false">
        <forward name="EditPhoneAction" path=".changePhone"/>
    </action>

    <action path="/Auth/ChangePhone"
        type="application.http.controller.actions.userprofile.
            ChangePhoneAction"
        name="changePhoneForm"
        scope="request"
        input=".changePhone"
        validate="true">
        <forward name="ChangePhoneAction"
            path="/Auth/ViewUserProfile.do" redirect="true"/>
    </action>

    <action path="/Auth/Adm/GoToChangePhone"
        type="application.http.controller.actions.userprofile.
            EditPhoneAction"
        name="changePhoneForm"
        scope="request"
        validate="false">
        <forward name="EditPhoneAction" path=".givePhone"/>
    </action>

    <action path="/Auth/Adm/ChangePhone"
        type="application.http.controller.actions.userprofile.
            GivePhoneAction"
        name="changePhoneForm"
        scope="request"
        input=".givePhone"
        validate="true">
        <forward name="GivePhoneAction"
            path="/Auth/ViewUserProfile.do" redirect="true"/>
    </action>

    <action path="/Auth/GoToChangePassword"
        type="org.apache.struts.actions.ForwardAction"
        parameter=".changePassword"
        redirect="true"/>

    <action path="/Auth/ChangePassword"
        type="application.http.controller.actions.userprofile.
            ChangePasswordAction"
        name="changePasswordForm"
        scope="request"
        input=".changePassword"
        validate="true">
```

---

```
        <forward name="ChangePasswordAction" path="/Auth/Success.do"
        redirect="true"/>
    </action>

    <action path="/Auth/Adm/GoToGivePassword"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".givePassword"
    redirect="true"/>

    <action path="/Auth/Adm/GivePassword"
    type="application.http.controller.actions.userprofile.
        GivePasswordAction"
    name="givePasswordForm"
    scope="request"
    input=".givePassword"
    validate="true">
        <forward name="GivePasswordAction" path="/Auth/Success.do"
        redirect="true"/>
    </action>

    <!-- find -->

    <action path="/Auth/GoToFindUser"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".findUser"
    redirect="true"/>

    <action path="/Auth/FindUser"
    type="application.http.controller.actions.userprofile.
        FindUserAction"
    name="findUserForm"
    scope="request"
    input=".findUser"
    validate="true">
        <forward name="FindUserAction" path=".findUserResult"/>
    </action>

    <!-- printable user profile actions -->

    <action path="/Auth/PrintRegisterUserForm"
    type="org.apache.struts.actions.ForwardAction"
    name="userProfileForm"
    parameter=".printRegisterUserForm"
    redirect="true"
    validate="false"/>

    <action path="/Auth/PrintViewUserProfile"
    type="application.http.controller.actions.userprofile.
        EditUserProfileAction"
    name="userProfileForm"
    scope="request"
    validate="false">
        <forward name="EditUserProfileAction"
        path=".printViewUserProfile"/>
    </action>
```

```
<action path="/Print/Auth/FindUser"
type="application.http.controller.actions.userprofile.
    FindUserAction"
name="findUserForm"
scope="request"
input=".findUser"
validate="true">
    <forward name="FindUserAction" path=".printFindUserResult"/>
</action>

<!-- HOLIDAYS REQUEST SERVICE ACTIONS -->

<action path="/Auth/MainHolidaysServicePage"
type="org.apache.struts.actions.ForwardAction"
parameter=".mainHolidaysServicePage"
redirect="true"/>

<!-- Holidays Service -->

<!-- register service -->

<action path="/Auth/Adm/GoToRegisterHolidaysService"
type="org.apache.struts.actions.ForwardAction"
parameter=".registerHolidaysService"
redirect="true"/>

<action path="/Auth/Adm/RegisterHolidaysService"
type="application.http.controller.actions.holidayservice.
    RegisterHolidaysServiceAction"
name="holidaysServiceForm"
scope="request"
input=".registerHolidaysService"
validate="true">
    <forward name="RegisterHolidaysServiceAction"
        path="/Auth/FindUserHolidaysService.do"/>
</action>

<!-- update -->

<action path="/Auth/Adm/GoToUpdateHolidaysService"
type="application.http.controller.actions.holidayservice.
    EditHolidaysServiceAction"
name="holidaysServiceForm"
scope="request"
validate="false">
    <forward name="EditHolidaysServiceAction"
        path=".updateHolidaysService"/>
</action>

<action path="/Auth/Adm/UpdateHolidaysService"
type="application.http.controller.actions.holidayservice.
    UpdateHolidaysServiceAction"
name="holidaysServiceForm"
scope="request"
input=".updateHolidaysService"
validate="true">
```

---

---

```
<forward name="UpdateHolidaysServiceAction"
  path="/Auth/FindUserHolidaysService.do?count=5"/>
</action>

<!-- find -->

<action path="/Auth/Adm/GoToFindHolidaysService"
  type="application.http.controller.actions.holidayservice.
  FindHolidaysServicesAction"
  name="findHolidaysServiceForm"
  scope="request"
  input="/InternalError.do"
  validate="false">
  <forward name="FindHolidaysServicesAction"
    path=".findHolidaysService" redirect="true"/>
</action>

<action path="/Auth/Adm/FindPeriodHolidaysService"
  type="application.http.controller.actions.holidayservice.
  FindPeriodHolidaysServiceAction"
  name="findHolidaysServiceForm"
  scope="request"
  input="/InternalError.do"
  validate="true">
  <forward name="FindPeriodHolidaysServiceAction"
    path=".findHolidaysServiceResult"/>
</action>

<action path="/Auth/FindUserHolidaysService"
  type="application.http.controller.actions.holidayservice.
  FindUserHolidaysServiceAction"
  name="findHolidaysServiceForm"
  scope="request"
  input="/InternalError.do"
  validate="true">
  <forward name="FindUserHolidaysServiceAction"
    path=".findHolidaysServiceResult"/>
</action>

<!-- printable holidays service actions -->

<action path="/Auth/PrintRegisterHolidaysServiceForm"
  type="org.apache.struts.actions.ForwardAction"
  name="holidaysServiceForm"
  parameter=".printRegisterHolidaysServiceForm"
  validate="false"
  redirect="true"/>

<action path="/Print/Auth/FindUserHolidaysService"
  type="application.http.controller.actions.holidayservice.
  FindUserHolidaysServiceAction"
  name="findHolidaysServiceForm"
  scope="request"
  input="/InternalError.do"
  validate="true">
```

---



```
        <forward name="FindUserHolidaysServiceAction"
            path=".printFindHolidaysServiceResult"/>
    </action>

    <action path="/Print/Auth/Adm/FindPeriodHolidaysService"
        type="application.http.controller.actions.holidayservice.
            FindPeriodHolidaysServiceAction"
        name="findHolidaysServiceForm"
        scope="request"
        input="/InternalError.do"
        validate="true">
        <forward name="FindPeriodHolidaysServiceAction"
            path=".printFindHolidaysServiceResult"/>
    </action>

    <!-- Holildays Request -->

    <!-- register -->

    <action path="/Auth/GoToRegisterHolidaysRequest"
        type="org.apache.struts.actions.ForwardAction"
        parameter=".registerHolidaysRequest"
        redirect="true"/>

    <action path="/Auth/RegisterHolidaysRequest"
        type="application.http.controller.actions.holidayservice.
            RegisterHolidaysRequestAction"
        name="holidaysRequestForm"
        input=".registerHolidaysRequest"
        scope="request"
        validate="true">
        <forward name="RegisterHolidaysRequestAction"
            path=".previewRegisterHolidaysRequest"/>
    </action>

    <action path="/Auth/ConfirmRegisterHolidaysRequest"
        type="application.http.controller.actions.holidayservice.
            RegisterHolidaysRequestAction"
        name="holidaysRequestForm"
        input=".registerHolidaysRequest"
        scope="request"
        validate="true">
        <forward name="RegisterHolidaysRequestAction"
            path="/Auth/ViewHolidaysRequest.do"/>
    </action>

    <!-- view -->

    <action path="/Auth/ViewHolidaysRequest"
        type="application.http.controller.actions.holidayservice.
            EditUserHolidaysRequestAction"
        name="holidaysRequestForm"
        input="/InternalError.do"
        scope="request"
        validate="true">
```

---

---

```
<forward name="EditHolidaysRequestAction"
  path=".viewHolidaysRequest"/>
</action>

<action path="/Auth/Adm/ViewHolidaysRequest"
  type="application.http.controller.actions.holidayservice.
    EditHolidaysRequestAction"
  name="holidaysRequestForm"
  input="/InternalError.do"
  scope="request"
  validate="true">
  <forward name="EditHolidaysRequestAction"
    path=".viewHolidaysRequest"/>
</action>

<!-- update -->

<action path="/Auth/CancelHolidaysRequest"
  type="application.http.controller.actions.holidayservice.
    CancelHolidaysRequestAction"
  name="holidaysRequestForm"
  scope="request"
  input="/InternalError.do"
  validate="true">
  <forward name="CancelHolidaysRequestAction"
    path="/Auth/Success.do" redirect="true"/>
</action>

<action path="/Auth/Adm/MapUpdatesHolidaysRequest"
  type="application.http.controller.actions.holidayservice.
    MapUpdatesHolidaysRequestAction"
  name="mapUpdatesHolidaysRequestForm"
  scope="request"
  validate="false">
  <forward name="MapUpdatesHolidaysRequestAction"
    path="/Auth/Success.do" redirect="true"/>
</action>

<!-- find -->

<action path="/Auth/Adm/GoToFindHolidaysRequest"
  type="org.apache.struts.actions.ForwardAction"
  parameter=".administratorFindHolidaysRequest"
  redirect="true"/>

<action path="/Auth/Adm/FindHolidaysRequest"
  type="application.http.controller.actions.holidayservice.
    AdministratorFindHolidaysRequestAction"
  name="findHolidaysRequestForm"
  input=".administratorFindHolidaysRequest"
  scope="request"
  validate="true">
  <forward name="AdministratorFindHolidaysRequestAction"
    path=".findHolidaysRequestResult"/>
</action>
```

---

```
<action path="/Auth/GoToFindHolidaysRequest"
type="org.apache.struts.actions.ForwardAction"
parameter=".findHolidaysRequest"
redirect="true"/>

<action path="/Auth/FindHolidaysRequest"
type="application.http.controller.actions.holidayservice.
    FindHolidaysRequestAction"
name="findHolidaysRequestForm"
input=".findHolidaysRequest"
scope="request"
validate="true">
    <forward name="FindHolidaysRequestAction"
        path=".findHolidaysRequestResult"/>
</action>

<!-- printable holidays request actions -->

<action path="/Auth/PrintRegisterHolidaysRequestForm"
type="org.apache.struts.actions.ForwardAction"
parameter=".printRegisterHolidaysRequestForm"
name="holidaysRequestForm"
validate="false"
redirect="true"/>

<action path="/Auth/PrintViewHolidaysRequest"
type="application.http.controller.actions.holidayservice.
    EditUserHolidaysRequestAction"
name="holidaysRequestForm"
input="/InternalError.do"
scope="request"
validate="true">
    <forward name="EditHolidaysRequestAction"
        path=".printViewHolidaysRequest"/>
</action>

<action path="/Auth/Adm/PrintViewHolidaysRequest"
type="application.http.controller.actions.holidayservice.
    EditHolidaysRequestAction"
name="holidaysRequestForm"
input="/InternalError.do"
scope="request"
validate="true">
    <forward name="EditHolidaysRequestAction"
        path=".printViewHolidaysRequest"/>
</action>

<action path="/Print/Auth/FindHolidaysRequest"
type="application.http.controller.actions.holidayservice.
    FindHolidaysRequestAction"
name="findHolidaysRequestForm"
input=".findHolidaysRequest"
scope="request"
validate="true">
    <forward name="FindHolidaysRequestAction"
        path=".printFindHolidaysRequestResult"/>
```

```
</action>

<action path="/Print/Auth/Adm/FindHolidaysRequest"
type="application.http.controller.actions.holidayservice.
AdministratorFindHolidaysRequestAction"
name="findHolidaysRequestForm"
input=".administratorFindHolidaysRequest"
scope="request"
validate="true">
  <forward name="AdministratorFindHolidaysRequestAction"
path=".printFindHolidaysRequestResult"/>
</action>

<!-- Holidays Profile -->

<action path="/Auth/FindHolidaysProfile"
type="application.http.controller.actions.holidayservice.
FindHolidaysProfileAction"
name="findHolidaysProfileForm"
scope="request"
input="/InternalError.do"
validate="true">
  <forward name="FindHolidaysProfileAction"
path=".viewHolidaysProfile"/>
</action>

  <action path="/Print/Auth/FindHolidaysProfile"
type="application.http.controller.actions.holidayservice.
FindHolidaysProfileAction"
name="findHolidaysProfileForm"
scope="request"
input="/InternalError.do"
validate="true">
  <forward name="FindHolidaysProfileAction"
path=".printViewHolidaysProfile"/>
</action>

<action path="/Auth/Adm/GoToFindHolidaysProfile"
type="application.http.controller.actions.holidayservice.
FindHolidaysProfilesAction">
  <forward name="FindHolidaysProfilesAction"
path=".findHolidaysProfile"/>
</action>

<action path="/Auth/Adm/FindHolidaysProfileByPeriod"
type="application.http.controller.actions.holidayservice.
FindPeriodHolidaysProfileAction"
name="findHolidaysProfileForm"
input=".findHolidaysProfile"
scope="request">
  <forward name="FindPeriodHolidaysProfileAction"
path=".viewHolidaysProfile"/>
</action>

<action path="/Print/Auth/Adm/FindHolidaysProfileByPeriod"
type="application.http.controller.actions.holidayservice.
```

---

```

        FindPeriodHolidaysProfileAction"
name="findHolidaysProfileForm"
scope="request"
input="/InternalError.do"
validate="true">
    <forward name="FindPeriodHolidaysProfileAction"
        path=".printViewHolidaysProfile"/>
</action>

<!-- UTILITIES -->

<action path="/Auth/MainUtilitiesPage"
type="org.apache.struts.actions.ForwardAction"
parameter=".mainUtilitiesPage"/>

</action-mappings>

<!-- Front Controller Configuration -->

<controller processorClass=
    "org.apache.struts.tiles.TilesRequestProcessor"/>
<!--<controller processorClass=
    "org.apache.struts.action.RequestProcessor"/>-->

<!-- Messages -->

<message-resources parameter="Messages" null="false"/>

<!-- Plug-in -->

<plug-in className="org.apache.struts.tiles.TilesPlugin">
    <set-property property="definitions-config"
        value="/WEB-INF/Struts/tiles-defs.xml"/>
</plug-in>

<plug-in className="org.apache.struts.validator.ValidatorPlugIn">
    <set-property property="pathnames"
        value="/WEB-INF/Struts/validator-rules.xml,/WEB-INF
            /Struts/validation.xml"/>
</plug-in>

</struts-config>

```

#### 10.5.7.4 Validación de formularios

##### **WEB-INF/Struts/validation.xml**

```
<?xml version="1.0" encoding="ISO-8859-1"?>
```

---

---

```
<!DOCTYPE form-validation PUBLIC
"-//Apache Software Foundation//DTD Commons Validator Rules
Configuration 1.1.3//EN"
"http://jakarta.apache.org/commons/dtds/validator_1_1_3.dtd">

<form-validation>

<formset>

<!-- USER PROFILE FORMS VALIDATION -->

<!-- loginForm validation -->

<form name="loginForm">
<field property="loginName" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>

<field property="password" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>
</form>

<!-- loginAsUserForm validation -->

<form name="loginAsUserForm">
<field property="password" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

<field property="loginName" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>
</form>

<!-- userProfileForm actions validation -->

<form name="/Auth/Adm/RegisterUser">
<field property="loginName" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>
```

---

---

```
<field property="password" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

<field property="retypePassword" depends="required, validwhen">
<var><var-name>test</var-name>
<var-value>(*this* == password)</var-value>
</var>
<msg name="validwhen" key="errorMessage.notMatching.password"/>
</field>

<field property="document" depends="mask">
<var><var-name>mask</var-name>
<var-value>^\d{8}[a-zA-Z]$</var-value></var>
<msg name="mask" key="errorMessage.mask.document"/>
<arg0 name="mask" key="userProfile.document"/>
</field>

<field property="email" depends="mask">
<var><var-name>mask</var-name>
<var-value>^[0-9a-zA-Z\-\_]+\@[0-9a-zA-Z\-\_]+\.[0-9a-zA-Z\-\_]+</var-
value></var>
<msg name="mask" key="errorMessage.mask.invalid"/>
<arg0 name="mask" key="userProfile.email"/>
</field>

<field property="phone" depends="mask">
<var><var-name>mask</var-name>
<var-value>^[6]\d{8}$</var-value></var>
<msg name="mask" key="errorMessage.mask.invalidPhone"/>
</field>
</form>

<form name="/Auth/UpdateUserProfile">
<field property="document" depends="mask">
<var><var-name>mask</var-name>
<var-value>^\d{8}[a-zA-Z]$</var-value></var>
<msg name="mask" key="errorMessage.mask.document"/>
<arg0 name="mask" key="userProfile.document"/>
</field>

<field property="email" depends="mask">
<var><var-name>mask</var-name>
<var-value>^[0-9a-zA-Z\-\_]+\@[0-9a-zA-Z\-\_]+\.[0-9a-zA-Z\-\_]+</var-
value></var>
<msg name="mask" key="errorMessage.mask.invalid"/>
<arg0 name="mask" key="userProfile.email"/>
</field>
</form>

<form name="/Auth/Adm/UpdateUserProfile">
<field property="document" depends="mask">
```

---

---

```
<var><var-name>mask</var-name>
<var-value>^\d{8}[a-zA-Z]$/var-value></var>
<msg name="mask" key="errorMessage.mask.document"/>
<arg0 name="mask" key="userProfile.document"/>
</field>

<field property="email" depends="mask">
<var><var-name>mask</var-name>
<var-value>^[0-9a-zA-Z\_\.]+\@[0-9a-zA-Z\_\.]+\.[0-9a-zA-Z\_\.]+</var-
value></var>
<msg name="mask" key="errorMessage.mask.invalid"/>
<arg0 name="mask" key="userProfile.email"/>
</field>
</form>

<form name="/Auth/Adm/ViewUserDetails">
<field property="loginName" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$/var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>
</form>

<!-- changePhoneForm validation -->

<form name="changePhoneForm">
<field property="password" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$/var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

<field property="phone" depends="mask">
<var><var-name>mask</var-name>
<var-value>^[6]\d{8}$/var-value></var>
<msg name="mask" key="errorMessage.mask.invalidPhone"/>
</field>
</form>

<!-- changePassword validation -->

<form name="changePasswordForm">
<field property="oldPassword" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$/var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

<field property="newPassword" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$/var-value></var>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
```

---



```
</field>

<field property="retypeNewPassword" depends="required, validwhen">
<var><var-name>test</var-name>
<var-value>(*this* == newPassword)</var-value></var>
<msg name="validwhen" key="errorsMessage.notMatching.password"/>
</field>
</form>

<!-- givePasswordForm validation -->

<form name="givePasswordForm">
<field property="administratorPassword" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorsMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

<field property="newPassword" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorsMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

<field property="retypeNewPassword" depends="required, validwhen">
<var><var-name>test</var-name>
<var-value>(*this* == newPassword)</var-value></var>
<msg name="validwhen" key="errorsMessage.notMatching.password"/>
</field>
</form>

<!-- findUserForm validation -->

<form name="findUserForm">

<field property="propertyInName" depends="required, validwhen">
<var><var-name>test</var-name>
<var-value>( (*this* == "loginName") or ((*this* == "firstName") or
(( *this* == "surname") or ((*this* == "document") or ((*this* ==
"email") or ((*this* == "address") or (*this* == "phone"))))))
</var-value></var>
<msg name="validwhen" key="errorsMessage.notMatching"/>
<arg0 name="validwhen" key="find.propertyInName"/>
</field>

<field property="propertyByName" depends="required, validwhen">
<var><var-name>test</var-name>
<var-value>( (*this* == "loginName") or ( (*this* == "firstName") or
(( *this* == "surname") or ((*this* == "document") or ((*this* ==
"email") or ((*this* == "address") or (*this* == "phone"))))))
</var-value></var>
<msg name="validwhen" key="errorsMessage.notMatching"/>
<arg0 name="validwhen" key="find.propertyByName"/>
</field>
```

---

```
<field property="count" depends="integer">
<arg0 name="integer" key="count"/>
</field>

<field property="startIndex" depends="integer">
<arg0 name="integer" key="startIndex"/>
</field>
</form>

<!-- HOLIDAYS REQUEST SERVICE VALIDATION -->

<!-- holidaysServiceForm actions validation -->

<form name="/Auth/Adm/RegisterHolidaysService">
<field property="period" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\d{4}$</var-value></var>
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="yyyy" resource="false"/>
</field>

<field property="days" depends="required, integer">
<arg0 name="integer" key="holidaysService.days"/>
</field>
</form>

<form name="/Auth/Adm/UpdateHolidaysService">
<field property="days" depends="required, integer">
<arg0 name="integer" key="holidaysService.days"/>
</field>
</form>

<!-- findHolidaysServiceForm actions validation -->

<form name="/Auth/Adm/FindPeriodHolidaysService">
<field property="period" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\d{4}$</var-value></var>
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="yyyy" resource="false"/>
</field>
</form>

<form name="Print/Auth/Adm/FindPeriodHolidaysService">
<field property="period" depends="required, mask">
<var><var-name>mask</var-name>
<var-value>^\d{4}$</var-value></var>
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="yyyy" resource="false"/>
</field>
</form>

<!-- holidaysRequestForm action validation -->

<form name="/Auth/RegisterHolidaysRequest">
```

---

---

```
<field property="startDate" depends="required, mask, date">
<var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
<var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="{var:datePattern}" resource="false"/>
</field>

<field property="finalDate" depends="required, mask, date">
<var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
<var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="{var:datePattern}" resource="false"/>
</field>

<field property="confirm" depends="required"/>
</form>

<form name="/Auth/ConfirmRegisterHolidaysRequest">
<field property="startDate" depends="required, mask, date">
<var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
<var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="{var:datePattern}" resource="false"/>
</field>

<field property="finalDate" depends="required, mask, date">
<var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
<var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="{var:datePattern}" resource="false"/>
</field>

<field property="confirm" depends="required"/>
</form>

<form name="/Auth/Adm/ViewHolidaysRequest">
<field property="autoId" depends="required, integer">
<arg0 name="integer" key="holidaysRequest.autoId"/>
</field>
</form>

<form name="/Print/Auth/ViewHolidaysRequest">
<field property="autoId" depends="required, integer">
<arg0 name="integer" key="holidaysRequest.autoId"/>
</field>
</form>

<form name="/Print/Auth/Adm/ViewHolidaysRequest">
```

---

---

```
<field property="autoId" depends="required, integer">
<arg0 name="integer" key="holidaysRequest.autoId"/>
</field>
</form>

<form name="/Auth/CancelHolidaysRequest">
<field property="autoId" depends="required, integer">
<arg0 name="integer" key="holidaysRequest.autoId"/>
</field>
</form>

<!-- findHolidaysRequestForm validation -->

<form name="findHolidaysRequestForm">
<field property="autoId" depends="integer">
<arg0 name="integer" key="holidaysRequest.autoId"/>
</field>

<field property="period" depends="mask">
<var><var-name>mask</var-name>
<var-value>^\d{4}$</var-value></var>
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="yyyy" resource="false"/>
</field>

<field property="sinceDate" depends="mask, date">
<var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
<var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="${var:datePattern}" resource="false"/>
</field>

<field property="propertyByName"
depends="required, validwhen">
<msg name="validwhen" key="errorMessage.notMatching"/>
<arg0 name="validwhen" key="find.form.propertyByName"/>
<var>
<var-name>test</var-name>
<var-value>((*this* == "autoId") or ( (*this* == "loginName") or (
(*this* == "state") or ((*this* == "stateDate") or ((*this* ==
"startDate") or ((*this* == "finalDate") or (*this* ==
"details"))))))))
</var-value></var>
</field>

<field property="startIndex" depends="integer">
<arg0 name="integer" key="find.startIndex"/>
</field>

<field property="count" depends="integer">
<arg0 name="integer" key="find.count"/>
</field>
</form>
```

---

---

```

<!-- findHolidaysProfileForm validation -->

<form name="/Auth/Adm/FindHolidaysProfile">
<field property="loginName" depends="required"/>

<field property="startIndex" depends="integer">
<arg0 name="integer" key="find.startIndex"/>
</field>

<field property="count" depends="integer">
<arg0 name="integer" key="find.count"/>
</field>
</form>

</formset>

</form-validation>

```

### **WEB-INF/Struts/validator-rules.xml**

```

<?xml version="1.0" encoding="ISO-8859-1"?>

<!DOCTYPE form-validation PUBLIC
    "-//Apache Software Foundation//DTD Commons Validator Rules
    Configuration 1.1.3//EN"
    "http://jakarta.apache.org/commons/dtds/validator_1_1_3.dtd">
<!--
    $Id: validator-rules.xml 159291 2005-03-28 20:19:29Z niallp $

    This file contains the default Struts Validator pluggable validator
    definitions. It should be placed somewhere under /WEB-INF and
    referenced in the struts-config.xml under the plug-in element
    for the ValidatorPlugIn.

    <plug-in
        className="org.apache.struts.validator.ValidatorPlugIn">
        <set-property property="pathnames" value="/WEB-INF/validator-
        rules.xml, /WEB-INF/validation.xml"/>
    </plug-in>

    These are the default error messages associated with
    each validator defined in this file. They should be
    added to your projects ApplicationResources.properties
    file or you can associate new ones by modifying the
    pluggable validators msg attributes in this file.

    # Struts Validator Error Messages
    errors.required={0} is required.
    errors.minlength={0} can not be less than {1} characters.
    errors.maxlength={0} can not be greater than {1} characters.
    errors.invalid={0} is invalid.

```

```
errors.byte={0} must be a byte.
errors.short={0} must be a short.
errors.integer={0} must be an integer.
errors.long={0} must be a long.
errors.float={0} must be a float.
errors.double={0} must be a double.
```

```
errors.date={0} is not a date.
errors.range={0} is not in the range {1} through {2}.
errors.creditcard={0} is an invalid credit card number.
errors.email={0} is an invalid e-mail address.
```

Note: Starting in Struts 1.2.0 the default javascript definitions have been consolidated to commons-validator. The default can be overridden by supplying a <javascript> element with a CDATA section, just as in struts 1.1.

-->

<form-validation>

<global>

```
<validator name="required"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateRequired"
  methodParams=" java.lang.Object,
                 org.apache.commons.validator.ValidatorAction,
                 org.apache.commons.validator.Field,
                 org.apache.struts.action.ActionMessages,
                 org.apache.commons.validator.Validator,
                 javax.servlet.http.HttpServletRequest "
  msg="errors.required"/>

<validator name="requiredif"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateRequiredIf"
  methodParams=" java.lang.Object,
                 org.apache.commons.validator.ValidatorAction,
                 org.apache.commons.validator.Field,
                 org.apache.struts.action.ActionMessages,
                 org.apache.commons.validator.Validator,
                 javax.servlet.http.HttpServletRequest "
  msg="errors.required"/>

<validator name="validwhen"
  msg="errors.required"
  classname="org.apache.struts.validator.validwhen.ValidWhen"
  method="validateValidWhen"
  methodParams=" java.lang.Object,
                 org.apache.commons.validator.ValidatorAction,
                 org.apache.commons.validator.Field,
                 org.apache.struts.action.ActionMessages,
                 org.apache.commons.validator.Validator,
                 javax.servlet.http.HttpServletRequest "/>
```

```
<validator name="minlength"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateMinLength"
  methodParams="java.lang.Object,
    org.apache.commons.validator.ValidatorAction,
    org.apache.commons.validator.Field,
    org.apache.struts.action.ActionMessages,
    org.apache.commons.validator.Validator,
    javax.servlet.http.HttpServletRequest"
  depends=""
  msg="errors.minlength"
jsFunction="org.apache.commons.validator.javascript.validateMinLength"
/>
```

```
<validator name="maxlength"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateMaxLength"
  methodParams="java.lang.Object,
    org.apache.commons.validator.ValidatorAction,
    org.apache.commons.validator.Field,
    org.apache.struts.action.ActionMessages,
    org.apache.commons.validator.Validator,
    javax.servlet.http.HttpServletRequest"
  depends=""
  msg="errors.maxlength"
jsFunction="org.apache.commons.validator.javascript.validateMaxLength"
/>
```

```
<validator name="mask"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateMask"
  methodParams="java.lang.Object,
    org.apache.commons.validator.ValidatorAction,
    org.apache.commons.validator.Field,
    org.apache.struts.action.ActionMessages,
    org.apache.commons.validator.Validator,
    javax.servlet.http.HttpServletRequest"
  depends=""
  msg="errors.invalid"/>
```

```
<validator name="byte"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateByte"
  methodParams="java.lang.Object,
    org.apache.commons.validator.ValidatorAction,
    org.apache.commons.validator.Field,
    org.apache.struts.action.ActionMessages,
    org.apache.commons.validator.Validator,
```

```
        javax.servlet.http.HttpServletRequest"
    depends=""
    msg="errors.byte"
    jsFunctionName="ByteValidations"/>

<validator name="short"
    classname="org.apache.struts.validator.FieldChecks"
    method="validateShort"
    methodParams="java.lang.Object,
        org.apache.commons.validator.ValidatorAction,
        org.apache.commons.validator.Field,
        org.apache.struts.action.ActionMessages,
        org.apache.commons.validator.Validator,
        javax.servlet.http.HttpServletRequest"
    depends=""
    msg="errors.short"
    jsFunctionName="ShortValidations"/>

<validator name="integer"
    classname="org.apache.struts.validator.FieldChecks"
    method="validateInteger"
    methodParams="java.lang.Object,
        org.apache.commons.validator.ValidatorAction,
        org.apache.commons.validator.Field,
        org.apache.struts.action.ActionMessages,
        org.apache.commons.validator.Validator,
        javax.servlet.http.HttpServletRequest"
    depends=""
    msg="errors.integer"
    jsFunctionName="IntegerValidations"/>

<validator name="long"
    classname="org.apache.struts.validator.FieldChecks"
    method="validateLong"
    methodParams="java.lang.Object,
        org.apache.commons.validator.ValidatorAction,
        org.apache.commons.validator.Field,
        org.apache.struts.action.ActionMessages,
        org.apache.commons.validator.Validator,
        javax.servlet.http.HttpServletRequest"
    depends=""
    msg="errors.long"/>

<validator name="float"
    classname="org.apache.struts.validator.FieldChecks"
    method="validateFloat"
    methodParams="java.lang.Object,
        org.apache.commons.validator.ValidatorAction,
        org.apache.commons.validator.Field,
        org.apache.struts.action.ActionMessages,
        org.apache.commons.validator.Validator,
```



```
                javax.servlet.http.HttpServletRequest "
            depends=" "
                msg="errors.float "
            jsFunctionName="FloatValidations"/>

<validator name="double"
    classname="org.apache.struts.validator.FieldChecks"
    method="validateDouble"
    methodParams=" java.lang.Object ,
                  org.apache.commons.validator.ValidatorAction,
                  org.apache.commons.validator.Field,
                  org.apache.struts.action.ActionMessages,
                  org.apache.commons.validator.Validator,
                  javax.servlet.http.HttpServletRequest "
    depends=" "
        msg="errors.double"/>

<validator name="date"
    classname="org.apache.struts.validator.FieldChecks"
    method="validateDate"
    methodParams=" java.lang.Object ,
                  org.apache.commons.validator.ValidatorAction,
                  org.apache.commons.validator.Field,
                  org.apache.struts.action.ActionMessages,
                  org.apache.commons.validator.Validator,
                  javax.servlet.http.HttpServletRequest "
    depends=" "
        msg="errors.date"
    jsFunctionName="DateValidations"/>

<validator name="intRange"
    classname="org.apache.struts.validator.FieldChecks"
    method="validateIntRange"
    methodParams=" java.lang.Object ,
                  org.apache.commons.validator.ValidatorAction,
                  org.apache.commons.validator.Field,
                  org.apache.struts.action.ActionMessages,
                  org.apache.commons.validator.Validator,
                  javax.servlet.http.HttpServletRequest "
    depends=" integer"
        msg="errors.range"/>

<validator name="floatRange"
    classname="org.apache.struts.validator.FieldChecks"
    method="validateFloatRange"
    methodParams=" java.lang.Object ,
                  org.apache.commons.validator.ValidatorAction,
                  org.apache.commons.validator.Field,
                  org.apache.struts.action.ActionMessages,
                  org.apache.commons.validator.Validator,
                  javax.servlet.http.HttpServletRequest "
    depends=" float "
        msg="errors.range"/>
```

---

```
<validator name="doubleRange"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateDoubleRange"
  methodParams="java.lang.Object,
    org.apache.commons.validator.ValidatorAction,
    org.apache.commons.validator.Field,
    org.apache.struts.action.ActionMessages,
    org.apache.commons.validator.Validator,
    javax.servlet.http.HttpServletRequest"
  depends="double"
  msg="errors.range"/>

<validator name="creditCard"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateCreditCard"
  methodParams="java.lang.Object,
    org.apache.commons.validator.ValidatorAction,
    org.apache.commons.validator.Field,
    org.apache.struts.action.ActionMessages,
    org.apache.commons.validator.Validator,
    javax.servlet.http.HttpServletRequest"
  depends=""
  msg="errors.creditcard"/>

<validator name="email"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateEmail"
  methodParams="java.lang.Object,
    org.apache.commons.validator.ValidatorAction,
    org.apache.commons.validator.Field,
    org.apache.struts.action.ActionMessages,
    org.apache.commons.validator.Validator,
    javax.servlet.http.HttpServletRequest"
  depends=""
  msg="errors.email"/>

<validator name="url"
  classname="org.apache.struts.validator.FieldChecks"
  method="validateUrl"
  methodParams="java.lang.Object,
    org.apache.commons.validator.ValidatorAction,
    org.apache.commons.validator.Field,
    org.apache.struts.action.ActionMessages,
    org.apache.commons.validator.Validator,
    javax.servlet.http.HttpServletRequest"
  depends=""
  msg="errors.url"/>

<validator name="holidaysRequest"
  classname="application.http.view.validator.MyHolidaysRequestValidator"
  method="validateHolidaysRequest"
  methodParams="java.lang.Object,
```

---

---

```

        org.apache.commons.validator.ValidatorAction,
        org.apache.commons.validator.Field,
        org.apache.struts.action.ActionMessages,
        org.apache.commons.validator.Validator,
        javax.servlet.http.HttpServletRequest"
    depends=""
    msg="errors.request"/>

    <!--
    This simply allows struts to include the validateUtilities into
    a page, it should not be used as a validation rule.
    -->
    <validator name="includeJavaScriptUtilities"
        classname=""
        method=""
        methodParams=""
        depends=""
        msg=""

    jsFunction="org.apache.commons.validator.javascript.validateUtilities"
    />

    </global>

</form-validation>

```

#### 10.5.7.5 *Configuración de vista de la aplicación con Tiles*

##### **WEB-INF/Struts/tiles-def.xml**

```

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE tiles-definitions PUBLIC
    "-//Apache Software Foundation//DTD Tiles Configuration
    1.1//EN"
    "http://struts.apache.org/dtds/tiles-config_1_1.dtd">

<tiles-definitions>

<!-- Templates -->

<definition name=".basicLayout" page="/HTML/layout/BasicTemplate.jsp">
    <put name="title" value="{title}"/>
    <put name="resume" value="{resume}"/>
    <put name="content" value="" type="string"/>
</definition>

```

---

---

```
<definition name=".defaultLayout"
page="/HTML/layout/DefaultTemplate.jsp">
  <put name="title" value="{title}"/>
  <put name="user_working" value="/HTML/common/User_working.jsp"/>
  <put name="main_upper_links" value=".mainUpperLinks"/>
  <put name="action_upper_links" value=".actionUpperLinks"/>
  <put name="page_links" value="" type="string"/>
  <put name="user_links" value=".vUserProfileLinks"/>
  <put name="holidays_links" value=".vHolidaysLinks"/>
  <put name="utilities_links" value=".vUtilitiesLinks"/>
  <put name="resume" value="{resume}"/>
  <put name="contentAsMessage" value="content.noContentAsMessage"/>
  <put name="content" value="" type="string"/>
</definition>

<definition name=".printLayout" page="/HTML/layout/PrintTemplate.jsp">
  <put name="title" value="{title}"/>
  <put name="resume" value="{resume}"/>
  <put name="content" value="" type="string"/>
</definition>

<!-- Upper links. -->

<definition name=".mainUpperLinks"
page="/HTML/layout/HLinksTemplate.jsp">
  <putList name="hLinks">
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/MainUserProfilePage.do"
      value="links.userProfile.title"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/MainHolidaysServicePage.do"
      value="links.holidaysService.title"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/MainUtilitiesPage.do"
      value="links.utilities.title"/>
  </putList>
</definition>

<definition name=".actionUpperLinks"
page="/HTML/layout/HLinksTemplate.jsp">
  <putList name="hLinks">
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/Adm/GoToLoginAsUser.do"
      value="link.userProfile.loginAsUser" role="adm"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Logout.do"
      value="link.userProfile.logout"/>
  </putList>
</definition>
```

---

---

```
<!-- Left Links. -->

<definition name=".vUserProfileLinks"
page="/HTML/layout/VLinksTemplate.jsp">
  <put name="vTitle" value="links.userProfile.title"/>
  <putList name="vLinks">
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/Adm/GoToRegisterUser.do"
  value="link.userProfile.registerUser" role="adm"/>
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/ViewUserProfile.do"
  value="link.userProfile.view"/>
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/GoToChangePassword.do"
  value="link.userProfile.changePassword"/>
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/GoToFindUser.do"
  value="link.userProfile.findUser"/>
  </putList>
</definition>

<definition name=".vHolidaysLinks"
page="/HTML/layout/VLinksTemplate.jsp">
  <put name="vTitle" value="links.holidaysService.title"/>
  <putList name="vLinks">
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/Adm/GoToRegisterHolidaysService.do"
  value="link.holidays.registerHolidaysService" role="adm"/>
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/Adm/GoToFindHolidaysService.do?count=5"
  value="link.holidays.findHolidaysService" role="adm"/>
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/FindUserHolidaysService.do?count=5"
  value="link.holidays.findHolidaysService" role="user"/>
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/GoToRegisterHolidaysRequest.do"
  value="link.holidays.registerHolidaysRequest"/>
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/Adm/GoToFindHolidaysRequest.do"
  value="link.holidays.findHolidaysRequest" role="adm"/>
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/GoToFindHolidaysRequest.do"
  value="link.holidays.findHolidaysRequest" role="user"/>
    <item
  classtype="application.util.view.tiles.PlusTargetMenuItem"
  link="/Auth/FindHolidaysProfile.do?count=5"
  value="link.holidays.findHolidaysRequest" role="user"/>
  </putList>
</definition>
```

---

---

```
        value="link.holidays.findHolidaysProfile" role="user"/>
    <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/Adm/GoToFindHolidaysProfile.do"
        value="link.holidays.viewHolidaysProfile" role="adm"/>
    </putList>
</definition>

<definition name=".vUtilitiesLinks"
page="/HTML/layout/VLinksTemplate.jsp">
    <put name="vTitle" value="links.utilities.title"/>
    <putList name="vLinks">
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterUserForm.do"
            value="link.userProfile.registerUser.printForm"
            target="_blank"/>
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterHolidaysServiceForm.do"
            value="link.holidays.registerHolidaysService.printForm"
            target="_blank"/>
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterHolidaysRequestForm.do"
            value="link.holidays.registerHolidaysRequest.printForm"
            target="_blank"/>
    </putList>
</definition>

<!-- Page Links -->

<definition name=".registerUserLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterUserForm.do"
            value="link.printForm" target="_blank"/>
    </putList>
</definition>

<definition name=".viewUserProfileLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintViewUserProfile.do"
            value="link.userProfile.view.print" target="_blank"/>
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/GoToUpdateUserProfile.do"
            value="link.userProfile.updateUserProfile" role="user"/>
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
```

---

---

```
        link="/Auth/Adm/GoToUpdateUserProfile.do"
        value="link.userProfile.updateUserProfile" role="adm"/>
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/GoToChangePhone.do"
        value="link.userProfile.changePhone"/>
    </putList>
</definition>

<definition name=".changePasswordLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/Adm/GoToGivePassword.do"
        value="link.userProfile.givePassword" role="adm"/>
    </putList>
</definition>

<definition name=".changePhoneLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/Adm/GoToChangePhone.do" value="link.userProfile.givePhone"
        role="adm"/>
    </putList>
</definition>

<definition name=".registerHolidaysServiceLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/PrintRegisterHolidaysServiceForm.do"
        value="link.printForm" target="_blank"/>
    </putList>
</definition>

<definition name=".registerHolidaysRequestLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/PrintRegisterHolidaysRequestForm.do"
        value="link.printForm" target="_blank"/>
    </putList>
</definition>

<!-- General Pages -->

<definition name=".authenticate" extends=".basicLayout">
    <put name="title" value="title.userProfile.login"/>
    <put name="resume" value="resume.userProfile.login"/>
    <put name="content" value="/HTML/Login.jsp"/>
</definition>
```

---

---

```
<definition name=".internalError" extends=".defaultLayout">
  <put name="title" value="title.internalError"/>
  <put name="resume" value="resume.internalError"/>
  <put name="contentAsMessage" value="internalError.content"/>
</definition>

<definition name=".success" extends=".defaultLayout">
  <put name="title" value="title.success"/>
  <put name="resume" value="resume.success"/>
  <put name="contentAsMessage" value="success.content"/>
</definition>

<definition name=".administratorRequired" extends=".defaultLayout">
  <put name="title" value="title.administratorRequired"/>
  <put name="resume" value="resume.administratorRequired"/>
  <put name="contentAsMessage"
    value="administratorRequired.content"/>
</definition>

<definition name=".mainPage" extends=".defaultLayout">
  <put name="title" value="title.mainPage"/>
  <put name="resume" value="resume.mainPage"/>
  <put name="content" value="/HTML/MainPage.jsp"/>
</definition>

<!-- User Profile Related Pages -->

<definition name=".mainUserProfilePage" extends=".defaultLayout">
  <put name="title" value="title.userProfile.mainPage."/>
  <put name="resume" value="resume.userProfile.mainPage"/>
  <put name="content" value="/HTML/MainUserProfilePage.jsp"/>
</definition>

<definition name=".registerUser" extends=".defaultLayout">
  <put name="title" value="title.userProfile.registerUser"/>
  <put name="page_links" value=".registerUserLinks"/>
  <put name="resume" value="resume.userProfile.registerUser"/>
  <put name="content" value="/HTML/RegisterUser.jsp"/>
</definition>

<definition name=".viewUserProfile" extends=".defaultLayout">
  <put name="title" value="title.userProfile.view"/>
  <put name="page_links" value=".viewUserProfileLinks"/>
  <put name="resume" value="resume.userProfile.view"/>
  <put name="content" value="/HTML/ViewUserProfile.jsp"/>
</definition>

<definition name=".updateUserProfile" extends=".defaultLayout">
  <put name="title" value="title.userProfile.update"/>
  <put name="resume" value="resume.userProfile.update"/>
  <put name="content" value=".updateUserProfileContent"/>
</definition>
```

---



---

```
<definition name=".updateUserProfileContent"
page="/HTML/UpdateUserProfile.jsp">
  <put name="action" value="/Auth/UpdateUserProfile.do"/>
</definition>

<definition name=".administratorUpdateUserProfile"
extends=".defaultLayout">
  <put name="title" value="title.userProfile.update.administrator"/>
  <put name="resume"
    value="resume.userProfile.update.administrator"/>
  <put name="content"
    value=".administratorUpdateUserProfileContent"/>
</definition>

<definition name=".administratorUpdateUserProfileContent"
page="/HTML/UpdateUserProfile.jsp">
  <put name="action" value="/Auth/Adm/UpdateUserProfile.do"/>
</definition>

<definition name=".changePassword" extends=".defaultLayout">
  <put name="title" value="title.userProfile.changePassword"/>
  <put name="page_links" value=".changePasswordLinks"/>
  <put name="resume" value="resume.userProfile.changePassword"/>
  <put name="content" value="/HTML/ChangePassword.jsp"/>
</definition>

<definition name=".givePassword" extends=".defaultLayout">
  <put name="title" value="title.userProfile.givePassword"/>
  <put name="resume" value="resume.userProfile.givePassword"/>
  <put name="content" value="/HTML/GivePassword.jsp"/>
</definition>

<definition name=".changePhone" extends=".defaultLayout">
  <put name="title" value="title.userProfile.changePhone"/>
  <put name="page_links" value=".changePhoneLinks"/>
  <put name="resume" value="resume.userProfile.changePhone"/>
  <put name="content" value="/HTML/ChangePhone.jsp"/>
</definition>

<definition name=".givePhone" extends=".defaultLayout">
  <put name="title" value="title.userProfile.givePhone"/>
  <put name="resume" value="resume.userProfile.givePhone"/>
  <put name="content" value="/HTML/GivePhone.jsp"/>
</definition>

<definition name=".loginAsUser" extends=".defaultLayout">
  <put name="title" value="title.userProfile.loginAsUser"/>
  <put name="resume" value="resume.userProfile.loginAsUser"/>
  <put name="content" value="/HTML/LoginAsUser.jsp"/>
</definition>

<definition name=".findUser" extends=".defaultLayout">
  <put name="title" value="title.userProfile.findUser"/>
  <put name="resume" value="resume.userProfile.findUser"/>
  <put name="content" value="/HTML/FindUser.jsp"/>
</definition>
```

---

---

```
</definition>

<definition name=".findUserResult" extends=".defaultLayout">
  <put name="title" value="title.userProfile.findUserResult"/>
  <put name="page_links"
    value="/HTML/common/FindResultPageLink.jsp"/>
  <put name="resume" value="resume.userProfile.findUserResult"/>
  <put name="content" value="/HTML/FindUserResult.jsp"/>
</definition>

<!-- Holidays Service Relate Actions -->

<definition name=".mainHolidaysServicePage" extends=".defaultLayout">
  <put name="title" value="title.holidays.mainPage"/>
  <put name="resume" value="resume.holidays.mainPage"/>
  <put name="content" value="/HTML/MainHolidaysServicePage.jsp"/>
</definition>

<definition name=".registerHolidaysService" extends=".defaultLayout">
  <put name="title" value="title.holidays.registerHolidaysService"/>
  <put name="page_links" value=".registerHolidaysServiceLinks"/>
  <put name="resume"
    value="resume.holidays.registerHolidaysService"/>
  <put name="content" value="/HTML/RegisterHolidaysService.jsp"/>
</definition>

<definition name=".findHolidaysService" extends=".defaultLayout">
  <put name="title" value="title.holidays.findHolidaysService"/>
  <put name="resume" value="resume.holidays.findHolidaysService"/>
  <put name="content" value="/HTML/FindHolidaysService.jsp"/>
</definition>

<definition name=".findHolidaysServiceResult"
extends=".defaultLayout">
  <put name="title"
    value="title.holidays.findHolidaysServiceResult"/>
  <put name="page_links"
    value="/HTML/common/FindResultPageLink.jsp"/>
  <put name="resume"
    value="resume.holidays.findHolidaysServiceResult"/>
  <put name="content" value="/HTML/FindHolidaysServiceResult.jsp"/>
</definition>

<definition name=".updateHolidaysService" extends=".defaultLayout">
  <put name="title" value="title.holidays.updateHolidaysService"/>
  <put name="resume" value="resume.holidays.updateHolidaysService"/>
  <put name="content" value="/HTML/UpdateHolidaysService.jsp"/>
</definition>

<definition name=".registerHolidaysRequest" extends=".defaultLayout">
  <put name="title" value="title.holidays.registerHolidaysRequest"/>
  <put name="page_links" value=".registerHolidaysRequestLinks"/>
  <put name="resume"
    value="resume.holidays.registerHolidaysRequest"/>
  <put name="content" value="/HTML/RegisterHolidaysRequest.jsp"/>
</definition>
```

---

---

```
<definition name=".previewRegisterHolidaysRequest"
extends=".defaultLayout">
  <put name="title"
    value="title.holidays.confirmRegisterHolidaysRequest"/>
  <put name="resume"
    value="resume.holidays.confirmRegisterHolidaysRequest"/>
  <put name="content"
    value="/HTML/ConfirmRegisterHolidaysRequest.jsp"/>
</definition>

<definition name=".viewHolidaysRequest" extends=".defaultLayout">
  <put name="title" value="title.holidays.viewHolidaysRequest"/>
  <put name="page_links"
    value="/HTML/common/ViewHolidaysRequestPageLink.jsp"/>
  <put name="resume" value="resume.holidays.viewHolidaysRequest"/>
  <put name="content" value="/HTML/ViewHolidaysRequest.jsp"/>
</definition>

<definition name=".findHolidaysRequest" extends=".defaultLayout">
  <put name="title" value="title.holidays.findHolidaysRequest"/>
  <put name="resume" value="resume.holidays.findHolidaysRequest"/>
  <put name="content" value=".findHolidaysRequestContent"/>
</definition>

<definition name=".findHolidaysRequestContent"
page="/HTML/FindHolidaysRequest.jsp">
  <put name="action" value="Auth/FindHolidaysRequest.do"/>
</definition>

<definition name=".findHolidaysRequestResult"
extends=".defaultLayout">
  <put name="title"
    value="title.holidays.findHolidaysRequestResult"/>
  <put name="page_links"
    value="/HTML/common/FindResultPageLink.jsp"/>
  <put name="resume"
    value="resume.holidays.findHolidaysRequestResult"/>
  <put name="content" value="/HTML/FindHolidaysRequestResult.jsp"/>
</definition>

<definition name=".administratorFindHolidaysRequest"
extends=".defaultLayout">
  <put name="title"
    value="title.holidays.findHolidaysRequest.administrator"/>
  <put name="resume"
    value="resume.holidays.findHolidaysRequest.administrator"/>
  <put name="content"
    value=".administratorFindHolidaysRequestContent"/>
</definition>

<definition name=".administratorFindHolidaysRequestContent"
page="/HTML/FindHolidaysRequest.jsp">
  <put name="action" value="Auth/Adm/FindHolidaysRequest.do"/>
</definition>
```

---

```
<definition name=".viewHolidaysProfile" extends=".defaultLayout">
  <put name="title" value="title.holidays.viewHolidaysProfile"/>
  <put name="page_links"
    value="/HTML/common/FindResultPageLink.jsp"/>
  <put name="resume" value="resume.holidays.viewHolidaysProfile"/>
  <put name="content" value="/HTML/ViewHolidaysProfile.jsp"/>
</definition>

<definition name=".findHolidaysProfile" extends=".defaultLayout">
  <put name="title" value="title.holidays.findHolidaysProfile"/>
  <put name="resume" value="resume.holidays.findHolidaysProfile"/>
  <put name="content" value="/HTML/FindHolidaysProfile.jsp"/>
</definition>

<!-- Utilities Relate Actions -->

<definition name=".mainUtilitiesPage" extends=".defaultLayout">
  <put name="title" value="title.utilities.mainPage"/>
  <put name="resume" value="resume.utilities.mainPage"/>
  <put name="content" value="/HTML/MainUtilitiesPage.jsp"/>
</definition>

<!-- Printable versions -->

<definition name=".printRegisterUserForm" extends=".printLayout">
  <put name="title"
    value="title.userProfile.registerUser.printForm"/>
  <put name="resume"
    value="resume.userProfile.registerUser.printForm"/>
  <put name="content" value="/HTML/RegisterUser.jsp"/>
</definition>

<definition name=".printViewUserProfile" extends=".printLayout">
  <put name="title" value="title.userProfile.view.print"/>
  <put name="resume" value="resume.userProfile.view.print"/>
  <put name="content" value="/HTML/ViewUserProfile.jsp"/>
</definition>

<definition name=".printFindUserResult" extends=".printLayout">
  <put name="title" value="title.userProfile.findUserResult.print"/>
  <put name="resume"
    value="resume.userProfile.findUserResult.print"/>
  <put name="content" value="/HTML/FindUserResult.jsp"/>
</definition>

<definition name=".printRegisterHolidaysServiceForm"
extends=".printLayout">
  <put name="title"
    value="title.holidays.registerHolidaysService.printForm"/>
  <put name="resume"
    value="resume.holidays.registerHolidaysService.printForm"/>
  <put name="content" value="/HTML/RegisterHolidaysService.jsp"/>
</definition>
```

---

```
<definition name=".printFindHolidaysServiceResult"
extends=".printLayout">
  <put name="title"
    value="title.holidays.findHolidaysServiceResult.print"/>
  <put name="resume"
    value="resume.holidays.findHolidaysServiceResult.print"/>
  <put name="content" value="/HTML/FindHolidaysServiceResult.jsp"/>
</definition>

<definition name=".printRegisterHolidaysRequestForm"
extends=".printLayout">
  <put name="title"
    value="title.holidays.registerHolidaysRequest.printForm"/>
  <put name="resume"
    value="resume.holidays.registerHolidaysRequest.printForm"/>
  <put name="content" value="/HTML/RegisterHolidaysRequest.jsp"/>
</definition>

<definition name=".printViewHolidaysRequest" extends=".printLayout">
  <put name="title"
    value="title.holidays.viewHolidaysRequest.print"/>
  <put name="resume"
    value="resume.holidays.viewHolidaysRequest.print"/>
  <put name="content" value="/HTML/ViewHolidaysRequest.jsp"/>
</definition>

<definition name=".printFindHolidaysRequestResult"
extends=".printLayout">
  <put name="title"
    value="title.holidays.findHolidaysRequestResult.print"/>
  <put name="resume"
    value="resume.holidays.findHolidaysRequestResult.print"/>
  <put name="content" value="/HTML/FindHolidaysRequestResult.jsp"/>
</definition>

<definition name=".printViewHolidaysProfile" extends=".printLayout">
  <put name="title"
    value="title.holidays.findHolidaysProfile.print"/>
  <put name="resume"
    value="resume.holidays.findHolidaysProfile.print"/>
  <put name="content" value="/HTML/ViewHolidaysProfile.jsp"/>
</definition>

</tiles-definitions>
```

#### 10.5.7.6 *Internacionalización*

**WEB-INF/classes/Messages.properties**

---

```

# ERRORS
error.action.changePassword = Si no recuerda su contraseña, pongase en
    contacto con su administrador.
error.action.changePhone = Si no recuerda su contraseña, pongase en
    contacto con su administrador.
error.action.login = Si no recuerda su identificador de usuario o
    contraseña, pongase en contacto con su administrador.

errors.footer = </b></font>
errors.header = <font color\="red" size\="-1"><b>

errors.integer = {0} debe ser un número entero.
errors.required = Campo obligatorio.

errorsMessage.duplicated.loginName = El identificador de usuario ya
    existe.
errorsMessage.incorrect.password = Contraseña incorrecta.

errorsMessage.mask.document = {0} no válido (8 dígitos y una letra).
errorsMessage.mask.format = Valor incorrecto. Formato válido: {0}.
errorsMessage.mask.invalid = {0} no válido.
errorsMessage.mask.invalidPhone = Teléfono no apto para el servicio.
    Actualmente servicio sólo disponible para móviles inscritos en
    España.
errorsMessage.mask.login = {0} valor incorrecto. Introduzca de 3 a 9
    caracteres alfanuméricos.

errorsMessage.notFound.loginName = Identificador de usuario no
    encontrado.

errorsMessage.notMatching = Valor incorrecto de "{0}".
errorsMessage.notMatching.password = Contraseñas no coinciden.

errorsMessage.notMachingPeriod.holidaysRequest=Las fechas de solicitud
    deben pertenecer al mismo año
errorsMessage.incorrect.holidaysrequest=Fecha de solicitud incorrecta
errorsMessage.serviceNotAvaliable=El usuario no está dado de alta en
    este servicio para el periodo solicitado
errorsMessage.requestAlreadyExist=Periodo ya solicitado anteriormente

# DEFAULT

default.yes = Sí
default.no = No

buttons.accept = Aceptar
buttons.cancel = Cancelar
buttons.update.state = Actualizar estado
buttons.reject = Rechazar
buttons.reset = Reset

content.noContentAsMessage
content.footer = Aplicación ejemplo

```

---

```
administratorRequired.content = <p class="internalError">Necesita
    permisos de administrador para realizar la operación
    solicitada.</p>
internalError.content = <p class="internalError">Se ha producido un
    error interno. Compruebe si la operación se ha realizado con
    éxito.</p>

success.content = <p class="success">Su operación se ha realizado con
    éxito.</p>

find.count = count
find.isDesc = DESC
find.isUserLoaded = Mostrar sólo los datos referentes a
find.pattern = Seleccione el PATRÓN que desea encontrar
find.propertyByName = propertyByName
find.propertyInName = propertyInName
find.since = Desde
find.startIndex = startIndex

find.repeat = Repetir búsqueda anterior
find.result.empty = No hay más elementos que cumplan sus patrones de
    búsqueda

find.result.pattern = Patrón de búsqueda
find.result.propertyInName = Buscar en
find.result.propertyByName = Resultado de búsqueda ordenado según
find.result.isDesc = Orden descendente

find.rules.actionAdvance = BÚSQUEDA AVANZADA
find.rules.pattern = Si lo desea puede utilizar el símbolo % como
    comodín de búsqueda. Ej.: %r%
find.rules.prefered = Si lo prefiere puede realizar una
find.rules.propertyByName = Indique con que criterio quiere ordenar el
    resultado de su búsqueda
find.rules.propertyInName = Seleccione dónde desea encontrar el patrón
    anterior
find.rules.desc = Marcar si se quiere mostrar los resultados en orden
    descendiente según el criterio elegido

find.state.all=Todas
find.state.notTramitted=No tramitada
find.state.accepted=Aceptadas
find.state.rejected=Rechazadas
find.state.cancelled=Canceladas

find.user.allByLoginName = TODOS los usuarios según IDENTIFICADOR DE
    USUARIO
find.user.allByFirstName = TODOS los usuarios según NOMBRE
find.user.allBySurname = TODOS los usuarios según APELLIDOS

find.holidaysService.period = Si lo prefiere, seleccione un período de
    la lista
find.holidaysService.user = Ver servicios de vacaciones del usuario
find.holidaysProfile.user = Ver perfil de vacaciones del usuario
find.holidaysProfile.period = Si lo prefiere, seleccione un período de
    la lista
```

```
find.state.leyend=Estado: [0 = No tramitada] [1 = Aceptada] [2 =
    Rechazada] [3 = Cancelada]

rules.copyForm = Entregue este formulario al personal responsable y
    conserve una copia
rules.confirmHolidaysRequest = Confirme que desea realizar la
    siguiente solicitud de vacaciones
rules.includeLoginName.session = Intruduzca el identificador de
    usuario que desea cargar en sesión
rules.includeNewPhone = Introduzca su nuevo número de teléfono
rules.includePassword = Introduzca su contraseña para poder realizar
    la acción
rules.includeOldPassword = Introduzca a continuación el valor actual
    de su contraseña
rules.includeNewPassword = Introduzca a continuación la nueva
    contraseña y su confirmación
rules.notMandatoryField = Este campo no tiene carácter obligatorio
rules.mandatoryFields = Los campos marcados con un asterisco (*) son
    campos obligatorios

rules.loginName.value = El identificador de usuario puede estar
    condicionado por reglas del sistema
rules.loginName.propose = El valor proporcionado sólo tiene carácter
    de propuesta, pudiendo ser o no el identificador finalmente
    asignado
rules.loginName.final = Una vez asignado un identificador no podrá ser
    modificado

rules.password.temporary = La contraseña solicitada se aplicará sólo
    de modo provisional
rules.password.changeMandatory = Una vez dado de alta en el sistema,
    el usuario deberá cambiar esta contraseña

rules.period.format = El período proporcionado debe corresponderse con
    períodos anuales y tener el formato yyyy
rules.days.format = Proporcione un número entero correspondiente a los
    días de vacaciones anuales correspondientes al usuario

rules.phone.info = El teléfono proporcionado se utilizará para envío
    de información relacionada con las operaciones realizadas a
    través de este portal

rules.holidaysRequest.dates = Indique la fecha de inicio y fin
    incluidas en el período solicitado

#HOLIDAYS REQUEST SERVICE

#holidays profile
holidaysProfile.daysLeft = Días pendientes

#holidays request
holidaysrequest.days.title = Días solicitados
```

---



```
holidaysRequest.autoId = Identificador de solicitud
holidaysRequest.dateDetails = Detalles de periodo solicitado
holidaysRequest.dateFormat = dd-mm-yyyy
holidaysRequest.details = Detalles de contacto
holidaysRequest.finalDate = Fecha de finalizacion
holidaysRequest.period = Periodo al que pertenece
holidaysRequest.state = Estado de solicitud
holidaysRequest.startDate = Fecha de inicio
holidaysRequest.stateDate = Fecha de solicitud o modificación de
    estado
holidaysRequest.stateDetails = Detalles de estado de solicitud
holidaysRequest.workingDays = Días laborables

#holidays service

holidaysService.title = Servicio de vacaciones

holidaysService.days = Días totales de vacaciones
holidaysService.period = Período de servicio de vacaciones

# USER PROFILE

userProfile.address = Dirección
userProfile.details = Detalles
userProfile.document = DNI
userProfile.email = E-mail
userProfile.firstName = Nombre
userProfile.isAdministrator = Administrador
userProfile.loginName = Identificador de usuario
userProfile.password = Contraseña
userProfile.phone = Teléfono
userProfile.retypePassword = Confirmar contraseña
userProfile.surname = Apellidos

userProfile.access.title = Detalles de permisos de usuario
userProfile.details.title = Detalles de perfil de usuario
userProfile.sms.title = Detalles de recepción de sms

userProfile.notes = Observaciones

#LINKS
link.printForm = Imprimir formulario
link.findResult.showAll = Mostrar todos los resultados
link.findResult.print = Imprimir resultado de búsqueda
links.next=Siguiente
links.previous=Anterior
link.edit=Editar

links.holidaysService.title = :: Servicio de vacaciones ::

link.holidays.viewHolidaysRequest.print = Imprimir solicitud

link.holidays.registerHolidaysRequest.printForm = Formulario de
    solicitud de vacaciones
```

```

link.holidays.registerHolidaysService = Registrar servicio de
    vacaciones
link.holidays.registerHolidaysService.printForm = Formulario de
    registro de servicio de vacaciones
link.holidays.findHolidaysService = Ver servicio de vacaciones
link.holidays.registerHolidaysRequest = Solicitar vacaciones o
    permisos
link.holidays.findHolidaysRequest = Ver solicitudes de vacaciones
link.holidays.findHolidaysProfile = Ver perfil de vacaciones
link.holidays.viewHolidaysProfile = Ver perfil de vacaciones

links.utilities.title = :: Utilidades ::

links.userProfile.title = :: Perfil de usuario ::

link.userProfile.changePhone = Cambiar teléfono
link.userProfile.changePassword = Cambiar contraseña
link.userProfile.findUser = Búsqueda de usuario
link.userProfile.givePassword=Dar nueva contraseña
link.userProfile.givePhone = Dar nuevo número de teléfono
link.userProfile.loginAsUser = Cambiar de usuario
link.userProfile.logout = Salir
link.userProfile.registerUser = Registrar usuario
link.userProfile.registerUser.prinForm = Formulario de registro de
    usuario
link.userProfile.updateUserProfile = Editar perfil
link.userProfile.view = Perfil de usuario
link.userProfile.view.print = Imprimir perfil de usuario

#RESUME
resume.administratorRequired = Error Administrador
resume.internalError = Error Interno
resume.mainPage = Página principal
resume.success = Operación con éxito

resume.holidays.confirmRegisterHolidaysRequest = Confirmación de
    petición de vacaciones
resume.holidays.findHolidaysProfile = Búsqueda de perfil de vacaciones
resume.holidays.findHolidaysRequest = Búsqueda de solicitud de
    vacaciones (y días de permiso)
resume.holidays.findHolidaysRequest.administrator = Búsqueda de
    solicitud de vacaciones (y días de permiso)
resume.holidays.findHolidaysRequestResult = Resultado de búsqueda de
    solicitud de vacaciones (y permisos)
resume.holidays.findHolidaysRequestResult.print = Resultado de
    búsqueda de solicitud de vacaciones (y permisos)
resume.holidays.findHolidaysService = Búsqueda de servicio de
    vacaciones
resume.holidays.findHolidaysServiceResult = Resultado de búsqueda de
    servicio de vacaciones
resume.holidays.findHolidaysServiceResult.print = Resultado de
    búsqueda de servicio de vacaciones
resume.holidays.mainPage = Página principal del servicio de solicitud
    de vacaciones y días de permiso
resume.holidays.registerHolidaysRequest = Formulario de registro de
    petición de vacaciones

```

---

```
resume.holidays.registerHolidaysRequest.printForm = Solicitud de
vacaciones (y días de permiso)
resume.holidays.registerHolidaysService = Formulario de registro de
servicio de vacaciones
resume.holidays.updateHolidaysService = Formulario de actualización de
servicio de vacaciones
resume.holidays.registerHolidaysService.printForm = Solicitud de
servicio de vacaciones
resume.holidays.viewHolidaysProfile = Perfil de vacaciones
resume.holidays.viewHolidaysProfile.print = Perfil de vacaciones
resume.holidays.viewHolidaysRequest = Solicitud de vacaciones (o
permisos)
resume.holidays.viewHolidaysRequest.print = Solicitud de vacaciones (o
permisos)

resume.userProfile.changePassword = Formulario de cambio de contraseña
resume.userProfile.changePhone = Formulario de cambio de teléfono
resume.userProfile.findUser = Formulario de búsqueda de usuario
resume.userProfile.findUserResult = Resultado de búsqueda de usuario
resume.userProfile.findUserResult.print = Resultado de búsqueda de
usuario
resume.userProfile.givePassword = Formulario de nueva contraseña
resume.userProfile.givePhone = Formulario de nuevo número de teléfono
resume.userProfile.login = Formulario de autenticación
resume.userProfile.loginAsUser = Cambio de usuario
resume.userProfile.mainPage = Página principal del servicio de perfil
de usuario
resume.userProfile.registerUser = Formulario de registro de usuario
resume.userProfile.registerUser.printForm = Solicitud de registro de
usuario
resume.userProfile.update = Formulario de actualización de perfil de
usuario
resume.userProfile.update.administrator = Formulario de actualización
de perfil de usuario
resume.userProfile.view = Perfil de usuario
resume.userProfile.view.print = Perfil de usuario

resume.utilities.mainPage = Utilidades

#TITLE
title.administratorRequired = Error Administrador
title.internalError = Error Interno
title.mainPage = Página principal
title.success = Operación con éxito

title.holidays.confirmRegisterHolidaysRequest = Confirmación de
petición de vacaciones
title.holidays.findHolidaysProfile = Búsqueda de perfil de vacaciones
title.holidays.findHolidaysRequest = Búsqueda de solicitud de
vacaciones (y días de permiso)
title.holidays.findHolidaysRequest.administrator = Búsqueda de
solicitud de vacaciones (y días de permiso) (Administrador)
title.holidays.findHolidaysRequestResult = Resultado de búsqueda de
solicitud de vacaciones (y permisos)
```

title.holidays.findHolidaysRequestResult.print = Resultado de búsqueda de solicitud de vacaciones (y permisos) (Vista impresión)  
title.holidays.findHolidaysService = Búsqueda de servicio de vacaciones  
title.holidays.findHolidaysServiceResult = Resultado de búsqueda de servicio de vacaciones  
title.holidays.findHolidaysServiceResult.print = Resultado de búsqueda de servicio de vacaciones (Vista impresión)  
title.holidays.mainPage = Servicio de solicitud de vacaciones y permisos  
title.holidays.registerHolidaysRequest = Registro de petición de vacaciones  
title.holidays.registerHolidaysRequest.printForm = Formulario de solicitud de vacaciones (y días de permiso)  
title.holidays.registerHolidaysService = Registro de servicio de vacaciones  
title.holidays.registerHolidaysService.printForm = Formulario de solicitud de servicio de vacaciones  
title.holidays.updateHolidaysService = Actualización de servicio de vacaciones  
title.holidays.viewHolidaysProfile = Perfil de vacaciones  
title.holidays.viewHolidaysProfile.print = Perfil de vacaciones (Vista impresión)  
title.holidays.viewHolidaysRequest = Solicitud de vacaciones (o permisos)  
title.holidays.viewHolidaysRequest.print = Solicitud de vacaciones (o permisos) (Vista impresión)

title.userProfile.changePassword = Cambio de contraseña  
title.userProfile.changePhone = Cambio de teléfono  
title.userProfile.findUser = Búsqueda de usuario  
title.userProfile.findUserResult = Resultado de búsqueda de usuario  
title.userProfile.findUserResult.print = Resultado de búsqueda de usuario (Vista impresión)  
title.userProfile.givePassword = Nueva contraseña  
title.userProfile.givePhone = Nuevo número de teléfono  
title.userProfile.login = Autenticación  
title.userProfile.loginAsUser = Cambio de usuario  
title.userProfile.mainPage = Servicio de perfil de usuario  
title.userProfile.registerUser = Registro de usuario  
title.userProfile.registerUser.printForm = Formulario de registro de usuario  
title.userProfile.update = Actualización de perfil de usuario  
title.userProfile.update.administrator = Actualización de perfil de usuario (Administrador)  
title.userProfile.view = Perfil de usuario  
title.userProfile.view.print = Perfil de usuario (Vista impresión)

title.utilities.mainPage = Utilidades

### *10.5.8 Código de ampliación para ofrecer servicios vía sms*

#### *10.5.8.1 Adición de elementos en controlador y vista para la inclusión del servicio de notificación de tramitación de solicitud de vacaciones y la realización de operaciones vía SMS*

Incluimos a continuación las nuevas estructuras.

Estructura de directorios

```
/WEB-INF
|--- CustomTags
|           |- mytag.tld
|--- kannel
|           |- appssms.config
```

Páginas jsp

```
/HTML
|- SendReport.jsp
|- kannel.jsp
|- kannel_error.jsp
|- smsSuccessPage.jsp
|- smsInputPage.jsp
|- HelpSmsPage.jsp
|
|--- layout
|           |- smsTemplate.jsp
```

Fuentes

```
apps.http.controller
```

---

```
|--- sms
|   | - SmsManager
|   | - SmsVO
|--- actions
|   |--- sms
|       | - SendSmsAction
|       |--- userprofile
|           | - SmsChangePhoneAction
|       |--- holidaysservice
|           | - SmsRegisterHolidaysRequestAction
|           | - SmsCancelHolidaysRequestAction
|           | - SmsEditUserHolidaysRequestAction
|           | - SmsEditPeriodHolidaysRequestAction

application.http.view.customtags
|- PrepareSmsCustomTag

application.util.controller.struts
|- SmsDefaultAction
```

#### 10.5.8.1.a Capa controlador

##### 10.5.8.1.a.1 [application.http.controller.sms](#)

Se crea este paquete para el control de recepción y envíos de mensajes cortos.

#### **SmsManager**

```
package application.http.controller.sms;

import javax.servlet.http.HttpSession;
import javax.servlet.http.HttpServletRequest;
import java.util.Collection;
import java.util.Calendar;

import application.model.userprofileservice.facade.delegate.
UserProfileServiceFacade;
import application.model.userprofileservice.facade.delegate.
UserProfileServiceFacadeFactory;

import application.model.holidaysrequestservice.facade.delegate.
HolidaysRequestServiceFacade;
import application.model.holidaysrequestservice.facade.delegate.
HolidaysRequestServiceFacadeFactory;
```

---

```
import application.util.exceptions.DuplicateInstanceException;
import application.util.exceptions.IncorrectPasswordException;
import application.util.exceptions.InstanceNotFoundException;
import application.util.exceptions.InternalErrorException;
import application.util.exceptions.OperationNotAllowedException;

import application.http.controller.sms.SmsVO;

import
application.model.holidaysrequestservice.facade.vo.HolidaysProfileVO;

import application.model.holidaysrequestservice.vo.holidaysrequest.
HolidaysRequestVO;

import org.apache.struts.action.ActionMessages;
import org.apache.struts.action.ActionMessage;

/**
 * This class provides services por recieving and sending SMS with
 * HTTP request.
 */
public final class SmsManager {

    /** Creates a new instance of SendSmsManager */
    private SmsManager() {}

    public final static String SMS = "smss";

    /**
     * This method stores all SMS to send in "smss" session attribute.
     * "smss" will contein a collection of SmsVO objects.
     * @param request
     * @param smss
     * @throws application.util.exceptions.InternalErrorException
     */
    public final static void storeSmsToSend(
        HttpServletRequest request, Collection<SmsVO> smss) throws
        InternalErrorException {

        try {

            HttpSession session = request.getSession(true);
            session.setAttribute(SMS, smss);

        } catch (Exception e) {
            throw new InternalErrorException(e);
        }
    }

    /**
     * Gets all SMS stored in "smss" session attribute and deletes
     * them.
     * @param request
     * @throws application.util.exceptions.InternalErrorException
     * @return all SMS as a SmsVO Collection.
     */
}
```

---

```
public final static Collection<SmsVO> getStoredSms(
    HttpServletRequest request) throws
    InternalErrorException {

    try {

        HttpSession session = request.getSession(true);
        Collection<SmsVO> smsVOs = (Collection<SmsVO>)
            session.getAttribute(SMS);

        session.removeAttribute(SMS);

        return smsVOs;

    } catch (Exception e) {
        throw new InternalErrorException(e);
    }
}

//
// RECIEVE SMS OPERATION
//-----

/**
 * Changes user phone and, if there are errors, adds them in
 * ActionMessage Object.
 * @param errors
 * @param loginName
 * @param password
 * @param phone
 * @throws application.util.exceptions.InternalErrorException
 */
public final static void changePhone(ActionMessages errors, String
    loginName, String password,
    String phone) throws InternalErrorException {

    try {
        UserProfileServiceFacade userProfileServiceFacade =
            getUserProfileServiceFacade();
        userProfileServiceFacade.login(loginName, password,
            false);

        userProfileServiceFacade.changePhone(password, phone,
            false);

    } catch (InstanceNotFoundException e) {
        errors.add("loginName", new ActionMessage(
            "errorsMessage.notFound.loginName"));
    } catch (IncorrectPasswordException e) {
        errors.add("password", new ActionMessage(
            "errorsMessage.incorrect.password"));
    }
}

/**
 * Registers user holidays requests and, if there are errors, adds
```

---



---

```
* them in ActionMessage Object.
* @return auto generated request identifier.
* @param errors
* @param loginName
* @param password
* @param startDate
* @param finalDate
* @param details
* @throws application.util.exceptions.InternalErrorException
*/
public final static Integer registerHolidaysRequest(ActionMessages
    errors, String loginName, String password,
    Calendar startDate, Calendar finalDate, String details)
    throws InternalErrorException {

    Integer autoId = null;

    try {
        UserProfileServiceFacade userProfileServiceFacade =
            getUserProfileServiceFacade();
        userProfileServiceFacade.login(loginName, password,
            false);

        HolidaysRequestServiceFacade holidaysRequestServiceFacade
            = getHolidaysRequestServiceFacade();
        holidaysRequestServiceFacade.initHolidaysRequestService(
            userProfileServiceFacade);

        try{
            autoId =
                holidaysRequestServiceFacade.registerHolidaysRequest(
                    startDate, finalDate, details);

        } catch (InstanceNotFoundException e) {
            errors.add("startDate", new
                ActionMessage("errorsMessage.serviceNotAvaliable"));
        } catch (DuplicateInstanceException e) {
            errors.add("startDate", new
                ActionMessage("errorsMessage.requestAlreadyExist"));
        }

        } catch (InstanceNotFoundException e) {
            errors.add("loginName", new ActionMessage(
                "errorsMessage.notFound.loginName"));
        } catch (IncorrectPasswordException e) {
            errors.add("password", new ActionMessage(
                "errorsMessage.incorrect.password"));
        }

        }

    return autoId;
}

/**
 * Cancels user holidays requests and, if there are errors, adds
 * them in ActionMessage Object.
 * @param errors
```

---

---

```
* @param loginName
* @param password
* @param autoId
* @throws application.util.exceptions.InternalErrorException
*/
public final static void cancelHolidaysRequest(ActionMessages
errors, String loginName, String password,
Integer autoId) throws InternalErrorException {

    try {

        UserProfileServiceFacade userProfileServiceFacade =
getUserProfileServiceFacade();
        userProfileServiceFacade.login(loginName, password,
false);
        HolidaysRequestServiceFacade holidaysRequestServiceFacade
= getHolidaysRequestServiceFacade();
        holidaysRequestServiceFacade.initHolidaysRequestService(
userProfileServiceFacade);

        try{

            holidaysRequestServiceFacade.cancelHolidaysRequest(autoId);

            } catch (InstanceNotFoundException e) {
                errors.add("autoId", new
                ActionMessage("errorsMessage.notFound.autoId"));
            } catch (OperationNotAllowedException e) {
                errors.add("autoId", new
                ActionMessage("errorsMessage.operationNotAllowed"));
            }

        } catch (InstanceNotFoundException e) {
            errors.add("loginName", new ActionMessage(
                "errorsMessage.notFound.loginName"));
        } catch (IncorrectPasswordException e) {
            errors.add("password", new ActionMessage(
                "errorsMessage.incorrect.password"));
        }

    }

}

/**
 * Finds user holidays requests and, if there are errors, adds
 * them in ActionMessage Object.
 * @return holidays request in a HolidaysRequestVO.
 * @param errors
 * @param loginName
 * @param password
 * @param autoId
 * @throws application.util.exceptions.InternalErrorException
 */
public final static HolidaysRequestVO findUserHolidaysRequest(
ActionMessages errors, String loginName, String password,
Integer autoId) throws InternalErrorException {
```

---

```
HolidaysRequestVO holidaysRequestVO = null;

try {

    UserProfileServiceFacade userProfileServiceFacade =
        getUserProfileServiceFacade();
    userProfileServiceFacade.login(loginName, password,
        false);

    HolidaysRequestServiceFacade holidaysRequestServiceFacade
        = getHolidaysRequestServiceFacade();

    holidaysRequestServiceFacade.initHolidaysRequestService(
        userProfileServiceFacade);

    try{
        holidaysRequestVO =
        holidaysRequestServiceFacade.findUserIdHolidaysRequest(autoId);
    } catch (InstanceNotFoundException e) {
        errors.add("autoId", new
        ActionMessage("errorsMessage.notFound.autoId"));
    }

    } catch (InstanceNotFoundException e) {
        errors.add("loginName", new
        ActionMessage("errorsMessage.notFound.loginName"));
    } catch (IncorrectPasswordException e) {
        errors.add("password", new
        ActionMessage("errorsMessage.incorrect.password"));
    }

    return holidaysRequestVO;
}

/**
 * Finds user holidays profile and, if there are errors, adds them
 * in ActionMessage Object.
 * @return holidays profile in a HolidaysProfileVO.
 * @param errors
 * @param loginName
 * @param password
 * @param period
 * @throws application.util.exceptions.InternalErrorException
 */
public final static HolidaysProfileVO findHolidaysProfile(
    ActionMessages errors, String loginName, String password,
    Calendar period) throws InternalErrorException {

    HolidaysProfileVO holidaysProfileVO = null;

    try {

        UserProfileServiceFacade userProfileServiceFacade =
            getUserProfileServiceFacade();
```

---

```
        userProfileServiceFacade.login(loginName, password,
false);

        HolidaysRequestServiceFacade holidaysRequestServiceFacade
            = getHolidaysRequestServiceFacade();

        holidaysRequestServiceFacade.initHolidaysRequestService(
            userProfileServiceFacade);

        try{
            holidaysProfileVO =
holidaysRequestServiceFacade.findHolidaysProfilePeriod(period);
        } catch (InstanceNotFoundException e) {
            errors.add("period", new
                ActionMessage("errorsMessage.serviceNotAvaliable"));
        }

        } catch (InstanceNotFoundException e) {
            errors.add("loginName", new
                ActionMessage("errorsMessage.notFound.loginName"));
        } catch (IncorrectPasswordException e) {
            errors.add("password", new
                ActionMessage("errorsMessage.incorrect.password"));
        }

        return holidaysProfileVO;
    }

    /* Gets user profile service façade. */
    private final static UserProfileServiceFacade
        getUserProfileServiceFacade() throws
            InternalErrorException {

        UserProfileServiceFacade userProfileServiceFacade =
            UserProfileServiceFacadeFactory.getFacade();
        return userProfileServiceFacade;
    }

    /* Gets user holidays request service façade. */
    private final static HolidaysRequestServiceFacade
        getHolidaysRequestServiceFacade() throws
            InternalErrorException {

        HolidaysRequestServiceFacade holidaysRequestServiceFacade =
            HolidaysRequestServiceFacadeFactory.getFacade();
        return holidaysRequestServiceFacade;
    }

    //
    // SEND SMS REPORT
    //-----

    /**
     * Creates holidays request committing report SMS.
```

---

```
* @param request
* @param phone
* @param autoId
* @param state
* @throws application.util.exceptions.InternalErrorException
* @return
*/
public final static SmsVO reportUpdateHolidaysRequest(
    HttpServletRequest request,
    String phone, Integer autoId, Short state) throws
    InternalErrorException {

    String smsBody = "denegada";
    if(Short.valueOf("1").equals(state)){
        smsBody = "aceptada";
    }
    SmsVO smsVO = new SmsVO(phone, "Solicitud de vacaciones
    "+autoId+": "+smsBody+".");

    return smsVO;
}
}
```

### **SmsVO**

```
package application.http.controller.sms;

import java.io.Serializable;

/**
 * This class is used for sms service.
 */
public class SmsVO implements Serializable {

    /**
     * Hold values of properties.
     */
    private String smsTo;
    private String smsBody;

    /**
     * Construct VO with phone and body.
     */
    public SmsVO(String smsTo, String smsBody) {

        this.smsTo = smsTo;
        this.smsBody = smsBody;
    }

    /**
     * Returns phone.
     * @return phone.
     */
}
```

---

```
    */
    public String getSmsTo() {
        return smsTo;
    }

    /**
     * Returns body.
     * @return body.
     */
    public String getSmsBody() {
        return smsBody;
    }

    /**
     * Returns a <CODE>String</CODE> object representing this VO's
     * value. Useful for debugging.
     * @return a string representation of this object.
     */
    public String toString(){
        return new String("smsTo = " + smsTo + " | smsBody = " +
            smsBody);
    }
}
```

#### 10.5.8.1.a.2 [application.http.controller.actions.sms](#)

Acciones generales para envío de SMS.

#### **SendSmsAction**

```
package application.http.controller.actions.sms;

import java.io.IOException;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.ServletException;

import org.apache.struts.action.ActionMapping;
import org.apache.struts.action.ActionForm;
import org.apache.struts.action.ActionForward;

import application.util.exceptions.AdministratorRequiredException;
import application.util.exceptions.InternalErrorException;

import org.apache.struts.validator.DynaValidatorForm;

import application.util.controller.struts.AdministratorDefaultAction;
```

---

---

```
import application.http.controller.sms.SmsManager;

/**
 * Send sms action allows to get all SMS stored in session for sending
 * them. Administrator required.
 * @return "sendSms" or "dontSendSms" depending on "sendSms" form
 * attribute value.
 */
public class SendSmsAction extends AdministratorDefaultAction {

    /**
     *
     * @param mapping
     * @param form
     * @param request
     * @param response
     * @throws java.io.IOException
     * @throws javax.servlet.ServletException
     * @throws application.util.exceptions.InternalErrorException
     * @return
     */
    public ActionForward doExecute(ActionMapping mapping,
        ActionForm form, HttpServletRequest request,
        HttpServletResponse response)
        throws IOException, ServletException,
        InternalErrorException {

        DynaValidatorForm sendSmsForm = (DynaValidatorForm) form;

        Boolean sendsms = (Boolean) sendSmsForm.get("sendSms");

        if (sendsms == null){
            sendsms = true;
        }

        request.setAttribute("smss",
            SmsManager.getStoredSms(request));

        if (sendsms) {
            return mapping.findForward("SendSmsAction");
        } else {

            return mapping.findForward("DontSendSmsAction");
        }
    }
}
```

#### 10.5.8.1.a.3 [application.http.controller.actions.sms.userprofile](#)

Creación de acciones para la realización de operaciones de perfil de usuario vía SMS.

**SmsChangePhoneAction**

```
package application.http.controller.actions.sms.userprofile;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import org.apache.struts.action.ActionMessages;
import org.apache.struts.action.ActionMessage;
import org.apache.struts.action.ActionForm;
import org.apache.struts.action.ActionForward;
import org.apache.struts.action.ActionMapping;

import org.apache.struts.validator.DynaValidatorForm;

import application.http.controller.sms.SmsManager;

import application.util.exceptions.InternalErrorException;

import application.util.controller.struts.SmsDefaultAction;

/**
 * Sms change phone action changes user contact details using sms.
 * SETPHONE value is saved in "action" request attribute.
 * @return "smsChangePhoneAction" forward if no errors and input if
 * errors.
 */
public class SmsChangePhoneAction extends SmsDefaultAction {

    /**
     *
     * @param mapping
     * @param form
     * @param request
     * @param response
     * @throws java.io.IOException
     * @throws javax.servlet.ServletException
     * @throws application.util.exceptions.InternalErrorException
     * @return
     */
    public ActionForward doExecute(ActionMapping mapping, ActionForm
    form, HttpServletRequest request, HttpServletResponse
    response) throws IOException, ServletException,
    InternalErrorException {

        /* Gets data. */
        DynaValidatorForm smsChangePhoneForm = (DynaValidatorForm)
        form;
```



```
String loginName = (String)
smsChangePhoneForm.get("loginName");
String password = (String) smsChangePhoneForm.get("password");
String phone = (String) smsChangePhoneForm.get("phone");

/* Prepares errors to catch. */
ActionMessages errors = new ActionMessages();

SmsManager.changePhone(errors, loginName, password, phone);
request.setAttribute("action", "SETPHONE");

/* Returns ActionForward. */
if (errors.isEmpty()) {
    return mapping.findForward("smsChangePhoneAction");
} else {
    saveErrors(request, errors);
    return new ActionForward(mapping.getInput());
}
}
```

#### 10.5.8.1.a.4 application.http.controller.actions.sms.holidayservice

Creación de acciones para la realización de operaciones de solicitud de vacaciones via SMS.

#### **SmsRegisterHolidaysRequestAction**

```
package application.http.controller.actions.sms.holidayservice;

import java.io.IOException;

import java.util.Calendar;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.ServletException;

import org.apache.struts.action.ActionMapping;
import org.apache.struts.action.ActionForm;
import org.apache.struts.action.ActionForward;
import org.apache.struts.action.ActionMessages;
import org.apache.struts.action.ActionMessage;

import application.util.exceptions.InternalErrorException;

import application.http.controller.sms.SmsManager;

import application.util.controller.struts.SmsDefaultAction;

import org.apache.struts.validator.DynaValidatorActionForm;
```

---

---

```
/**
 * Sms register holidays request allows register a new holidays
 * request using sms.
 * HREQUEST value is saved in "action" request attribute. Also auto
 * generated id is saved in request as "autoId" request attribute.
 * @return If no errors returns "smsRegisterHolidaysRequestAction"
 * forward. If errors, returns input.
 */
public class SmsRegisterHolidaysRequestAction extends SmsDefaultAction
{

    /**
     *
     * @param mapping
     * @param form
     * @param request
     * @param response
     * @throws java.io.IOException
     * @throws javax.servlet.ServletException
     * @throws application.util.exceptions.InternalErrorException
     * @return
     */
    public ActionForward doExecute(ActionMapping mapping,
        ActionForm form, HttpServletRequest request,
        HttpServletResponse response)
        throws IOException, ServletException,
        InternalErrorException {

        /* Gets data. */
        DynaValidatorActionForm smsHolidaysRequestForm =
            (DynaValidatorActionForm) form;

        String loginName = (String)
            smsHolidaysRequestForm.get("loginName");
        String password = (String)
            smsHolidaysRequestForm.get("password");
        String startDate = (String)
            smsHolidaysRequestForm.get("startDate");
        String finalDate = (String)
            smsHolidaysRequestForm.get("finalDate");
        String details = (String)
            smsHolidaysRequestForm.get("details");

        String[] startDateFormatted = startDate.split("-");
        String[] finalDateFormatted = finalDate.split("-");

        Calendar date1 = Calendar.getInstance();
        date1.clear();
        date1.set(Integer.parseInt(startDateFormatted[2]),
            Integer.parseInt(startDateFormatted[1])-1,
            Integer.parseInt(startDateFormatted[0]));

        Calendar date2 = Calendar.getInstance();
        date2.clear();
        date2.set(Integer.parseInt(finalDateFormatted[2]),
            Integer.parseInt(finalDateFormatted[1])-1,
```

---

```
Integer.parseInt(finalDateFormatted[0]));

    ActionMessages errors = new ActionMessages();

    if(date1.get(Calendar.YEAR) !=
date2.get(Calendar.YEAR)) {
        errors.add("startDate", new
ActionMessage("errorsMessage.notMachingPeriod.holidaysRequest"));
    } else {

        if (date2.before(date1)) {
            errors.add("startDate", new
ActionMessage("errorsMessage.incorrect.holidaysrequest"));
        }

    }

    Integer autoId =
SmsManager.registerHolidaysRequest(errors, loginName,
password, date1, date2, details);
    request.setAttribute("autoId", autoId);
    request.setAttribute("action", "HREQUEST");

    if (errors.isEmpty()) {
        return
mapping.findForward("smsRegisterHolidaysRequestAction");
    } else {
        saveErrors(request, errors);
        return new ActionForward(mapping.getInput());
    }
}
}
```

### **SmsCancelHolidaysRequestAction**

```
package application.http.controller.actions.sms.holidayservice;

import java.io.IOException;

import java.util.Calendar;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import org.apache.struts.action.ActionMessages;
import org.apache.struts.action.ActionMessage;
import org.apache.struts.action.ActionForm;
```

---

```
import org.apache.struts.action.ActionForward;
import org.apache.struts.action.ActionMapping;

import org.apache.struts.validator.DynaValidatorActionForm;

import application.http.controller.sms.SmsManager;

import application.util.exceptions.InternalErrorException;

import application.util.controller.struts.SmsDefaultAction;

/**
 * Sms cancel holidays request action allows an user to cancel his
 * requests using sms.
 * HRCANCEL value is saved in "action" request attribute.
 * @return "smsCancelHolidaysRequestAction" forward if no errors and
 * input if errors.
 */
public class SmsCancelHolidaysRequestAction extends SmsDefaultAction {

    /**
     *
     * @param mapping
     * @param form
     * @param request
     * @param response
     * @throws java.io.IOException
     * @throws javax.servlet.ServletException
     * @throws application.util.exceptions.InternalErrorException
     * @return
     */
    public ActionForward doExecute(ActionMapping mapping, ActionForm
    form, HttpServletRequest request, HttpServletResponse
    response) throws
        IOException, ServletException, InternalErrorException {

        /* Gets data. */
        DynaValidatorActionForm smsHolidaysRequestForm =
        (DynaValidatorActionForm) form;

        String loginName = (String)
        smsHolidaysRequestForm.get("loginName");
        String password = (String)
        smsHolidaysRequestForm.get("password");
        String autoId = (String) smsHolidaysRequestForm.get("autoId");

        ActionMessages errors = new ActionMessages();

        SmsManager.cancelHolidaysRequest(errors, loginName, password,
        Integer.valueOf(autoId));
        request.setAttribute("action", "HRCANCEL");
        /* Return ActionForward. */

        if (errors.isEmpty()) {
            return
            mapping.findForward("smsCancelHolidaysRequestAction");
        }
    }
}
```

---

```
        } else {
            saveErrors(request, errors);
            return new ActionForward(mapping.getInput());
        }
    }
}
```

### **SmsEditUserHolidaysRequestAction**

```
package application.http.controller.actions.sms.holidayservice;

import java.io.IOException;

import java.util.Calendar;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import org.apache.struts.action.ActionMessages;
import org.apache.struts.action.ActionMessage;
import org.apache.struts.action.ActionForm;
import org.apache.struts.action.ActionForward;
import org.apache.struts.action.ActionMapping;

import org.apache.struts.validator.DynaValidatorActionForm;

import application.model.holidaysrequestservice.vo.holidaysrequest.
HolidaysRequestVO;

import application.http.controller.sms.SmsManager;

import application.util.controller.struts.SmsDefaultAction;

import application.util.exceptions.InternalErrorException;

/**
 * Sms edit user holidays request action prepares holidays request
 * data.
 * This action saved HolidaysRequestVO result in "holidaysRequest"
 * request attribute. Also saves HRVIEW value as "action" request
 * attribute as well as "formattedStartDate" and "formattedFinalDate".
 * @return "smsEditHolidaysRequestAction" forward if no errors, and
 * input if errors.
 */
public class SmsEditUserHolidaysRequestAction extends SmsDefaultAction
{
```

---

```
/**
 *
 * @param mapping
 * @param form
 * @param request
 * @param response
 * @throws java.io.IOException
 * @throws javax.servlet.ServletException
 * @throws application.util.exceptions.InternalErrorException
 * @return
 */
public ActionForward doExecute(ActionMapping mapping, ActionForm
form, HttpServletRequest request, HttpServletResponse
response) throws IOException, ServletException,
InternalErrorException {

    /* Gets data from form. */
    DynaValidatorActionForm smsHolidaysRequestForm =
        (DynaValidatorActionForm) form;

    String loginName = (String)
smsHolidaysRequestForm.get("loginName");
    String password = (String)
smsHolidaysRequestForm.get("password");
    String autoId = (String) smsHolidaysRequestForm.get("autoId");

    ActionMessages errors = new ActionMessages();

    HolidaysRequestVO holidaysRequestVO =
        SmsManager.findUserHolidaysRequest(errors,
            loginName, password, Integer.valueOf(autoId));

    Calendar startDate = holidaysRequestVO.getStartDate();
    Calendar finalDate = holidaysRequestVO.getFinalDate();

    request.setAttribute("holidaysRequest", holidaysRequestVO);

    /* Avoiding wrong format in sms. */
    request.setAttribute("formattedStartDate",
startDate.get(Calendar.DAY_OF_MONTH)+"-
"+(startDate.get(Calendar.MONTH)+1)+"-
"+startDate.get(Calendar.YEAR));
        request.setAttribute("formattedFinalDate",
finalDate.get(Calendar.DAY_OF_MONTH)+"-
"+(finalDate.get(Calendar.MONTH)+1)+"-
"+finalDate.get(Calendar.YEAR));

    request.setAttribute("action", "HRVIEW");

    if (errors.isEmpty()) {
        return new
ActionForward(mapping.findForward("smsEditHolidaysRequestAction"));
    } else {
        saveErrors(request, errors);
        return new ActionForward(mapping.getInput());
    }
}
```

---

```
}  
}
```

### *SmsEditUserPeriodHolidaysRequestAction*

```
package application.http.controller.actions.sms.holidayservice;  
  
import java.io.IOException;  
  
import java.util.Calendar;  
  
import javax.servlet.ServletException;  
  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;  
  
import org.apache.struts.action.ActionMessages;  
import org.apache.struts.action.ActionMessage;  
import org.apache.struts.action.ActionForm;  
import org.apache.struts.action.ActionForward;  
import org.apache.struts.action.ActionMapping;  
  
import org.apache.struts.validator.DynaValidatorActionForm;  
  
import  
application.model.holidaysrequestservice.facade.vo.HolidaysProfileVO;  
  
import application.http.controller.sms.SmsManager;  
  
import application.util.controller.struts.SmsDefaultAction;  
  
import application.util.exceptions.InternalErrorException;  
  
/**  
 * Sms edit user period holidays profile action prepares holidays  
 * profile data for an user and period given.  
 * This action saved HolidaysProfileVO result in "holidaysProfile"  
 * request attribute. Also saves HPVVIEW value as "action" request  
 * attribute as well as "formattedPeriod".  
 * @return "smsEditUserPeriodHolidaysProfileAction" forward if no  
 * errors, and input if errors.  
 */  
public class SmsEditUserPeriodHolidaysProfileAction extends  
    SmsDefaultAction {  
  
    /**  
     *  
     * @param mapping  
     * @param form  
     * @param request  
     * @param response  
     * @throws java.io.IOException
```

```
* @throws javax.servlet.ServletException
* @throws application.util.exceptions.InternalErrorException
* @return
*/
public ActionForward doExecute(ActionMapping mapping, ActionForm
form, HttpServletRequest request, HttpServletResponse
response) throws
    IOException, ServletException, InternalErrorException {

    /* Gets data from form. */
    DynaValidatorActionForm smsHolidaysProfileForm =
        (DynaValidatorActionForm) form;

    String loginName = (String)
smsHolidaysProfileForm.get("loginName");
    String password = (String)
smsHolidaysProfileForm.get("password");
    String period = (String) smsHolidaysProfileForm.get("period");

    Calendar periodParsed = Calendar.getInstance();
    periodParsed.clear();
    periodParsed.set(Calendar.YEAR, Integer.parseInt(period));

    ActionMessages errors = new ActionMessages();

    HolidaysProfileVO holidaysProfileVO =
        SmsManager.findHolidaysProfile(errors, loginName,
            password, periodParsed);

    request.setAttribute("holidaysProfile", holidaysProfileVO);

    /* Avoiding wrong format in sms.*/
    request.setAttribute("formattedPeriod",
holidaysProfileVO.getPeriod().get(Calendar.YEAR));

    request.setAttribute("action", "HPVIEW");

    if (errors.isEmpty()) {
        return new ActionForward(mapping.findForward("
            smsEditUserPeriodHolidaysProfileAction"));
    } else {
        saveErrors(request, errors);
        return new ActionForward(mapping.getInput());
    }
}
}
```

#### 10.5.8.1.b Utilidades



10.5.8.1.b.1 application.util.controller.struts

Se añade la clase base para la acciones tipo SMS.

**SmsDefaultAction**

```
package application.util.controller.struts;

import java.io.IOException;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import javax.servlet.ServletContext;
import javax.servlet.ServletException;

import org.apache.struts.action.Action;
import org.apache.struts.action.ActionForm;
import org.apache.struts.action.ActionForward;
import org.apache.struts.action.ActionMapping;

import application.util.exceptions.InternalErrorException;

/**
 * A base Action to facilitate the implementation of web applications
 * using Struts. It provides a default implementation of execute that
 * calls on the abstract method doExecute.
 */
public abstract class SmsDefaultAction extends Action {

    /**
     * A default implementation of Execute that calls on the abstract
     * method doExecute. Currently its responsibilities are as
     * follows:
     * It catches InternalErrorException (thrown by doExecute
     * and calls on the protected method doOnInternalErrorException.
     */
    public ActionForward execute(ActionMapping mapping, ActionForm
        form, HttpServletRequest request, HttpServletResponse
        response) throws IOException, ServletException {

        try {
            return doExecute(mapping, form, request, response);
        } catch (InternalErrorException e) {
            return doOnInternalErrorException(mapping, form, request,
                response, e);
        }
    }

    protected abstract ActionForward doExecute(ActionMapping mapping,
        ActionForm form, HttpServletRequest request,
```

---

```
        HttpServletResponse response) throws IOException,
        ServletException, InternalErrorException;

/**
 * Treats an InternalErrorException thrown by doExecute. In
 * particular, it works as follows:
 * Logs the <InternalErrorException.
 * Returns the ActionForward returned by
 * mapping.findForward("smsInternalError").
 */
protected ActionForward doOnInternalErrorException( ActionMapping
mapping, ActionForm form, HttpServletRequest request,
        HttpServletResponse response,
        InternalErrorException internalErrorException) throws
IOException, ServletException {

    /* Log error, even with debug level <= 0, because it is a
    * severe error.
    */

    ServletContext servletContext =
        servlet.getServletConfig().getServletContext();
    servletContext.log(internalErrorException.getMessage(),
        internalErrorException);

    /* Redirect to input page. */
    return mapping.findForward("smsInternalErrorPage");
}
}
```

#### 10.5.8.1.c Vista(Java)

Se crea Custom Tag (etiqueta personalizada) para dar el correcto formato para su envío con la plataforma KANNEL.

##### 10.5.8.1.c.1 [application.http.view.customtags](#)

#### **PrepareSmsCustomTag**

```
package application.http.view.customtags;

import java.io.IOException;

import javax.servlet.http.HttpServletRequest;
```

---

```
import javax.servlet.jsp.tagext.TagSupport;
import javax.servlet.jsp.JspException;
import javax.servlet.jsp.JspWriter;

public class PrepareSmsCustomTag extends TagSupport{

    /* if action value and compare value are the same outvar is
    * created and text is shown.*/
    private String action;
    private String compare;
    private String text;

    /* outvar stores formatted text. */
    private String outvar;

    public void setAction(String action){
        this.action = action;
    }

    public void setCompare(String compare){
        this.compare = compare;
    }

    public void setText(String text){
        this.text = text;
    }

    public void setOutvar(String outvar){
        this.outvar = outvar;
    }

    public int doStartTag() throws JspException {

        try{
            if(compare.equals(action)){
                JspWriter out = pageContext.getOut();
                out.print(text);
                String formattedText = text.replace(" ", "+");
                pageContext.setAttribute(outvar, formattedText);
            }

            return SKIP_BODY;

        }catch (Exception e) {
            throw new JspException("Error");}
    }
}
```

#### 10.5.8.1.d Vista(JSP)

##### 10.5.8.1.d.1 Servicio de notificación

---

---

**HTML/SendReport.jsp**

```
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<html:form action="/Auth/Adm/SendReport.do">

<fieldset>

<div class="row" style="padding:2em"><fmt:message
key="sendReport.option"/></div>
<div class="row"><span style="padding:1em; font-style:italic">
<html:radio property="sendSms" value="true"/><fmt:message
key="default.yes"/></span>
<span style="padding:1em; font-style:italic">
<html:radio property="sendSms" value="false"/><fmt:message
key="default.no"/></span></div>

<div class="row" style="padding:2em"><span class="button"><html:submit
><fmt:message key="buttons.accept"/></html:submit></span></div>

</fieldset>

</html:form>
```

**HTML/kannel.jsp**

```
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="bean" uri="http://struts.apache.org/tags-bean"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<!-- Uses Custom tags -->
<%@taglib prefix="my" uri="/mytags.tld" %>

<%@page errorPage="/HTML/kannel_error.jsp"%>

<blockquote>
<fmt:message key="success.content"/>

<c:choose> <c:when test="${empty requestScope.smss}">
<div class="row">No hay mensajes para enviar</div></c:when>

<c:otherwise>

<p><strong><fmt:message key="kannel.report.sms"/> : </strong></p>

<c:forEach var="sms" items="${requestScope.smss}">
```

---

---

```

<p><c:out value="{sms.smsTo}"/> : "<my:prepareSms
action="update.request" compare="update.request" text="{sms.smsBody}"
outvar="out"/>"
<bean:include id="kannel"
href="http://localhost:13013/sendsms?username=kannel&password=kannel&t
o="{sms.smsTo}&text="{out}"/>"
<bean:write name="kannel"/></p>

</c:forEach>

</c:otherwise></c:choose>

<p><b><fmt:message key="kannel.report.serverstatus"/></b> : </p>
<p><bean:include id="status"
href="http://localhost:13000/status.txt"/>"
<bean:write name="status"/></p>
<br><br>
</blockquote>

```

### HTML/kannel\_error.jsp

```

<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>

<%@page isErrorPage="true"%>

<blockquote>
<p><fmt:message key="success.content"/></p>
<p><fmt:message key="kannel.error.smsnotsent"/>. <fmt:message
key="kannel.error.noconnection"/></p><br>
</blockquote>

```

#### 10.5.8.1.d.2 Servicio de operaciones desde SMS

### HTML/layout/smsTemplate.jsp

```

<!-- Struts and JSTL tag libraries. -->
<%@ taglib uri="http://struts.apache.org/tags-tiles" prefix="tiles" %>
<%@ taglib uri="http://java.sun.com/jstl/fmt" prefix="fmt" %>
<!-- Start of HTML. -->
<html>
<!-- HTML header. -->
<!-- For using tiles we define title and resume as attributes. -->
<tiles:useAttribute name="contentAsMessage"/>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-
1">
<title></title>
</head>
<!-- Start of HTML body. -->

```

---

```

<body>
<tiles:get name="content"/><fmt:message
key="${contentAsMessage}"/>::MyApplication::
<body>
</html>

```

### HTML/smsSuccessPage.jsp

```

<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>

<c:if test='${(requestScope.action=="HRCANCEL") ||
(requestScope.action=="SETPHONE)}'>
<fmt:message key="sms.title.success"/></c:if>

<c:if test='${requestScope.action=="HREQUEST'}'>
<fmt:message key="sms.title.success"/>
<fmt:message key="holidaysRequest.autoId"/>:<c:out
value="${requestScope.autoId}"/></c:if>

<c:if test='${requestScope.action=="HRVIEW'}'>
<fmt:message key="sms.id"/>:<c:out
value="${holidaysRequest.autoId}"/>&nbsp;
<fmt:message key="sms.user"/>:<c:out
value="${holidaysRequest.loginName}"/>&nbsp;
<fmt:message key="holidaysRequest.state"/>:<c:out
value="${holidaysRequest.state}"/>&nbsp;
<fmt:message key="sms.since"/>&nbsp;<c:out
value="${requestScope.formattedStartDate}"/>&nbsp;<fmt:message
key="sms.to"/>&nbsp;<c:out
value="${requestScope.formattedFinalDate}"/>&nbsp;
<fmt:message key="sms.workingDays"/>:<c:out
value="${holidaysRequest.workingDays}"/>&nbsp;
Motivo:vacaciones&nbsp;
<fmt:message key="sms.details"/>:<c:out
value="${holidaysRequest.details}"/>. &nbsp;
</c:if>

<c:if test='${requestScope.action=="HPVIEW'}'>
<fmt:message key="sms.user"/>:<c:out
value="${holidaysProfile.loginName}"/>&nbsp;
<fmt:message key="sms.period"/>:<c:out
value="${requestScope.formattedPeriod}"/>&nbsp;
<fmt:message key="sms.holidaysDays"/>:<c:out
value="${holidaysProfile.allDaysOfHolidays}"/>&nbsp;
<fmt:message key="sms.daysLeft"/>:<c:out
value="${holidaysProfile.holidaysLeft}"/>
</c:if>

```

**HTML/smsInputPage.jsp**

```

<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jstl/core" %>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jstl/fmt" %>
<fmt:message key="title.input"/>
<html:errors/>

```

**HTML/HelpSmsPage.jsp**

```

<blockquote style="width:99%">
<p style="text-align:center">COMANDOS SMS PARA REALIZAR OPERACIONES
DESDE EL MÓVIL</p>
<p style="text-align:right;font-size:smaller"><em>Enviar mensaje al
número 610875753</em></p>
<p style="font-size:smaller; font-weight:bolder">SETPHONE loginName
password phone</p>
<p style="font-size:smaller"><em>Actualiza o da valor al número de
teléfono.</em></p>
<p style="font-size:smaller; font-weight:bolder">HREQUEST loginName
password dinicio-minicio-yinicio dfinal-mfinal-yfinal [Details]</p>
<p style="font-size:smaller"><em>Solicitud de días de vacaciones. Las
fechas deben tener formato dd-mm-yyyy. Tanto el día de inicio como
el día de finalización se incluyen en el período solicitado. Si la
operación es realizada correctamente envía el
el número de identificación de la nueva solicitud creada</em></p>
<p style="font-size:smaller; font-weight:bolder">HRCANCEL loginName
password requestId</p>
<p style="font-size:smaller"><em>Cancela una solicitud de vacaciones
realizada por el usuario sólo si esta está aún sin tramitar.</em></p>
<p style="font-size:smaller; font-weight:bolder">HRVIEW loginName
password requestId</p>
<p style="font-size:smaller"><em>Solicita ver detalles de una
solicitud de vacaciones existente perteneciente al usuario.</em></p>
<p style="font-size:smaller; font-weight:bolder">HPVIEW loginName
password periodo</p>
<p style="font-size:smaller"><em>Solicita ver perfil de vacaciones del
usuario del periodo indicado</em></p>
</blockquote>

```

*10.5.8.1.e Librería de etiquetas*

Se crea tld para la utilización de etiqueta de formato de texto de SMS.

(También utilizamos la librería bean de Struts, la cual no utilizamos en la aplicación original.)

**Web-INF/CustomTags/mytag.tld**

---

```
<?xml version="1.0" encoding="ISO-8859-1" ?>

<!DOCTYPE taglib PUBLIC "-//Sun Microsystems, Inc.//DTD JSP Tag
Library 1.1//EN"
"http://java.sun.com/j2ee/dtds/web-jsptaglibrary_1_1.dtd">

<!-- my tag library descriptor -->

<taglib>

  <tlibversion>1.0</tlibversion>
  <jspversion>1.2</jspversion>
  <shortname>my</shortname>
  <uri></uri>
  <info>My tags library</info>

  <tag>
    <name>prepareSms</name>
    <tagclass>application.http.view.customtags.PrepareSmsCustomTag
      </tagclass>
    <bodycontent>empty</bodycontent>
    <info>Prepares text value as sms for Kannel whe action and compare
      value is the same. Sms formatted is stored in outvar value
      parameter.</info>
    <attribute>
      <name>action</name>
      <required>true</required>
    </attribute>
    <attribute>
      <name>compare</name>
      <required>true</required>
      <rtexprvalue>true</rtexprvalue>
    </attribute>
    <attribute>
      <name>text</name>
      <required>true</required>
      <rtexprvalue>true</rtexprvalue>
    </attribute>
    <attribute>
      <name>outvar</name>
      <required>true</required>
    </attribute>
  </tag>

</taglib>
```

#### 10.5.8.1.f Ficheros de configuración

##### 10.5.8.1.f.1 Configuración del servidor de SMS

Este fichero se encuentra en la plataforma de envío de mensajes cortos, KANNEL.



**appssms.config**

```
group = core
admin-port = 13000
smsbox-port = 13001
admin-password = bar

# SMSBOX SETUP
group = smsbox
bearerbox-host = localhost
sendsms-port = 13013
sendsms-url = /sendsms
global-sender = MyApplication

# SMSC GSM
group = smsc
smc = at
modemtype = alcatel
device = /dev/ttyS4
pin = 4212

group = modems
id = alcatel
name = "Alcatel"
detect-string = "Alcatel"
init-string = "AT+CNMI=2,3,0,0"

#SEND-SMS
group = sendsms-user
username = kannel
password = kannel
omit-empty = "true"
footer = "::MyApplication::"

#SERVICES
group = sms-service
keyword = default
text = ""
omit-empty = "true"

group = sms-service
keyword = setphone
get-url =
"http://localhost:8084/AppsSms/Sms/ChangePhone.do?loginName=%s&password=%s&phone=%s"
omit-empty = "true"

group = sms-service
keyword = hrequest
get-url =
"http://localhost:8084/AppsSms/Sms/RegisterHolidaysRequest.do?loginName=%s&password=%s&startDate=%s&finalDate=%s&details=%r"
omit-empty = "true"
```

---

```
group = sms-service
keyword = hrcancel
get-url =
"http://localhost:8084/AppsSms/Sms/CancelHolidaysRequest.do?loginName=
%s&password=%s&autoId=%s"
omit-empty = "true"

group = sms-service
keyword = hrview
get-url =
"http://localhost:8084/AppsSms/Sms/ViewHolidaysRequest.do?loginName=%s
&password=%s&autoId=%s"
omit-empty = "true"

group = sms-service
keyword = hpview
get-url =
"http://localhost:8084/AppsSms/Sms/ViewHolidaysProfile.do?loginName=%s
&password=%s&period=%s"
omit-empty = "true"

group = sms-service
keyword = help
get-url = "http://localhost:8084/AppsSms/Sms/Help.do?action=%s"
omit-empty = "true"
```

#### *10.5.8.2 Modificación de la capa controlador existente para la inclusión del servicio de notificación de tramitación de solicitud de vacaciones y la realización de operaciones vía SMS*

Se observa que para la extensión para el servicio de SMS no es, en absoluto, necesaria la modificación del modelo. Además de los ficheros de configuración, sólo puede ser necesaria la modificación de algunas acciones de Struts para la inclusión de servicios de notificación. El resto de elementos son elementos nuevos que se aportan para completar el servicio.

Esto muestra la escalabilidad de la aplicación.

##### *10.5.8.2.a Capa controlador*

###### 10.5.8.2.a.1 application.http.controller.actions.holidaysservice

Se modifica la acción de tramitación de vacaciones para la creación de los mensajes a enviar con la notificación.

---

**MapUpdatesHolidaysRequestAction**

```
package application.http.controller.actions.holidayservice;

import java.io.IOException;

import java.util.Map;
import java.util.Set;
import java.util.Iterator;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import org.apache.struts.action.ActionForm;
import org.apache.struts.action.ActionForward;
import org.apache.struts.action.ActionMapping;

import org.apache.struts.validator.LazyValidatorForm;

import application.http.controller.session.SessionManager;

import application.util.exceptions.AdministratorRequiredException;
import application.util.exceptions.InstanceNotFoundException;
import application.util.exceptions.InternalErrorException;

import application.util.controller.struts.AdministratorDefaultAction;

/*SMS -- */
import java.util.ArrayList;
import java.util.Collection;
import
application.model.holidaysrequestservice.vo.holidaysrequest.HolidaysRe
questVO;
import application.http.controller.sms.SmsManager;
import application.http.controller.sms.SmsVO;
/* -- SMS*/

/**
 * Map updates holidays request action allow to update a collection of
 * users holidays request. Administrator required.
 * SMS: Stores report SMS to send.
 */
public class MapUpdatesHolidaysRequestAction extends
    AdministratorDefaultAction {

    /**
     *
     * @param mapping
     * @param form
     * @param request
     * @param response
     * @throws java.io.IOException
```

```
* @throws javax.servlet.ServletException
* @throws application.util.exceptions.InternalErrorException
* @return
*/
public ActionForward doExecute(ActionMapping mapping, ActionForm
form, HttpServletRequest request, HttpServletResponse
response) throws IOException, ServletException,
AdministratorRequiredException, InternalErrorException {

    /* Gets data. */
    LazyValidatorForm mapUpdatesForm = (LazyValidatorForm) form;

    Map<String, String> doUpdate = (Map<String, String>)
mapUpdatesForm.get("doUpdate");

    /*SMS -- */
    Collection<SmsVO> smsVOs = new ArrayList<SmsVO>();
    /* -- SMS*/

    for(Iterator iterator =
        doUpdate.entrySet().iterator();
        iterator.hasNext();) {

        Map.Entry entry = (Map.Entry) iterator.next();
        String autoId = (String) entry.getKey();
        String state = (String) entry.getValue();

        if(state != null){

            try {
                SessionManager.updateHolidaysRequest(request,
                Integer.decode(autoId), Short.decode(state));

                /*SMS -- */
                HolidaysRequestVO holidaysRequestVO =
                SessionManager.findHolidaysRequest(request,
                Integer.decode(autoId));
                String phone = SessionManager.findUser(request,
                holidaysRequestVO.getLoginName()).getPhone();

                if(phone != null){
                    SmsVO smsVO =
                    SmsManager.reportUpdateHolidaysRequest(request,
                    phone, Integer.decode(autoId), Short.decode(state));

                    smsVOs.add(smsVO);
                }
                /* -- SMS*/

            } catch (InstanceNotFoundException e) {
                throw new InternalErrorException(e);
            }
        }
    }
}
```

---

```

        /* SMS -- */
        SmsManager.storeSmsToSend(request, smsVOs);
        /* -- SMS */

        /* Return ActionForward. */
        return mapping.findForward("MapUpdatesHolidaysRequestAction");
    }
}

```

10.5.8.2.b Vista : JSP

### HTML/MainUtilitiesPage.jsp

```

<blockquote>

    <p><strong>BIENVENIDO A UTILIDADES</strong></p><br>
    <p>Usted ha accedido el servicio de utilidades que ofrece
      <strong>:: MyApplication ::</strong>.
    <p>En esta sección encontrará formularios y tutoriales útiles en
      versión imprimible.</p>
    <p>Actualmente se encuentran disponibles los formularios de <a
      href="{pageContext.request.contextPath}/Auth/PrintRegisterUserF
      orm.do">registro de usuarios</a>,
    <a
      href="{pageContext.request.contextPath}/Auth/PrintRegisterHolid
      aysServiceForm.do">registro de servicio de vacaciones</a> y <a
      href="{pageContext.request.contextPath}/Auth/PrintRegisterHolid
      aysRequestForm.do">
      formulario de solicitud de vacaciones</a>.</p>
    <!-- SMS -->
    <p>Recientemente se ha publicado el <a
      href="{pageContext.request.contextPath}/Auth/HelpSms.do">Manual
      de Operaciones SMS</a> que se presenta como una ayuda para la
      realización de operaciones, relacionadas con el servicio de
      perfil de usuario y servicio de solicitud de vacaciones, con un
      dispositivo móvil que permita el envío y recepción de SMS.</p>
    <!-- /SMS -->

</blockquote>

```

10.5.8.2.c Ficheros de configuración

### WEB-INF/web.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns="http://java.sun.com/xml/ns/j2ee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee
    http://java.sun.com/xml/ns/j2ee/web-app_2_4.xsd"
  version="2.4">

  <!-- Datasources -->

  <resource-ref>
  <res-ref-name>jdbc/ApplicationDataSource</res-ref-name>
  <res-type>javax.sql.DataSource</res-type>
  <res-auth>Container</res-auth>
  </resource-ref>

  <!-- Front Controller Configuration -->

  <servlet>
  <servlet-name>action</servlet-name>
  <servlet-class>
    org.apache.struts.action.ActionServlet</servlet-class>
  <init-param>
  <param-name>config</param-name>
  <param-value>/WEB-INF/Struts/struts-config.xml</param-value>
  </init-param>
  </servlet>

  <!-- Servlet Mapping -->

  <servlet-mapping>
  <servlet-name>action</servlet-name>
  <url-pattern>*.do</url-pattern>
  </servlet-mapping>

  <!-- Localization Configuration -->

  <context-param>
  <param-name>
    javax.servlet.jsp.jstl.fmt.localizationContext</param-name>
  <param-value>Messages</param-value>
  </context-param>

  <!-- Welcome Page -->

  <welcome-file-list>
  <welcome-file>index.jsp</welcome-file>
  </welcome-file-list>

  <!-- Filters -->

  <filter>
  <filter-name>AuthenticationRequired</filter-name>
  <filter-class>application.http.controller.filtering.
```

```
        AuthenticationPreProcessingFilter
    </filter-class>
    <init-param>
    <param-name>forward</param-name>
    <param-value>/AuthenticationRequired.do</param-value>
    </init-param>
    <init-param>
    <param-name>error</param-name>
    <param-value>/InternalError.do</param-value>
    </init-param>
    </filter>

    <filter>
    <filter-name>AdministratorRequired</filter-name>
    <filter-class>application.http.controller.filtering.
        AdministratorPreProcessingFilter
    </filter-class>
    <init-param>
    <param-name>forward</param-name>
    <param-value>/Auth/AdministratorRequired.do</param-value>
    </init-param>
    <init-param>
    <param-name>error</param-name>
    <param-value>/InternalError.do</param-value>
    </init-param>
    </filter>

    <!-- Filter Mapping -->

    <filter-mapping>
    <filter-name>AuthenticationRequired</filter-name>
    <url-pattern>/Auth/*</url-pattern>
    <dispatcher>FORWARD</dispatcher>
    <dispatcher>REQUEST</dispatcher>
    </filter-mapping>

    <filter-mapping>
    <filter-name>AdministratorRequired</filter-name>
    <url-pattern>/Auth/Adm/*</url-pattern>
    <dispatcher>FORWARD</dispatcher>
    <dispatcher>REQUEST</dispatcher>
    </filter-mapping>

    <filter-mapping>
    <filter-name>AuthenticationRequired</filter-name>
    <url-pattern>/Print/Auth/*</url-pattern>
    <dispatcher>FORWARD</dispatcher>
    <dispatcher>REQUEST</dispatcher>
    </filter-mapping>

    <filter-mapping>
    <filter-name>AdministratorRequired</filter-name>
    <url-pattern>/Print/Auth/Adm/*</url-pattern>
    <dispatcher>FORWARD</dispatcher>
    <dispatcher>REQUEST</dispatcher>
    </filter-mapping>
```

```
<!-- Standard Tag Libs Descriptor -->

<taglib>
<taglib-uri>http://java.sun.com/jstl/fmt</taglib-uri>
<taglib-location>/WEB-INF/StdTagLibs/fmt.tld
  </taglib-location>
</taglib>

<taglib>
<taglib-uri>http://java.sun.com/jstl/core</taglib-uri>
<taglib-location>/WEB-INF/StdTagLibs/c.tld</taglib-location>
</taglib>

<!-- SMS -->
<!-- Custom Tag Library Descriptors -->

<taglib>
<taglib-uri>/mytags.tld</taglib-uri>
<taglib-location>/WEB-INF/CustomTags/mytags.tld
  </taglib-location>
</taglib>
<!-- /SMS -->

<!-- Environmet entries -->

<env-entry>
<env-entry-name>
  UserProfileServiceFacadeFactory/facadeClassName
  </env-entry-name>
<env-entry-value>
  application.model.userprofileservice.facade.delegate.
  PlainUserProfileServiceFacade
</env-entry-value>
<env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
<env-entry-name>
  HolidaysRequestServiceFacadeFactory/facadeClassName
  </env-entry-name>
<env-entry-value>
  application.model.holidaysrequestservice.facade.delegate.
  PlainHolidaysRequestServiceFacade
</env-entry-value>
<env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
<env-entry-name>SQLUserProfileDAOFactory/daoClassName
  </env-entry-name>
<env-entry-value>
  application.model.userprofileservice.dao.
  StandardSQLUserProfileDAO
</env-entry-value>
<env-entry-type>java.lang.String</env-entry-type>
```

---



```

    </env-entry>

    <env-entry>
    <env-entry-name>
        SQLHolidaysServiceDAOFactory/daoClassName</env-entry-name>
    <env-entry-value>
        application.model.holidaysrequestservice.dao.
        holidayservice.StandardSQLHolidaysServiceDAO
    </env-entry-value>
    <env-entry-type>java.lang.String</env-entry-type>
    </env-entry>

    <env-entry>
    <env-entry-name>
        SQLHolidaysRequestDAOFactory/daoClassName</env-entry-name>
    <env-entry-value>
        application.model.holidaysrequestservice.dao.
        holidaysrequest.StandardSQLHolidaysRequestDAO
    </env-entry-value>
    <env-entry-type>java.lang.String</env-entry-type>
    </env-entry>

</web-app>

```

### **WEB-INF/Struts/strus-config.xml**

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE struts-config PUBLIC
    "-//Apache Software Foundation//DTD Struts Configuration
    1.2//EN"
    "http://struts.apache.org/dtds/struts-config_1_2.dtd">
<struts-config>
<!-- Form Bean Definitions -->
<form-beans>
    <!-- USER PROFILE FORMS -->
    <form-bean name="loginForm"
    type="org.apache.struts.validator.DynaValidatorForm">
        <form-property name="loginName" type="java.lang.String"/>
        <form-property name="password" type="java.lang.String"/>
    </form-bean>
    <form-bean name="loginAsUserForm"
    type="org.apache.struts.validator.DynaValidatorForm">
        <form-property name="password" type="java.lang.String"/>
        <form-property name="loginName" type="java.lang.String"/>

```

```
</form-bean>

<form-bean name="userProfileForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="loginName" type="java.lang.String"/>
  <form-property name="password" type="java.lang.String"/>
  <form-property name="retypePassword" type="java.lang.String"/>
  <form-property name="firstName" type="java.lang.String"/>
  <form-property name="surname" type="java.lang.String"/>
  <form-property name="document" type="java.lang.String"/>
  <form-property name="email" type="java.lang.String"/>
  <form-property name="address" type="java.lang.String"/>
  <form-property name="details" type="java.lang.String"/>
  <form-property name="phone" type="java.lang.String"/>
  <form-property name="isAdministrator"
type="java.lang.Boolean"/>
</form-bean>

<form-bean name="changePhoneForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="password" type="java.lang.String"/>
  <form-property name="phone" type="java.lang.String"/>
</form-bean>

<form-bean name="changePasswordForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="oldPassword" type="java.lang.String"/>
  <form-property name="newPassword" type="java.lang.String"/>
  <form-property name="retypeNewPassword"
type="java.lang.String"/>
</form-bean>

<form-bean name="givePasswordForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="administratorPassword"
type="java.lang.String"/>
  <form-property name="newPassword" type="java.lang.String"/>
  <form-property name="retypeNewPassword"
type="java.lang.String"/>
</form-bean>

<form-bean name="findUserForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="propertyInName" type="java.lang.String"/>
  <form-property name="pattern" type="java.lang.String"/>
  <form-property name="propertyByName" type="java.lang.String"/>
  <form-property name="startIndex" type="java.lang.Integer"/>
  <form-property name="count" type="java.lang.Integer"/>
</form-bean>

<!-- HOLIDAYS REQUEST SERVICE FORMS -->

<!-- holidays service forms -->

<form-bean name="holidaysServiceForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
```

---

```
<form-property name="loginName" type="java.lang.String"/>
<form-property name="period" type="java.lang.String"/>
<form-property name="days" type="java.lang.String"/>
</form-bean>

<form-bean name="findHolidaysServiceForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="period" type="java.lang.String"/>
  <form-property name="startIndex" type="java.lang.Integer"/>
  <form-property name="count" type="java.lang.Integer"/>
</form-bean>

<!-- holidays request forms -->

<form-bean name="holidaysRequestForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="autoId" type="java.lang.String"/>
  <form-property name="startDate" type="java.lang.String"/>
  <form-property name="finalDate" type="java.lang.String"/>
  <form-property name="details" type="java.lang.String"/>
  <form-property name="confirm" type="java.lang.Boolean"/>
</form-bean>

<form-bean name="findHolidaysRequestForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="isUserLoaded" type="java.lang.Boolean"/>
  <form-property name="autoId" type="java.lang.String"/>
  <form-property name="period" type="java.lang.String"/>
  <form-property name="sinceDate" type="java.lang.String"/>
  <form-property name="state" type="java.lang.Short"/>
  <form-property name="propertyByName" type="java.lang.String"/>
  <form-property name="isDesc" type="java.lang.Boolean"/>
  <form-property name="startIndex" type="java.lang.Integer"/>
  <form-property name="count" type="java.lang.Integer"/>
</form-bean>

<form-bean name="mapUpdatesHolidaysRequestForm"
type="org.apache.struts.validator.LazyValidatorForm">
  <form-property name="doUpdate" type="java.util.Map"/>
</form-bean>

<!-- holidays profile forms -->

<form-bean name="findHolidaysProfileForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="period" type="java.lang.String"/>
  <form-property name="loginName" type="java.lang.String"/>
  <form-property name="startIndex" type="java.lang.Integer"/>
  <form-property name="count" type="java.lang.Integer"/>
</form-bean>

<!-- SMS -->
<form-bean name="sendSmsForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="sendSms" type="java.lang.Boolean"/>
</form-bean>
```

---

```
<form-bean name="smsChangePhoneForm"
type="org.apache.struts.validator.DynaValidatorForm">
  <form-property name="loginName" type="java.lang.String"/>
  <form-property name="password" type="java.lang.String"/>
  <form-property name="phone" type="java.lang.String"/>
</form-bean>

<form-bean name="smsHolidaysRequestForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="loginName" type="java.lang.String"/>
  <form-property name="password" type="java.lang.String"/>
  <form-property name="autoId" type="java.lang.String"/>
  <form-property name="startDate" type="java.lang.String"/>
  <form-property name="finalDate" type="java.lang.String"/>
  <form-property name="details" type="java.lang.String"/>
</form-bean>

<form-bean name="smsHolidaysProfileForm"
type="org.apache.struts.validator.DynaValidatorActionForm">
  <form-property name="loginName" type="java.lang.String"/>
  <form-property name="password" type="java.lang.String"/>
  <form-property name="period" type="java.lang.String"/>
</form-bean>
<!-- /SMS -->

</form-beans>

<!-- Global Forwards -->

<global-forwards>

  <forward name="InternalServerErrorPage" path="/InternalServerError.do"
    redirect="true"/>
  <forward name="AdministratorRequiredPage"
    path="/Auth/AdministratorRequired.do" redirect="true"/>
  <!-- SMS -->
  <forward name="smsInternalServerErrorPage" path="/Sms/InternalServerError.do"
    redirect="true"/>
  <!-- /SMS -->

</global-forwards>

<!-- Action Mapping -->

<action-mappings>

  <action path="/InternalServerError"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".internalError"
    redirect="true"/>

  <action path="/Auth/Success"
    type="org.apache.struts.actions.ForwardAction"
    parameter=".success"
    redirect="true"/>
```

---

```
<action path="/Index"
type="org.apache.struts.actions.ForwardAction"
parameter="/Auth/MainPage.do"
redirect="true"/>

<action path="/AuthenticationRequired"
type="org.apache.struts.actions.ForwardAction"
parameter=".authenticate"
redirect="true"/>

<action path="/Auth/AdministratorRequired"
type="org.apache.struts.actions.ForwardAction"
parameter=".administratorRequired"
redirect="true"/>

<action path="/Auth/MainPage"
type="org.apache.struts.actions.ForwardAction"
parameter=".mainPage"
redirect="true"/>

<!-- USER PROFILE ACTIONS -->

<action path="/Auth/MainUserProfilePage"
type="org.apache.struts.actions.ForwardAction"
parameter=".mainUserProfilePage"
redirect="true"/>

<!-- logout -->

<action path="/Logout"
  type="application.http.controller.actions.userprofile.
  LogoutAction">
  <forward name="LogoutAction" path="/Auth/MainPage.do"/>
</action>

<!-- login -->

<action path="/Login"
type="application.http.controller.actions.userprofile.LoginAction"
name="loginForm"
scope="request"
input=".authenticate"
validate="true">
  <forward name="LoginAction" path="/Auth/MainPage.do"
  redirect="true"/>
</action>

<action path="/Auth/Adm/GoToLoginAsUser"
type="org.apache.struts.actions.ForwardAction"
name="loginAsUserForm"
scope="request"
parameter=".loginAsUser"
validate="false"/>

<action path="/Auth/Adm/LoginAsUser"
```

---

```
type="application.http.controller.actions.userprofile.
  LoginAsUserAction"
name="loginAsUserForm"
scope="request"
input=".loginAsUser"
validate="true">
  <forward name="LoginAsUserAction" path="/Auth/MainPage.do"
    redirect="true"/>
</action>

<!-- register user -->

<action path="/Auth/Adm/GoToRegisterUser"
type="org.apache.struts.actions.ForwardAction"
parameter=".registerUser"
redirect="true"/>

<action path="/Auth/Adm/RegisterUser"
type="application.http.controller.actions.userprofile.
  RegisterUserAction"
name="userProfileForm"
scope="request"
input=".registerUser"
validate="true">
  <forward name="RegisterUserAction"
    path="/Auth/ViewUserProfile.do" redirect="true"/>
</action>

<!-- view profile -->

<action path="/Auth/ViewUserProfile"
type="application.http.controller.actions.userprofile.
  EditUserProfileAction"
name="userProfileForm"
scope="request"
validate="false">
  <forward name="EditUserProfileAction"
    path=".viewUserProfile"/>
</action>

<action path="/Auth/Adm/ViewUserDetails"
type="application.http.controller.actions.userprofile.
  ViewUserDetailsAction"
name="userProfileForm"
scope="request"
input="/InternalError.do"
validate="true">
  <forward name="ViewUserDetailsAction"
    path=".printViewUserProfile"/>
</action>

<!-- update -->

<action path="/Auth/GoToUpdateUserProfile"
type="application.http.controller.actions.userprofile.
  EditUserProfileAction"
```

```
name="userProfileForm"
scope="request"
validate="false">
    <forward name="EditUserProfileAction"
        path=".updateUserProfile"/>
</action>

<action path="/Auth/UpdateUserProfile"
type="application.http.controller.actions.userprofile.
    UpdateUserProfileAction"
name="userProfileForm"
scope="request"
input=".updateUserProfile"
validate="true">
    <forward name="UpdateUserProfileAction"
        path="/Auth/ViewUserProfile.do" redirect="true"/>
</action>

<action path="/Auth/Adm/GoToUpdateUserProfile"
type="application.http.controller.actions.userprofile.
    EditUserProfileAction"
name="userProfileForm"
scope="request"
validate="false">
    <forward name="EditUserProfileAction"
        path=".administratorUpdateUserProfile"/>
</action>

<action path="/Auth/Adm/UpdateUserProfile"
type="application.http.controller.actions.userprofile.
    AdministratorUpdateUserProfileAction"
name="userProfileForm"
scope="request"
input=".administratorUpdateUserProfile"
validate="true">
    <forward name="AdministratorUpdateUserProfileAction"
        path="/Auth/ViewUserProfile.do" redirect="true"/>
</action>

<action path="/Auth/GoToChangePhone"
type="application.http.controller.actions.userprofile.
    EditPhoneAction"
name="changePhoneForm"
scope="request"
validate="false">
    <forward name="EditPhoneAction" path=".changePhone"/>
</action>

<action path="/Auth/ChangePhone"
type="application.http.controller.actions.userprofile.
    ChangePhoneAction"
name="changePhoneForm"
scope="request"
input=".changePhone"
validate="true">
```

---

```
        <forward name="ChangePhoneAction"
            path="/Auth/ViewUserProfile.do" redirect="true"/>
    </action>

    <action path="/Auth/Adm/GoToChangePhone"
        type="application.http.controller.actions.userprofile.
            EditPhoneAction"
        name="changePhoneForm"
        scope="request"
        validate="false">
        <forward name="EditPhoneAction" path=".givePhone"/>
    </action>

    <action path="/Auth/Adm/ChangePhone"
        type="application.http.controller.actions.userprofile.
            GivePhoneAction"
        name="changePhoneForm"
        scope="request"
        input=".givePhone"
        validate="true">
        <forward name="GivePhoneAction"
            path="/Auth/ViewUserProfile.do" redirect="true"/>
    </action>

    <action path="/Auth/GoToChangePassword"
        type="org.apache.struts.actions.ForwardAction"
        parameter=".changePassword"
        redirect="true"/>

    <action path="/Auth/ChangePassword"
        type="application.http.controller.actions.userprofile.
            ChangePasswordAction"
        name="changePasswordForm"
        scope="request"
        input=".changePassword"
        validate="true">
        <forward name="ChangePasswordAction" path="/Auth/Success.do"
            redirect="true"/>
    </action>

    <action path="/Auth/Adm/GoToGivePassword"
        type="org.apache.struts.actions.ForwardAction"
        parameter=".givePassword"
        redirect="true"/>

    <action path="/Auth/Adm/GivePassword"
        type="application.http.controller.actions.userprofile.
            GivePasswordAction"
        name="givePasswordForm"
        scope="request"
        input=".givePassword"
        validate="true">
        <forward name="GivePasswordAction" path="/Auth/Success.do"
            redirect="true"/>
    </action>
```

---



```
<!-- find -->

<action path="/Auth/GoToFindUser"
type="org.apache.struts.actions.ForwardAction"
parameter=".findUser"
redirect="true"/>

<action path="/Auth/FindUser"
type="application.http.controller.actions.userprofile.
  FindUserAction"
name="findUserForm"
scope="request"
input=".findUser"
validate="true">
  <forward name="FindUserAction" path=".findUserResult"/>
</action>

<!-- printable user profile actions -->

<action path="/Auth/PrintRegisterUserForm"
type="org.apache.struts.actions.ForwardAction"
name="userProfileForm"
parameter=".printRegisterUserForm"
redirect="true"
validate="false"/>

<action path="/Auth/PrintViewUserProfile"
type="application.http.controller.actions.userprofile.
  EditUserProfileAction"
name="userProfileForm"
scope="request"
validate="false">
  <forward name="EditUserProfileAction"
    path=".printViewUserProfile"/>
</action>

<action path="/Print/Auth/FindUser"
type="application.http.controller.actions.userprofile.
  FindUserAction"
name="findUserForm"
scope="request"
input=".findUser"
validate="true">
  <forward name="FindUserAction" path=".printFindUserResult"/>
</action>

<!-- HOLIDAYS REQUEST SERVICE ACTIONS -->

<action path="/Auth/MainHolidaysServicePage"
type="org.apache.struts.actions.ForwardAction"
parameter=".mainHolidaysServicePage"
redirect="true"/>

<!-- Holidays Service -->

<!-- register service -->
```

---

```
<action path="/Auth/Adm/GoToRegisterHolidaysService"
type="org.apache.struts.actions.ForwardAction"
parameter=".registerHolidaysService"
redirect="true"/>

<action path="/Auth/Adm/RegisterHolidaysService"
type="application.http.controller.actions.holidayservice.
RegisterHolidaysServiceAction"
name="holidaysServiceForm"
scope="request"
input=".registerHolidaysService"
validate="true">
    <forward name="RegisterHolidaysServiceAction"
path="/Auth/FindUserHolidaysService.do"/>
</action>

<!-- update -->

<action path="/Auth/Adm/GoToUpdateHolidaysService"
type="application.http.controller.actions.holidayservice.
EditHolidaysServiceAction"
name="holidaysServiceForm"
scope="request"
validate="false">
    <forward name="EditHolidaysServiceAction"
path=".updateHolidaysService"/>
</action>

<action path="/Auth/Adm/UpdateHolidaysService"
type="application.http.controller.actions.holidayservice.
UpdateHolidaysServiceAction"
name="holidaysServiceForm"
scope="request"
input=".updateHolidaysService"
validate="true">
    <forward name="UpdateHolidaysServiceAction"
path="/Auth/FindUserHolidaysService.do?count=5"/>
</action>

<!-- find -->

<action path="/Auth/Adm/GoToFindHolidaysService"
type="application.http.controller.actions.holidayservice.
FindHolidaysServicesAction"
name="findHolidaysServiceForm"
scope="request"
input="/InternalError.do"
validate="false">
    <forward name="FindHolidaysServicesAction"
path=".findHolidaysService" redirect="true"/>
</action>

<action path="/Auth/Adm/FindPeriodHolidaysService"
type="application.http.controller.actions.holidayservice.
FindPeriodHolidaysServiceAction"
```

---

```
name="findHolidaysServiceForm"
scope="request"
input="/InternalError.do"
validate="true">
    <forward name="FindPeriodHolidaysServiceAction"
        path=".findHolidaysServiceResult"/>
</action>

<action path="/Auth/FindUserHolidaysService"
type="application.http.controller.actions.holidayservice.
    FindUserHolidaysServiceAction"
name="findHolidaysServiceForm"
scope="request"
input="/InternalError.do"
validate="true">
    <forward name="FindUserHolidaysServiceAction"
        path=".findHolidaysServiceResult"/>
</action>

<!-- printable holidays service actions -->

<action path="/Auth/PrintRegisterHolidaysServiceForm"
type="org.apache.struts.actions.ForwardAction"
name="holidaysServiceForm"
parameter=".printRegisterHolidaysServiceForm"
validate="false"
redirect="true"/>

<action path="/Print/Auth/FindUserHolidaysService"
type="application.http.controller.actions.holidayservice.
    FindUserHolidaysServiceAction"
name="findHolidaysServiceForm"
scope="request"
input="/InternalError.do"
validate="true">
    <forward name="FindUserHolidaysServiceAction"
        path=".printFindHolidaysServiceResult"/>
</action>

<action path="/Print/Auth/Adm/FindPeriodHolidaysService"
type="application.http.controller.actions.holidayservice.
    FindPeriodHolidaysServiceAction"
name="findHolidaysServiceForm"
scope="request"
input="/InternalError.do"
validate="true">
    <forward name="FindPeriodHolidaysServiceAction"
        path=".printFindHolidaysServiceResult"/>
</action>

<!-- Holildays Request -->

<!-- register -->

<action path="/Auth/GoToRegisterHolidaysRequest"
type="org.apache.struts.actions.ForwardAction"
```

---

```
parameter=".registerHolidaysRequest"
redirect="true"/>

<action path="/Auth/RegisterHolidaysRequest"
type="application.http.controller.actions.holidayservice.
  RegisterHolidaysRequestAction"
name="holidaysRequestForm"
input=".registerHolidaysRequest"
scope="request"
validate="true">
  <forward name="RegisterHolidaysRequestAction"
  path=".previewRegisterHolidaysRequest"/>
</action>

<action path="/Auth/ConfirmRegisterHolidaysRequest"
type="application.http.controller.actions.holidayservice.
  RegisterHolidaysRequestAction"
name="holidaysRequestForm"
input=".registerHolidaysRequest"
scope="request"
validate="true">
  <forward name="RegisterHolidaysRequestAction"
  path="/Auth/ViewHolidaysRequest.do"/>
</action>

<!-- view -->

<action path="/Auth/ViewHolidaysRequest"
type="application.http.controller.actions.holidayservice.
  EditUserHolidaysRequestAction"
name="holidaysRequestForm"
input="/InternalError.do"
scope="request"
validate="true">
  <forward name="EditHolidaysRequestAction"
  path=".viewHolidaysRequest"/>
</action>

<action path="/Auth/Adm/ViewHolidaysRequest"
type="application.http.controller.actions.holidayservice.
  EditHolidaysRequestAction"
name="holidaysRequestForm"
input="/InternalError.do"
scope="request"
validate="true">
  <forward name="EditHolidaysRequestAction"
  path=".viewHolidaysRequest"/>
</action>

<!-- update -->

<action path="/Auth/CancelHolidaysRequest"
type="application.http.controller.actions.holidayservice.
  CancelHolidaysRequestAction"
name="holidaysRequestForm"
scope="request"
```

---

```
input="/InternalError.do"
validate="true">
    <forward name="CancelHolidaysRequestAction"
        path="/Auth/Success.do" redirect="true"/>
</action>

<!-- SMS -->

<!--
<action path="/Auth/Adm/MapUpdatesHolidaysRequest"
type="application.http.controller.actions.holidayservice.
    MapUpdatesHolidaysRequestAction"
name="mapUpdatesHolidaysRequestForm"
scope="request"
validate="false">
    <forward name="MapUpdatesHolidaysRequestAction"
        path="/Auth/Success.do" redirect="true"/>
</action> -->

<action path="/Auth/Adm/MapUpdatesHolidaysRequest"
type="application.http.controller.actions.holidayservice.
    MapUpdatesHolidaysRequestAction"
name="mapUpdatesHolidaysRequestForm"
scope="request"
validate="false">
    <forward name="MapUpdatesHolidaysRequestAction"
        path=".sendReport"/>
</action>

<action path="/Auth/Adm/SendReport"
type="application.http.controller.actions.sms.SendSmsAction"
name="sendSmsForm"
scope="request"
validate="false">
    <forward name="SendSmsAction" path=".kannel"/>
    <forward name="DontSendSmsAction" path="/Auth/Success.do"
        redirect="true"/>
</action>

<!-- /SMS -->

<!-- find -->

<action path="/Auth/Adm/GoToFindHolidaysRequest"
type="org.apache.struts.actions.ForwardAction"
parameter=".administratorFindHolidaysRequest"
redirect="true"/>

<action path="/Auth/Adm/FindHolidaysRequest"
type="application.http.controller.actions.holidayservice.
    AdministratorFindHolidaysRequestAction"
name="findHolidaysRequestForm"
input=".administratorFindHolidaysRequest"
scope="request"
validate="true">
```

---

```
        <forward name="AdministratorFindHolidaysRequestAction"
            path=".findHolidaysRequestResult" />
    </action>

    <action path="/Auth/GoToFindHolidaysRequest"
        type="org.apache.struts.actions.ForwardAction"
        parameter=".findHolidaysRequest"
        redirect="true" />

    <action path="/Auth/FindHolidaysRequest"
        type="application.http.controller.actions.holidayservice.
            FindHolidaysRequestAction"
        name="findHolidaysRequestForm"
        input=".findHolidaysRequest"
        scope="request"
        validate="true">
        <forward name="FindHolidaysRequestAction"
            path=".findHolidaysRequestResult" />
    </action>

    <!-- printable holidays request actions -->

    <action path="/Auth/PrintRegisterHolidaysRequestForm"
        type="org.apache.struts.actions.ForwardAction"
        parameter=".printRegisterHolidaysRequestForm"
        name="holidaysRequestForm"
        validate="false"
        redirect="true" />

    <action path="/Auth/PrintViewHolidaysRequest"
        type="application.http.controller.actions.holidayservice.
            EditUserHolidaysRequestAction"
        name="holidaysRequestForm"
        input="/InternalError.do"
        scope="request"
        validate="true">
        <forward name="EditHolidaysRequestAction"
            path=".printViewHolidaysRequest" />
    </action>

    <action path="/Auth/Adm/PrintViewHolidaysRequest"
        type="application.http.controller.actions.holidayservice.
            EditHolidaysRequestAction"
        name="holidaysRequestForm"
        input="/InternalError.do"
        scope="request"
        validate="true">
        <forward name="EditHolidaysRequestAction"
            path=".printViewHolidaysRequest" />
    </action>

    <action path="/Print/Auth/FindHolidaysRequest"
        type="application.http.controller.actions.holidayservice.
            FindHolidaysRequestAction"
        name="findHolidaysRequestForm"
        input=".findHolidaysRequest"
```

```
scope="request"
validate="true">
    <forward name="FindHolidaysRequestAction"
        path=".printFindHolidaysRequestResult"/>
</action>

<action path="/Print/Auth/Adm/FindHolidaysRequest"
type="application.http.controller.actions.holidayservice.
    AdministratorFindHolidaysRequestAction"
name="findHolidaysRequestForm"
input=".administratorFindHolidaysRequest"
scope="request"
validate="true">
    <forward name="AdministratorFindHolidaysRequestAction"
        path=".printFindHolidaysRequestResult"/>
</action>

<!-- Holidays Profile -->

<action path="/Auth/FindHolidaysProfile"
type="application.http.controller.actions.holidayservice.
    FindHolidaysProfileAction"
name="findHolidaysProfileForm"
scope="request"
input="/InternalError.do"
validate="true">
    <forward name="FindHolidaysProfileAction"
        path=".viewHolidaysProfile"/>
</action>

    <action path="/Print/Auth/FindHolidaysProfile"
type="application.http.controller.actions.holidayservice.
    FindHolidaysProfileAction"
name="findHolidaysProfileForm"
scope="request"
input="/InternalError.do"
validate="true">
    <forward name="FindHolidaysProfileAction"
        path=".printViewHolidaysProfile"/>
</action>

<action path="/Auth/Adm/GoToFindHolidaysProfile"
type="application.http.controller.actions.holidayservice.
    FindHolidaysProfilesAction">
<forward name="FindHolidaysProfilesAction"
    path=".findHolidaysProfile"/>
</action>

<action path="/Auth/Adm/FindHolidaysProfileByPeriod"
type="application.http.controller.actions.holidayservice.
    FindPeriodHolidaysProfileAction"
name="findHolidaysProfileForm"
input=".findHolidaysProfile"
scope="request">
<forward name="FindPeriodHolidaysProfileAction"
    path=".viewHolidaysProfile"/>
```

```
</action>

<action path="/Print/Auth/Adm/FindHolidaysProfileByPeriod"
type="application.http.controller.actions.holidayservice.
    FindPeriodHolidaysProfileAction"
name="findHolidaysProfileForm"
scope="request"
input="/InternalError.do"
validate="true">
    <forward name="FindPeriodHolidaysProfileAction"
        path=".printViewHolidaysProfile"/>
</action>

<!-- UTILITIES -->

<action path="/Auth/MainUtilitiesPage"
type="org.apache.struts.actions.ForwardAction"
parameter=".mainUtilitiesPage"/>

<!-- SMS -->

<action path="/Auth/HelpSms"
type="org.apache.struts.actions.ForwardAction"
parameter=".helpSms" redirect="true"/>

<action path="/Auth/PrintHelpSms"
type="org.apache.struts.actions.ForwardAction"
parameter=".printHelpSms" redirect="true"/>

<action path="/Sms/InternalError"
type="org.apache.struts.actions.ForwardAction"
parameter=".smsInternalError"
redirect="true"/>

<action path="/Sms/ChangePhone"
type="application.http.controller.actions.sms.userprofile.
    SmsChangePhoneAction"
name="smsChangePhoneForm"
input=".smsInput"
scope="request"
validate="true">
    <forward name="smsChangePhoneAction" path=".smsSuccess"/>
</action>

<action path="/Sms/RegisterHolidaysRequest"
type="application.http.controller.actions.sms.holidayservice.
    SmsRegisterHolidaysRequestAction"
name="smsHolidaysRequestForm"
input=".smsInput"
scope="request"
validate="true">
    <forward name="smsRegisterHolidaysRequestAction"
        path=".smsSuccess"/>
</action>

<action path="/Sms/CancelHolidaysRequest"
```

---



---

```
    type="application.http.controller.actions.sms.holidayservice.
      SmsCancelHolidaysRequestAction"
    name="smsHolidaysRequestForm"
    input=".smsInput"
    scope="request"
    validate="true">
      <forward name="smsCancelHolidaysRequestAction"
        path=".smsSuccess"/>
    </action>

<action path="/Sms/ViewHolidaysRequest"
type="application.http.controller.actions.sms.holidayservice.
  SmsEditUserHolidaysRequestAction"
name="smsHolidaysRequestForm"
input=".smsInput"
scope="request"
validate="true">
  <forward name="smsEditHolidaysRequestAction"
    path=".smsSuccess"/>
</action>

<action path="/Sms/ViewHolidaysProfile"
type="application.http.controller.actions.sms.holidayservice.
  SmsEditUserPeriodHolidaysProfileAction"
name="smsHolidaysProfileForm"
input=".smsInput"
scope="request"
validate="true">
  <forward name="smsEditUserPeriodHolidaysProfileAction"
    path=".smsSuccess"/>
</action>

<action path="/Sms/Help"
type="org.apache.struts.actions.ForwardAction"
parameter=".smsHelp"/>

<!-- /SMS -->

</action-mappings>

<!-- Front Controller Configuration -->

<controller processorClass=
"org.apache.struts.tiles.TilesRequestProcessor"/>
<!--<controller processorClass=
"org.apache.struts.action.RequestProcessor"/>-->

<!-- Messages -->

<message-resources parameter="Messages" null="false"/>

<!-- Plug-in -->

<plug-in className="org.apache.struts.tiles.TilesPlugin">
  <set-property property="definitions-config"
    value="/WEB-INF/Struts/tiles-defs.xml"/>
```

---

```
</plug-in>

<plug-in className="org.apache.struts.validator.ValidatorPlugIn">
  <set-property property="pathnames"
    value="/WEB-INF/Struts/validator-rules.xml,/
      WEB-INF/Struts/validation.xml"/>
</plug-in>

</struts-config>
```

### **WEB-INF/Struts/validation.xml**

```
<?xml version="1.0" encoding="ISO-8859-1"?>

<!DOCTYPE form-validation PUBLIC
  "-//Apache Software Foundation//DTD Commons Validator Rules
  Configuration 1.1.3//EN"
  "http://jakarta.apache.org/commons/dtds/validator_1_1_3.dtd">

<form-validation>

<formset>

<!-- USER PROFILE FORMS VALIDATION -->

<!-- loginForm validation -->

<form name="loginForm">
  <field property="loginName" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="mask" key="errorsMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.loginName"/>
  </field>

  <field property="password" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="mask" key="errorsMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.password"/>
  </field>
</form>

<!-- loginAsUserForm validation -->

<form name="loginAsUserForm">
  <field property="password" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="mask" key="errorsMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.password"/>
  </field>
```

---

```
<field property="loginName" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorsMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>
</form>

<!-- userProfileForm actions validation -->

<form name="/Auth/Adm/RegisterUser">
  <field property="loginName" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorsMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>

  <field property="password" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="mask" key="errorsMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

  <field property="retypePassword" depends="required, validwhen">
<var><var-name>test</var-name>
  <var-value>(*this* == password)</var-value>
</var>
<msg name="validwhen" key="errorsMessage.notMatching.password"/>
</field>

  <field property="document" depends="mask">
<var><var-name>mask</var-name>
  <var-value>^\d{8}[a-zA-Z]$</var-value></var>
<msg name="mask" key="errorsMessage.mask.document"/>
<arg0 name="mask" key="userProfile.document"/>
</field>

  <field property="email" depends="mask">
<var><var-name>mask</var-name>
  <var-value>^[0-9a-zA-Z\-\_]+\@[0-9a-zA-Z\-\_]+\.[0-9a-zA-Z\-\_]+</var-value></var>
<msg name="mask" key="errorsMessage.mask.invalid"/>
<arg0 name="mask" key="userProfile.email"/>
</field>

  <field property="phone" depends="mask">
<var><var-name>mask</var-name>
  <var-value>^[6]\d{8}$</var-value></var>
<msg name="mask" key="errorsMessage.mask.invalidPhone"/>
</field>
</form>

<form name="/Auth/UpdateUserProfile">
```

---

---

```
<field property="document" depends="mask">
<var><var-name>mask</var-name>
  <var-value>^\d{8}[a-zA-Z]$</var-value></var>
<msg name="mask" key="errorMessage.mask.document"/>
<arg0 name="mask" key="userProfile.document"/>
</field>

<field property="email" depends="mask">
<var><var-name>mask</var-name>
  <var-value>^[0-9a-zA-Z\-\_]+\@[0-9a-zA-Z\-\_]+\.[0-9a-zA-Z\-\_]+</var-value></var>
<msg name="mask" key="errorMessage.mask.invalid"/>
<arg0 name="mask" key="userProfile.email"/>
</field>
</form>

<form name="/Auth/Adm/UpdateUserProfile">
  <field property="document" depends="mask">
    <var><var-name>mask</var-name>
      <var-value>^\d{8}[a-zA-Z]$</var-value></var>
    <msg name="mask" key="errorMessage.mask.document"/>
    <arg0 name="mask" key="userProfile.document"/>
  </field>

  <field property="email" depends="mask">
    <var><var-name>mask</var-name>
      <var-value>^[0-9a-zA-Z\-\_]+\@[0-9a-zA-Z\-\_]+\.[0-9a-zA-Z\-\_]+</var-value></var>
    <msg name="mask" key="errorMessage.mask.invalid"/>
    <arg0 name="mask" key="userProfile.email"/>
  </field>
</form>

<form name="/Auth/Adm/ViewUserDetails">
  <field property="loginName" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="mask" key="errorMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.loginName"/>
  </field>
</form>

<!-- changePhoneForm validation -->

<form name="changePhoneForm">
  <field property="password" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="mask" key="errorMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.password"/>
  </field>

  <field property="phone" depends="mask">
    <var><var-name>mask</var-name>
      <var-value>^[6]\d{8}$</var-value></var>
    <msg name="mask" key="errorMessage.mask.invalidPhone"/>
  </field>
</form>
```

---

```
</field>
</form>

<!-- changePassword validation -->
<form name="changePasswordForm">
  <field property="oldPassword" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="mask" key="errorsMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.password"/>
  </field>

  <field property="newPassword" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="mask" key="errorsMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.password"/>
  </field>

  <field property="retypeNewPassword" depends="required, validwhen">
    <var><var-name>test</var-name>
      <var-value>(*this* == newPassword)</var-value></var>
    <msg name="validwhen" key="errorsMessage.notMatching.password"/>
  </field>
</form>

<!-- givePasswordForm validation -->
<form name="givePasswordForm">
  <field property="administratorPassword" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="mask" key="errorsMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.password"/>
  </field>

  <field property="newPassword" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="mask" key="errorsMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.password"/>
  </field>

  <field property="retypeNewPassword" depends="required, validwhen">
    <var><var-name>test</var-name>
      <var-value>(*this* == newPassword)</var-value></var>
    <msg name="validwhen" key="errorsMessage.notMatching.password"/>
  </field>
</form>

<!-- findUserForm validation -->
<form name="findUserForm">

  <field property="propertyInName" depends="required, validwhen">
```

---

```
<var><var-name>test</var-name>
  <var-value>( (*this* == "loginName") or ((*this* ==
"firstName") or ((*this* == "surname") or ((*this* ==
"document") or ((*this* == "email") or ((*this* ==
"address") or (*this* == "phone"))))))
  </var-value></var>
<msg name="validwhen" key="errorsMessage.notMatching"/>
<arg0 name="validwhen" key="find.propertyInName"/>
</field>

<field property="propertyByName" depends="required, validwhen">
<var><var-name>test</var-name>
  <var-value>( (*this* == "loginName") or ( (*this* ==
"firstName") or ((*this* == "surname") or ((*this* ==
"document") or ((*this* == "email") or ((*this* ==
"address") or (*this* == "phone"))))))
  </var-value></var>
<msg name="validwhen" key="errorsMessage.notMatching"/>
<arg0 name="validwhen" key="find.propertyByName"/>
</field>

<field property="count" depends="integer">
<arg0 name="integer" key="count"/>
</field>

<field property="startIndex" depends="integer">
<arg0 name="integer" key="startIndex"/>
</field>
</form>

<!-- HOLIDAYS REQUEST SERVICE VALIDATION -->

<!-- holidaysServiceForm actions validation -->

<form name="/Auth/Adm/RegisterHolidaysService">
  <field property="period" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\d{4}$</var-value></var>
    <msg name="mask" key="errorsMessage.mask.format"/>
    <arg0 name="mask" key="yyyy" resource="false"/>
  </field>

  <field property="days" depends="required, integer">
    <arg0 name="integer" key="holidaysService.days"/>
  </field>
</form>

<form name="/Auth/Adm/UpdateHolidaysService">
  <field property="days" depends="required, integer">
    <arg0 name="integer" key="holidaysService.days"/>
  </field>
</form>

<!-- findHolidaysServiceForm actions validation -->

<form name="/Auth/Adm/FindPeriodHolidaysService">
```

---

---

```

    <field property="period" depends="required, mask">
    <var><var-name>mask</var-name>
        <var-value>^\d{4}$</var-value></var>
    <msg name="mask" key="errorMessage.mask.format"/>
    <arg0 name="mask" key="yyyy" resource="false"/>
    </field>
</form>

<form name="Print/Auth/Adm/FindPeriodHolidaysService">
    <field property="period" depends="required, mask">
    <var><var-name>mask</var-name>
        <var-value>^\d{4}$</var-value></var>
    <msg name="mask" key="errorMessage.mask.format"/>
    <arg0 name="mask" key="yyyy" resource="false"/>
    </field>
</form>

<!-- holidaysRequestForm action validation -->

<form name="/Auth/RegisterHolidaysRequest">
    <field property="startDate" depends="required, mask, date">
    <var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
    <var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
    <msg name="mask" key="errorMessage.mask.format"/>
    <arg0 name="mask" key="{var:datePattern}" resource="false"/>
    </field>

    <field property="finalDate" depends="required, mask, date">
    <var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
    <var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
    <msg name="mask" key="errorMessage.mask.format"/>
    <arg0 name="mask" key="{var:datePattern}" resource="false"/>
    </field>

    <field property="confirm" depends="required"/>
</form>

<form name="/Auth/ConfirmRegisterHolidaysRequest">
    <field property="startDate" depends="required, mask, date">
    <var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
    <var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
    <msg name="mask" key="errorMessage.mask.format"/>
    <arg0 name="mask" key="{var:datePattern}" resource="false"/>
    </field>

    <field property="finalDate" depends="required, mask, date">
    <var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
    <var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>

```

---

---

```
<msg name="mask" key="errorMessage.mask.format"/>
<arg0 name="mask" key="{var:datePattern}" resource="false"/>
</field>

<field property="confirm" depends="required"/>
</form>

<form name="/Auth/Adm/ViewHolidaysRequest">
  <field property="autoId" depends="required, integer">
    <arg0 name="integer" key="holidaysRequest.autoId"/>
  </field>
</form>

<form name="/Print/Auth/ViewHolidaysRequest">
  <field property="autoId" depends="required, integer">
    <arg0 name="integer" key="holidaysRequest.autoId"/>
  </field>
</form>

<form name="/Print/Auth/Adm/ViewHolidaysRequest">
  <field property="autoId" depends="required, integer">
    <arg0 name="integer" key="holidaysRequest.autoId"/>
  </field>
</form>

<form name="/Auth/CancelHolidaysRequest">
  <field property="autoId" depends="required, integer">
    <arg0 name="integer" key="holidaysRequest.autoId"/>
  </field>
</form>

<!-- findHolidaysRequestForm validation -->

<form name="findHolidaysRequestForm">
  <field property="autoId" depends="integer">
    <arg0 name="integer" key="holidaysRequest.autoId"/>
  </field>

  <field property="period" depends="mask">
    <var><var-name>mask</var-name>
      <var-value>^\d{4}$</var-value></var>
    <msg name="mask" key="errorMessage.mask.format"/>
    <arg0 name="mask" key="yyyy" resource="false"/>
  </field>

  <field property="sinceDate" depends="mask, date">
    <var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
    <var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
    <msg name="mask" key="errorMessage.mask.format"/>
    <arg0 name="mask" key="{var:datePattern}" resource="false"/>
  </field>

  <field property="propertyByName"
    depends="required, validwhen">
```

---



---

```
<msg name="validwhen" key="errorMessage.notMatching"/>
<arg0 name="validwhen" key="find.form.propertyByName"/>
<var>
<var-name>test</var-name>
<var-value>((*this* == "autoId") or ( (*this* == "loginName") or (
  (*this* == "state") or ((*this* == "stateDate") or ((*this* ==
    "startDate") or ((*this* == "finalDate") or (*this* ==
      "details"))))))))
</var-value></var>
</field>

<field property="startIndex" depends="integer">
<arg0 name="integer" key="find.startIndex"/>
</field>

<field property="count" depends="integer">
<arg0 name="integer" key="find.count"/>
</field>
</form>

<!-- findHolidaysProfileForm validation -->
<form name="/Auth/Adm/FindHolidaysProfile">
  <field property="loginName" depends="required"/>

  <field property="startIndex" depends="integer">
<arg0 name="integer" key="find.startIndex"/>
</field>

  <field property="count" depends="integer">
<arg0 name="integer" key="find.count"/>
</field>
</form>

<!-- SMS -->
<form name="smsChangePhoneForm">
  <field property="loginName" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="userProfile.loginName"/>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>

  <field property="password" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="userProfile.password"/>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

  <field property="phone" depends="mask">
```

---

---

```

<var><var-name>mask</var-name>
  <var-value>^[6]\d{8}$</var-value></var>
<msg name="mask" key="errorMessage.mask.invalidPhone"/>
</field>
</form>

<form name="/Sms/RegisterHolidaysRequest">
  <field property="loginName" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="required" key="errorMessage.smsRequired"/>
    <arg0 name="required" key="userProfile.loginName"/>
    <msg name="mask" key="errorMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.loginName"/>
  </field>

  <field property="password" depends="required, mask">
    <var><var-name>mask</var-name>
      <var-value>^\w{3,9}$</var-value></var>
    <msg name="required" key="errorMessage.smsRequired"/>
    <arg0 name="required" key="userProfile.password"/>
    <msg name="mask" key="errorMessage.mask.login"/>
    <arg0 name="mask" key="userProfile.password"/>
  </field>

  <field property="startDate" depends="required, mask, date">
    <var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
    <var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
    <msg name="required" key="errorMessage.smsRequired"/>
    <arg0 name="required" key="holidaysRequest.startDate"/>
    <msg name="mask" key="errorMessage.mask.format"/>
    <arg0 name="mask" key="holidaysRequest.startDate"/>
    <arg1 name="mask" key="{var:datePattern}" resource="false"/>
    <msg name="date" key="errorMessage.smsDate"/>
    <arg0 name="date" key="holidaysRequest.startDate"/>
  </field>

  <field property="finalDate" depends="required, mask, date">
    <var><var-name>mask</var-name><var-value>[0-9]{1,2}-[0-9]{1,2}-[0-9]{4}</var-value></var>
    <var><var-name>datePattern</var-name><var-value>dd-MM-yyyy</var-value></var>
    <msg name="required" key="errorMessage.smsRequired"/>
    <arg0 name="required" key="holidaysRequest.finalDate"/>
    <msg name="mask" key="errorMessage.smsMask.format"/>
    <arg0 name="mask" key="holidaysRequest.finalDate"/>
    <arg1 name="mask" key="{var:datePattern}" resource="false"/>
    <msg name="date" key="errorMessage.smsDate"/>
    <arg0 name="date" key="holidaysRequest.finalDate"/>
  </field>
</form>

<form name="/Sms/CancelHolidaysRequest">
  <field property="loginName" depends="required, mask">

```

---

---

```
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="userProfile.loginName"/>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>

<field property="password" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="userProfile.password"/>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

<field property="autoId" depends="required, integer">
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="holidaysRequest.autoId"/>
<arg0 name="integer" key="holidaysRequest.autoId"/>
</field>

</form>

<form name="/Sms/ViewHolidaysRequest">
  <field property="loginName" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="userProfile.loginName"/>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>

<field property="password" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="userProfile.password"/>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

<field property="autoId" depends="required, integer">
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="holidaysRequest.autoId"/>
<arg0 name="integer" key="holidaysRequest.autoId"/>
</field>

</form>

<form name="/Sms/ViewHolidaysProfile">
  <field property="loginName" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
```

---

```

<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="userProfile.loginName"/>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.loginName"/>
</field>

<field property="password" depends="required, mask">
<var><var-name>mask</var-name>
  <var-value>^\w{3,9}$</var-value></var>
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="userProfile.password"/>
<msg name="mask" key="errorMessage.mask.login"/>
<arg0 name="mask" key="userProfile.password"/>
</field>

<field property="period" depends="required, mask">
<var><var-name>mask</var-name><var-value>^\d{4}$</var-value></var>
<msg name="required" key="errorMessage.smsRequired"/>
<arg0 name="required" key="holidaysService.period"/>
<msg name="mask" key="errorMessage.smsMask.format"/>
<arg0 name="mask" key="holidaysService.period"/>
<arg1 name="mask" key="yyyy" resource="false"/>
</field>
</form>

<!-- /SMS -->

</formset>

</form-validation>

```

### WEB-INF/Struts/tiles-def.xml

```

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE tiles-definitions PUBLIC
  "-//Apache Software Foundation//DTD Tiles Configuration
  1.1//EN"
  "http://struts.apache.org/dtds/tiles-config_1_1.dtd">

<tiles-definitions>

<!-- Templates -->

<definition name=".basicLayout" page="/HTML/layout/BasicTemplate.jsp">
  <put name="title" value="{title}"/>
  <put name="resume" value="{resume}"/>
  <put name="content" value="" type="string"/>
</definition>

<definition name=".defaultLayout"
page="/HTML/layout/DefaultTemplate.jsp">
  <put name="title" value="{title}"/>

```

---

```

    <put name="user_working" value="/HTML/common/User_working.jsp"/>
    <put name="main_upper_links" value=".mainUpperLinks"/>
    <put name="action_upper_links" value=".actionUpperLinks"/>
    <put name="page_links" value="" type="string"/>
    <put name="user_links" value=".vUserProfileLinks"/>
    <put name="holidays_links" value=".vHolidaysLinks"/>
    <put name="utilities_links" value=".vUtilitiesLinks"/>
    <put name="resume" value="{resume}"/>
    <put name="contentAsMessage" value="content.noContentAsMessage"/>
    <put name="content" value="" type="string"/>
</definition>

<definition name=".printLayout" page="/HTML/layout/PrintTemplate.jsp">
    <put name="title" value="{title}"/>
    <put name="resume" value="{resume}"/>
    <put name="content" value="" type="string"/>
</definition>

<!-- SMS -->
<definition name=".smsLayout" page="/HTML/layout/smsTemplate.jsp">
    <put name="content" value="" type="string"/>
    <put name="contentAsMessage" value="content.noContentAsMessage"/>
</definition>
<!-- /SMS -->

<!-- Upper links. -->

<definition name=".mainUpperLinks"
page="/HTML/layout/HLinksTemplate.jsp">
    <putList name="hLinks">
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/MainUserProfilePage.do"
        value="links.userProfile.title"/>
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/MainHolidaysServicePage.do"
        value="links.holidaysService.title"/>
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/MainUtilitiesPage.do"
        value="links.utilities.title"/>
    </putList>
</definition>

<definition name=".actionUpperLinks"
page="/HTML/layout/HLinksTemplate.jsp">
    <putList name="hLinks">
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/Adm/GoToLoginAsUser.do"
        value="link.userProfile.loginAsUser" role="adm"/>
        <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Logout.do"
        value="link.userProfile.logout"/>

```

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```
</putList>
</definition>

<!-- Left Links. -->

<definition name=".vUserProfileLinks"
page="/HTML/layout/VLinksTemplate.jsp">
  <put name="vTitle" value="links.userProfile.title"/>
  <putList name="vLinks">
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/Adm/GoToRegisterUser.do"
      value="link.userProfile.registerUser" role="adm"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/ViewUserProfile.do"
      value="link.userProfile.view"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/GoToChangePassword.do"
      value="link.userProfile.changePassword"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/GoToFindUser.do"
      value="link.userProfile.findUser"/>
  </putList>
</definition>

<definition name=".vHolidaysLinks"
page="/HTML/layout/VLinksTemplate.jsp">
  <put name="vTitle" value="links.holidaysService.title"/>
  <putList name="vLinks">
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/Adm/GoToRegisterHolidaysService.do"
      value="link.holidays.registerHolidaysService" role="adm"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/Adm/GoToFindHolidaysService.do?count=5"
      value="link.holidays.findHolidaysService" role="adm"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/FindUserHolidaysService.do?count=5"
      value="link.holidays.findHolidaysService" role="user"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/GoToRegisterHolidaysRequest.do"
      value="link.holidays.registerHolidaysRequest"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/Adm/GoToFindHolidaysRequest.do"
      value="link.holidays.findHolidaysRequest" role="adm"/>
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/GoToFindHolidaysRequest.do"
      value="link.holidays.findHolidaysRequest" role="user"/>
  </putList>
</definition>
```

---

---

```

        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/FindHolidaysProfile.do?count=5"
            value="link.holidays.findHolidaysProfile" role="user"/>
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/Adm/GoToFindHolidaysProfile.do"
            value="link.holidays.viewHolidaysProfile" role="adm"/>
    </putList>
</definition>

<definition name=".vUtilitiesLinks"
page="/HTML/layout/VLinksTemplate.jsp">
    <put name="vTitle" value="links.utilities.title"/>
    <putList name="vLinks">
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterUserForm.do"
            value="link.userProfile.registerUser.printForm"
            target="_blank"/>
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterHolidaysServiceForm.do"
            value="link.holidays.registerHolidaysService.printForm"
            target="_blank"/>
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterHolidaysRequestForm.do"
            value="link.holidays.registerHolidaysRequest.printForm"
            target="_blank"/>
        <!-- SMS -->
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/HelpSms.do"
            value="sms.link.helpSms"/>
        <!-- /SMS -->
    </putList>
</definition>

<!-- Page Links -->

<definition name=".registerUserLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterUserForm.do"
            value="link.printForm" target="_blank"/>
    </putList>
</definition>

<definition name=".viewUserProfileLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item

```

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```
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/PrintViewUserProfile.do"
value="link.userProfile.view.print" target="_blank"/>
    <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/GoToUpdateUserProfile.do"
value="link.userProfile.updateUserProfile" role="user"/>
    <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/Adm/GoToUpdateUserProfile.do"
value="link.userProfile.updateUserProfile" role="adm"/>
    <item
        classtype="application.util.view.tiles.PlusTargetMenuItem"
        link="/Auth/GoToChangePhone.do"
value="link.userProfile.changePhone"/>
</putList>
</definition>

<definition name=".changePasswordLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/Adm/GoToGivePassword.do"
            value="link.userProfile.givePassword" role="adm"/>
        </item>
    </putList>
</definition>

<definition name=".changePhoneLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/Adm/GoToChangePhone.do"
            value="link.userProfile.givePhone" role="adm"/>
        </item>
    </putList>
</definition>

<definition name=".registerHolidaysServiceLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterHolidaysServiceForm.do"
            value="link.printForm" target="_blank"/>
        </item>
    </putList>
</definition>

<definition name=".registerHolidaysRequestLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
    <putList name="pageLinks">
        <item
            classtype="application.util.view.tiles.PlusTargetMenuItem"
            link="/Auth/PrintRegisterHolidaysRequestForm.do"
            value="link.printForm" target="_blank"/>
        </item>
    </putList>
</definition>
```

---



---

```
</definition>

<!-- SMS -->
<definition name=".helpSmsLinks"
page="/HTML/layout/PageLinksTemplate.jsp">
  <putList name="pageLinks">
    <item
      classtype="application.util.view.tiles.PlusTargetMenuItem"
      link="/Auth/PrintHelpSms.do" value="sms.link.printTutorial"
      target="_blank"/>
    </putList>
  </definition>
<!-- /SMS -->

<!-- General Pages -->

<definition name=".authenticate" extends=".basicLayout">
  <put name="title" value="title.userProfile.login"/>
  <put name="resume" value="resume.userProfile.login"/>
  <put name="content" value="/HTML/Login.jsp"/>
</definition>

<definition name=".internalError" extends=".defaultLayout">
  <put name="title" value="title.internalError"/>
  <put name="resume" value="resume.internalError"/>
  <put name="contentAsMessage" value="internalError.content"/>
</definition>

<definition name=".success" extends=".defaultLayout">
  <put name="title" value="title.success"/>
  <put name="resume" value="resume.success"/>
  <put name="contentAsMessage" value="success.content"/>
</definition>

<definition name=".administratorRequired" extends=".defaultLayout">
  <put name="title" value="title.administratorRequired"/>
  <put name="resume" value="resume.administratorRequired"/>
  <put name="contentAsMessage"
    value="administratorRequired.content"/>
</definition>

<definition name=".mainPage" extends=".defaultLayout">
  <put name="title" value="title.mainPage"/>
  <put name="resume" value="resume.mainPage"/>
  <put name="content" value="/HTML/MainPage.jsp"/>
</definition>

<!-- User Profile Related Pages -->

<definition name=".mainUserProfilePage" extends=".defaultLayout">
  <put name="title" value="title.userProfile.mainPage."/>
  <put name="resume" value="resume.userProfile.mainPage"/>
  <put name="content" value="/HTML/MainUserProfilePage.jsp"/>
</definition>
```

---

---

```
<definition name=".registerUser" extends=".defaultLayout">
  <put name="title" value="title.userProfile.registerUser"/>
  <put name="page_links" value=".registerUserLinks"/>
  <put name="resume" value="resume.userProfile.registerUser"/>
  <put name="content" value="/HTML/RegisterUser.jsp"/>
</definition>

<definition name=".viewUserProfile" extends=".defaultLayout">
  <put name="title" value="title.userProfile.view"/>
  <put name="page_links" value=".viewUserProfileLinks"/>
  <put name="resume" value="resume.userProfile.view"/>
  <put name="content" value="/HTML/ViewUserProfile.jsp"/>
</definition>

<definition name=".updateUserProfile" extends=".defaultLayout">
  <put name="title" value="title.userProfile.update"/>
  <put name="resume" value="resume.userProfile.update"/>
  <put name="content" value=".updateUserProfileContent"/>
</definition>

<definition name=".updateUserProfileContent"
page="/HTML/UpdateUserProfile.jsp">
  <put name="action" value="/Auth/UpdateUserProfile.do"/>
</definition>

<definition name=".administratorUpdateUserProfile"
extends=".defaultLayout">
  <put name="title" value="title.userProfile.update.administrator"/>
  <put name="resume"
    value="resume.userProfile.update.administrator"/>
  <put name="content"
    value=".administratorUpdateUserProfileContent"/>
</definition>

<definition name=".administratorUpdateUserProfileContent"
page="/HTML/UpdateUserProfile.jsp">
  <put name="action" value="/Auth/Adm/UpdateUserProfile.do"/>
</definition>

<definition name=".changePassword" extends=".defaultLayout">
  <put name="title" value="title.userProfile.changePassword"/>
  <put name="page_links" value=".changePasswordLinks"/>
  <put name="resume" value="resume.userProfile.changePassword"/>
  <put name="content" value="/HTML/ChangePassword.jsp"/>
</definition>

<definition name=".givePassword" extends=".defaultLayout">
  <put name="title" value="title.userProfile.givePassword"/>
  <put name="resume" value="resume.userProfile.givePassword"/>
  <put name="content" value="/HTML/GivePassword.jsp"/>
</definition>

<definition name=".changePhone" extends=".defaultLayout">
  <put name="title" value="title.userProfile.changePhone"/>
  <put name="page_links" value=".changePhoneLinks"/>
  <put name="resume" value="resume.userProfile.changePhone"/>
</definition>
```

---

---

```
<put name="content" value="/HTML/ChangePhone.jsp"/>
</definition>

<definition name=".givePhone" extends=".defaultLayout">
  <put name="title" value="title.userProfile.givePhone"/>
  <put name="resume" value="resume.userProfile.givePhone"/>
  <put name="content" value="/HTML/GivePhone.jsp"/>
</definition>

<definition name=".loginAsUser" extends=".defaultLayout">
  <put name="title" value="title.userProfile.loginAsUser"/>
  <put name="resume" value="resume.userProfile.loginAsUser"/>
  <put name="content" value="/HTML/LoginAsUser.jsp"/>
</definition>

<definition name=".findUser" extends=".defaultLayout">
  <put name="title" value="title.userProfile.findUser"/>
  <put name="resume" value="resume.userProfile.findUser"/>
  <put name="content" value="/HTML/FindUser.jsp"/>
</definition>

<definition name=".findUserResult" extends=".defaultLayout">
  <put name="title" value="title.userProfile.findUserResult"/>
  <put name="page_links"
    value="/HTML/common/FindResultPageLink.jsp"/>
  <put name="resume" value="resume.userProfile.findUserResult"/>
  <put name="content" value="/HTML/FindUserResult.jsp"/>
</definition>

<!-- Holidays Service Relate Actions -->

<definition name=".mainHolidaysServicePage" extends=".defaultLayout">
  <put name="title" value="title.holidays.mainPage"/>
  <put name="resume" value="resume.holidays.mainPage"/>
  <put name="content" value="/HTML/MainHolidaysServicePage.jsp"/>
</definition>

<definition name=".registerHolidaysService" extends=".defaultLayout">
  <put name="title" value="title.holidays.registerHolidaysService"/>
  <put name="page_links" value=".registerHolidaysServiceLinks"/>
  <put name="resume"
    value="resume.holidays.registerHolidaysService"/>
  <put name="content" value="/HTML/RegisterHolidaysService.jsp"/>
</definition>

<definition name=".findHolidaysService" extends=".defaultLayout">
  <put name="title" value="title.holidays.findHolidaysService"/>
  <put name="resume" value="resume.holidays.findHolidaysService"/>
  <put name="content" value="/HTML/FindHolidaysService.jsp"/>
</definition>

<definition name=".findHolidaysServiceResult"
extends=".defaultLayout">
  <put name="title"
    value="title.holidays.findHolidaysServiceResult"/>
```

---

---

```
<put name="page_links"
  value="/HTML/common/FindResultPageLink.jsp"/>
<put name="resume"
  value="resume.holidays.findHolidaysServiceResult"/>
<put name="content" value="/HTML/FindHolidaysServiceResult.jsp"/>
</definition>

<definition name=".updateHolidaysService" extends=".defaultLayout">
  <put name="title" value="title.holidays.updateHolidaysService"/>
  <put name="resume" value="resume.holidays.updateHolidaysService"/>
  <put name="content" value="/HTML/UpdateHolidaysService.jsp"/>
</definition>

<definition name=".registerHolidaysRequest" extends=".defaultLayout">
  <put name="title" value="title.holidays.registerHolidaysRequest"/>
  <put name="page_links" value=".registerHolidaysRequestLinks"/>
  <put name="resume"
    value="resume.holidays.registerHolidaysRequest"/>
  <put name="content" value="/HTML/RegisterHolidaysRequest.jsp"/>
</definition>

<definition name=".previewRegisterHolidaysRequest"
extends=".defaultLayout">
  <put name="title"
    value="title.holidays.confirmRegisterHolidaysRequest"/>
  <put name="resume"
    value="resume.holidays.confirmRegisterHolidaysRequest"/>
  <put name="content"
    value="/HTML/ConfirmRegisterHolidaysRequest.jsp"/>
</definition>

<definition name=".viewHolidaysRequest" extends=".defaultLayout">
  <put name="title" value="title.holidays.viewHolidaysRequest"/>
  <put name="page_links"
    value="/HTML/common/ViewHolidaysRequestPageLink.jsp"/>
  <put name="resume" value="resume.holidays.viewHolidaysRequest"/>
  <put name="content" value="/HTML/ViewHolidaysRequest.jsp"/>
</definition>

<definition name=".findHolidaysRequest" extends=".defaultLayout">
  <put name="title" value="title.holidays.findHolidaysRequest"/>
  <put name="resume" value="resume.holidays.findHolidaysRequest"/>
  <put name="content" value=".findHolidaysRequestContent"/>
</definition>

<definition name=".findHolidaysRequestContent"
page="/HTML/FindHolidaysRequest.jsp">
  <put name="action" value="Auth/FindHolidaysRequest.do"/>
</definition>

<definition name=".findHolidaysRequestResult"
extends=".defaultLayout">
  <put name="title"
value="title.holidays.findHolidaysRequestResult"/>
  <put name="page_links"
    value="/HTML/common/FindResultPageLink.jsp"/>
</definition>
```

---

---

```
<put name="resume"
  value="resume.holidays.findHolidaysRequestResult"/>
<put name="content" value="/HTML/FindHolidaysRequestResult.jsp"/>
</definition>

<definition name=".administratorFindHolidaysRequest"
extends=".defaultLayout">
  <put name="title"
    value="title.holidays.findHolidaysRequest.administrator"/>
  <put name="resume"
    value="resume.holidays.findHolidaysRequest.administrator"/>
  <put name="content"
    value=".administratorFindHolidaysRequestContent"/>
</definition>

<definition name=".administratorFindHolidaysRequestContent"
page="/HTML/FindHolidaysRequest.jsp">
  <put name="action" value="Auth/Adm/FindHolidaysRequest.do"/>
</definition>

<definition name=".viewHolidaysProfile" extends=".defaultLayout">
  <put name="title" value="title.holidays.viewHolidaysProfile"/>
  <put name="page_links"
    value="/HTML/common/FindResultPageLink.jsp"/>
  <put name="resume" value="resume.holidays.viewHolidaysProfile"/>
  <put name="content" value="/HTML/ViewHolidaysProfile.jsp"/>
</definition>

<definition name=".findHolidaysProfile" extends=".defaultLayout">
  <put name="title" value="title.holidays.findHolidaysProfile"/>
  <put name="resume" value="resume.holidays.findHolidaysProfile"/>
  <put name="content" value="/HTML/FindHolidaysProfile.jsp"/>
</definition>

<!-- Utilities Relate Actions -->

<definition name=".mainUtilitiesPage" extends=".defaultLayout">
  <put name="title" value="title.utilities.mainPage"/>
  <put name="resume" value="resume.utilities.mainPage"/>
  <put name="content" value="/HTML/MainUtilitiesPage.jsp"/>
</definition>

<!-- Printable versions -->

<definition name=".printRegisterUserForm" extends=".printLayout">
  <put name="title"
    value="title.userProfile.registerUser.printForm"/>
  <put name="resume"
    value="resume.userProfile.registerUser.printForm"/>
  <put name="content" value="/HTML/RegisterUser.jsp"/>
</definition>

<definition name=".printViewUserProfile" extends=".printLayout">
  <put name="title" value="title.userProfile.view.print"/>
  <put name="resume" value="resume.userProfile.view.print"/>
</definition>
```

---

---

```
<put name="content" value="/HTML/ViewUserProfile.jsp"/>
</definition>

<definition name=".printFindUserResult" extends=".printLayout">
  <put name="title" value="title.userProfile.findUserResult.print"/>
  <put name="resume"
    value="resume.userProfile.findUserResult.print"/>
  <put name="content" value="/HTML/FindUserResult.jsp"/>
</definition>

<definition name=".printRegisterHolidaysServiceForm"
extends=".printLayout">
  <put name="title"
    value="title.holidays.registerHolidaysService.printForm"/>
  <put name="resume"
    value="resume.holidays.registerHolidaysService.printForm"/>
  <put name="content" value="/HTML/RegisterHolidaysService.jsp"/>
</definition>

<definition name=".printFindHolidaysServiceResult"
extends=".printLayout">
  <put name="title"
    value="title.holidays.findHolidaysServiceResult.print"/>
  <put name="resume"
    value="resume.holidays.findHolidaysServiceResult.print"/>
  <put name="content" value="/HTML/FindHolidaysServiceResult.jsp"/>
</definition>

<definition name=".printRegisterHolidaysRequestForm"
extends=".printLayout">
  <put name="title"
    value="title.holidays.registerHolidaysRequest.printForm"/>
  <put name="resume"
    value="resume.holidays.registerHolidaysRequest.printForm"/>
  <put name="content" value="/HTML/RegisterHolidaysRequest.jsp"/>
</definition>

<definition name=".printViewHolidaysRequest" extends=".printLayout">
  <put name="title"
    value="title.holidays.viewHolidaysRequest.print"/>
  <put name="resume"
    value="resume.holidays.viewHolidaysRequest.print"/>
  <put name="content" value="/HTML/ViewHolidaysRequest.jsp"/>
</definition>

<definition name=".printFindHolidaysRequestResult"
extends=".printLayout">
  <put name="title"
    value="title.holidays.findHolidaysRequestResult.print"/>
  <put name="resume"
    value="resume.holidays.findHolidaysRequestResult.print"/>
  <put name="content" value="/HTML/FindHolidaysRequestResult.jsp"/>
</definition>

<definition name=".printViewHolidaysProfile" extends=".printLayout">
```

---

---

```
<put name="title"
  value="title.holidays.findHolidaysProfile.print"/>
<put name="resume"
  value="resume.holidays.findHolidaysProfile.print"/>
<put name="content" value="/HTML/ViewHolidaysProfile.jsp"/>
</definition>

<!-- SMS -->

<definition name=".sendReport" extends=".defaultLayout">
  <put name="title" value="title.sms.sendReport"/>
  <put name="resume" value="resume.sms.sendReport"/>
  <put name="content" value="/HTML/SendReport.jsp"/>
</definition>

<definition name=".kannel" extends=".defaultLayout">
  <put name="title" value="title.sms.kannelReport"/>
  <put name="resume" value="resume.sms.kannelReport"/>
  <put name="content" value="/HTML/kannel.jsp"/>
</definition>

<definition name=".helpSms" extends=".defaultLayout">
  <put name="title" value="sms.title.helpSms"/>
  <put name="page_links" value=".helpSmsLinks"/>
  <put name="resume" value="sms.resume.helpSms"/>
  <put name="content" value="/HTML/HelpSmsPage.jsp"/>
</definition>

<definition name=".printHelpSms" extends=".printLayout">
  <put name="title" value="sms.title.helpSms.print"/>
  <put name="resume" value="sms.resume.helpSms.print"/>
  <put name="content" value="/HTML/HelpSmsPage.jsp"/>
</definition>

<definition name=".smsInternalError" extends=".smsLayout">
  <put name="contentAsMessage" value="internalError.content"/>
</definition>

<definition name=".smsSuccess" extends=".smsLayout">
  <put name="content" value="/HTML/smsSuccessPage.jsp"/>
</definition>

<definition name=".smsInput" extends=".smsLayout">
  <put name="content" value="/HTML/smsInputPage.jsp"/>
</definition>

<definition name=".smsHelp" extends=".smsLayout">
  <put name="content" value="/HTML/smsHelpPage.jsp"/>
</definition>

<!-- /SMS -->

</tiles-definitions>
```

---

**WEB-INF/classes/Messages.properties**

```
# ERRORS
error.action.changePassword = Si no recuerda su contraseña, pongase en
    contacto con su administrador.
error.action.changePhone = Si no recuerda su contraseña, pongase en
    contacto con su administrador.
error.action.login = Si no recuerda su identificador de usuario o
    contraseña, pongase en contacto con su administrador.

errors.footer = </b></font>
errors.header = <font color\="red" size\="-1"><b>

errors.integer = {0} debe ser un número entero.
errors.required = Campo obligatorio.
errors.date = Fecha no válida.

errorsMessage.duplicated.loginName = El identificador de usuario ya
    existe.
errorsMessage.incorrect.password = Contraseña incorrecta.

errorsMessage.mask.document = {0} no válido (8 dígitos y una letra).
errorsMessage.mask.format = Valor incorrecto. Formato válido: {0}.
errorsMessage.mask.invalid = {0} no válido.
errorsMessage.mask.invalidPhone = Teléfono no apto para el servicio.
    Actualmente servicio sólo disponible para móviles inscritos en
    España.
errorsMessage.mask.login = {0} valor incorrecto. Introduzca de 3 a 9
    caracteres alfanuméricos.

errorsMessage.notFound.loginName = Identificador de usuario no
    encontrado.

errorsMessage.notMatching = Valor incorrecto de "{0}".
errorsMessage.notMatching.password = Contraseñas no coinciden.

errorsMessage.notMachingPeriod.holidaysRequest=Las fechas de solicitud
    deben pertenecer al mismo año.
errorsMessage.incorrect.holidaysrequest = Fecha de solicitud
    incorrecta
errorsMessage.serviceNotAvaliable = El usuario no está dado de alta en
    este servicio para el periodo solicitado
errorsMessage.requestAlreadyExist = Período de vacaciones ya
    solicitado anteriormente.

# DEFAULT

default.yes = Sí
default.no = No

buttons.accept = Aceptar
buttons.cancel = Cancelar
buttons.update.state = Actualizar estado
buttons.reject = Rechazar
```

---



```
buttons.reset = Reset

content.noContentAsMessage
content.footer = Aplicación ejemplo

administratorRequired.content = <p class="internalError">Necesita
    permisos de administrador para realizar la operación
    solicitada.</p>
internalError.content = <p class="internalError">Se ha producido un
    error interno. Compruebe si la operación se ha realizado con
    éxito.</p>

success.content = <p class="success">Su operación se ha realizado con
    éxito.</p>

find.count = count
find.isDesc = DESC
find.isUserLoaded = Mostrar sólo los datos referentes a
find.pattern = Seleccione el PATRÓN que desea encontrar
find.propertyByName = propertyByName
find.propertyInName = propertyInName
find.since = Desde
find.startIndex = startIndex

find.repeat = Repetir búsqueda anterior
find.result.empty = No hay más elementos que cumplan sus patrones de
    búsqueda

find.result.pattern = Patrón de búsqueda
find.result.propertyInName = Buscar en
find.result.propertyByName = Resultado de búsqueda ordenado según
find.result.isDesc = Orden descendente

find.rules.actionAdvance = BÚSQUEDA AVANZADA
find.rules.pattern = Si lo desea puede utilizar el símbolo % como
    comodín de búsqueda. Ej.: %r%
find.rules.prefered = Si lo prefiere puede realizar una
find.rules.propertyByName = Indique con que criterio quiere ordenar el
    resultado de su búsqueda
find.rules.propertyInName = Seleccione dónde desea encontrar el patrón
    anterior
find.rules.desc = Marcar si se quiere mostrar los resultados en orden
    descendiente según el criterio elegido

find.state.all=Todas
find.state.notTramitted=No tramitada
find.state.accepted=Aceptadas
find.state.rejected=Rechazadas
find.state.cancelled=Canceladas

find.user.allByLoginName = TODOS los usuarios según IDENTIFICADOR DE
    USUARIO
find.user.allByFirstName = TODOS los usuarios según NOMBRE
find.user.allBySurname = TODOS los usuarios según APELLIDOS
```

```
find.holidaysService.period = Si lo prefiere, seleccione un período de
    la lista
find.holidaysService.user = Ver servicios de vacaciones del usuario
find.holidaysProfile.user = Ver perfil de vacaciones del usuario
find.holidaysProfile.period = Si lo prefiere, seleccione un período de
    la lista

find.state.leyend=Estado: [0 = No tramitada] [1 = Aceptada] [2 =
    Rechazada] [3 = Cancelada]

rules.copyForm = Entregue este formulario al personal responsable y
    conserve una copia
rules.confirmHolidaysRequest = Confirme que desea realizar la
    siguiente solicitud de vacaciones
rules.includeLoginName.session = Introduzca el identificador de
    usuario que desea cargar en sesión
rules.includeNewPhone = Introduzca su nuevo número de teléfono
rules.includePassword = Introduzca su contraseña para poder realizar
    la acción
rules.includeOldPassword = Introduzca a continuación el valor actual
    de su contraseña
rules.includeNewPassword = Introduzca a continuación la nueva
    contraseña y su confirmación
rules.notMandatoryField = Este campo no tiene carácter obligatorio
rules.mandatoryFields = Los campos marcados con un asterisco (*) son
    campos obligatorios

rules.loginName.value = El identificador de usuario puede estar
    condicionado por reglas del sistema
rules.loginName.propose = El valor proporcionado sólo tiene carácter
    de propuesta, pudiendo ser o no el identificador finalmente
    asignado
rules.loginName.final = Una vez asignado un identificador no podrá ser
    modificado

rules.password.temporary = La contraseña solicitada se aplicará sólo
    de modo provisional
rules.password.changeMandatory = Una vez dado de alta en el sistema,
    el usuario deberá cambiar esta contraseña

rules.period.format = El período proporcionado debe corresponderse con
    períodos anuales y tener el formato yyyy
rules.days.format = Proporcione un número entero correspondiente a los
    días de vacaciones anuales correspondientes al usuario

rules.phone.info = El teléfono proporcionado se utilizará para envío
    de información relacionada con las operaciones realizadas a
    través de este portal

rules.holidaysRequest.dates = Indique la fecha de inicio y fin
    incluidas en el período solicitado

#HOLIDAYS REQUEST SERVICE
```

---

```
#holidays profile
holidaysProfile.daysLeft = Días pendientes

#holidays request
holidaysrequest.days.title = Días solicitados

holidaysRequest.autoId = Identificador de solicitud
holidaysRequest.dateDetails = Detalles de periodo solicitado
holidaysRequest.dateFormat = dd-mm-yyyy
holidaysRequest.details = Detalles de contacto
holidaysRequest.finalDate = Fecha de finalizacion
holidaysRequest.period = Periodo al que pertenece
holidaysRequest.state = Estado de solicitud
holidaysRequest.startDate = Fecha de inicio
holidaysRequest.stateDate = Fecha de solicitud o modificación de
    estado
holidaysRequest.stateDetails = Detalles de estado de solicitud
holidaysRequest.workingDays = Días laborables

#holidays service
holidaysService.title = Servicio de vacaciones

holidaysService.days = Días totales de vacaciones
holidaysService.period = Período de servicio de vacaciones

# USER PROFILE

userProfile.address = Dirección
userProfile.details = Detalles
userProfile.document = DNI
userProfile.email = E-mail
userProfile.firstName = Nombre
userProfile.isAdministrator = Administrador
userProfile.loginName = Identificador de usuario
userProfile.password = Contraseña
userProfile.phone = Teléfono
userProfile.retypePassword = Confirmar contraseña
userProfile.surname = Apellidos

userProfile.access.title = Detalles de permisos de usuario
userProfile.details.title = Detalles de perfil de usuario
userProfile.sms.title = Detalles de recepción de sms

userProfile.notes = Observaciones

#LINKS
link.printForm = Imprimir formulario
link.findResult.showAll = Mostrar todos los resultados
link.findResult.print = Imprimir resultado de búsqueda
links.next=Siiguiente
links.previous=Anterior
link.edit=Editar
```

---

```

links.holidaysService.title = :: Servicio de vacaciones ::

link.holidays.viewHolidaysRequest.print = Imprimir solicitud

link.holidays.registerHolidaysRequest.printForm = Formulario de
solicitud de vacaciones
link.holidays.registerHolidaysService = Registrar servicio de
vacaciones
link.holidays.registerHolidaysService.printForm = Formulario de
registro de servicio de vacaciones
link.holidays.findHolidaysService = Ver servicio de vacaciones
link.holidays.registerHolidaysRequest = Solicitar vacaciones o
permisos
link.holidays.findHolidaysRequest = Ver solicitudes de vacaciones
link.holidays.findHolidaysProfile = Ver perfil de vacaciones
link.holidays.viewHolidaysProfile = Ver perfil de vacaciones

links.utilities.title = :: Utilidades ::

links.userProfile.title = :: Perfil de usuario ::

link.userProfile.changePhone = Cambiar teléfono
link.userProfile.changePassword = Cambiar contraseña
link.userProfile.findUser = Búsqueda de usuario
link.userProfile.givePassword=Dar nueva contraseña
link.userProfile.givePhone = Dar nuevo número de teléfono
link.userProfile.loginAsUser = Cambiar de usuario
link.userProfile.logout = Salir
link.userProfile.registerUser = Registrar usuario
link.userProfile.registerUser.prinForm = Formulario de registro de
usuario
link.userProfile.updateUserProfile = Editar perfil
link.userProfile.view = Perfil de usuario
link.userProfile.view.print = Imprimir perfil de usuario

#RESUME
resume.administratorRequired = Error Administrador
resume.internalError = Error Interno
resume.mainPage = Página principal
resume.success = Operación con éxito

resume.holidays.confirmRegisterHolidaysRequest = Confirmación de
petición de vacaciones
resume.holidays.findHolidaysProfile = Búsqueda de perfil de vacaciones
resume.holidays.findHolidaysRequest = Búsqueda de solicitud de
vacaciones (y días de permiso)
resume.holidays.findHolidaysRequest.administrator = Búsqueda de
solicitud de vacaciones (y días de permiso)
resume.holidays.findHolidaysRequestResult = Resultado de búsqueda de
solicitud de vacaciones (y permisos)
resume.holidays.findHolidaysRequestResult.print = Resultado de
búsqueda de solicitud de vacaciones (y permisos)
resume.holidays.findHolidaysService = Búsqueda de servicio de
vacaciones
resume.holidays.findHolidaysServiceResult = Resultado de búsqueda de
servicio de vacaciones

```

---

```
resume.holidays.findHolidaysServiceResult.print = Resultado de
    búsqueda de servicio de vacaciones
resume.holidays.mainPage = Página principal del servicio de solicitud
    de vacaciones y días de permiso
resume.holidays.registerHolidaysRequest = Formulario de registro de
    petición de vacaciones
resume.holidays.registerHolidaysRequest.printForm = Solicitud de
    vacaciones (y días de permiso)
resume.holidays.registerHolidaysService = Formulario de registro de
    servicio de vacaciones
resume.holidays.updateHolidaysService = Formulario de actualización de
    servicio de vacaciones
resume.holidays.registerHolidaysService.printForm = Solicitud de
    servicio de vacaciones
resume.holidays.viewHolidaysProfile = Perfil de vacaciones
resume.holidays.viewHolidaysProfile.print = Perfil de vacaciones
resume.holidays.viewHolidaysRequest = Solicitud de vacaciones (o
    permisos)
resume.holidays.viewHolidaysRequest.print = Solicitud de vacaciones (o
    permisos)

resume.userProfile.changePassword = Formulario de cambio de contraseña
resume.userProfile.changePhone = Formulario de cambio de teléfono
resume.userProfile.findUser = Formulario de búsqueda de usuario
resume.userProfile.findUserResult = Resultado de búsqueda de usuario
resume.userProfile.findUserResult.print = Resultado de búsqueda de
    usuario
resume.userProfile.givePassword = Formulario de nueva contraseña
resume.userProfile.givePhone = Formulario de nuevo número de teléfono
resume.userProfile.login = Formulario de autenticación
resume.userProfile.loginAsUser = Cambio de usuario
resume.userProfile.mainPage = Página principal del servicio de perfil
    de usuario
resume.userProfile.registerUser = Formulario de registro de usuario
resume.userProfile.registerUser.printForm = Solicitud de registro de
    usuario
resume.userProfile.update = Formulario de actualización de perfil de
    usuario
resume.userProfile.update.administrator = Formulario de actualización
    de perfil de usuario
resume.userProfile.view = Perfil de usuario
resume.userProfile.view.print = Perfil de usuario

resume.utilities.mainPage = Utilidades

#TITLE
title.administratorRequired = Error Administrador
title.internalError = Error Interno
title.mainPage = Página principal
title.success = Operación con éxito

title.holidays.confirmRegisterHolidaysRequest = Confirmación de
    petición de vacaciones
title.holidays.findHolidaysProfile = Búsqueda de perfil de vacaciones
```

---

title.holidays.findHolidaysRequest = Búsqueda de solicitud de vacaciones (y días de permiso)  
title.holidays.findHolidaysRequest.administrator = Búsqueda de solicitud de vacaciones (y días de permiso) (Administrador)  
title.holidays.findHolidaysRequestResult = Resultado de búsqueda de solicitud de vacaciones (y permisos)  
title.holidays.findHolidaysRequestResult.print = Resultado de búsqueda de solicitud de vacaciones (y permisos) (Vista impresión)  
title.holidays.findHolidaysService = Búsqueda de servicio de vacaciones  
title.holidays.findHolidaysServiceResult = Resultado de búsqueda de servicio de vacaciones  
title.holidays.findHolidaysServiceResult.print = Resultado de búsqueda de servicio de vacaciones (Vista impresión)  
title.holidays.mainPage = Servicio de solicitud de vacaciones y permisos  
title.holidays.registerHolidaysRequest = Registro de petición de vacaciones  
title.holidays.registerHolidaysRequest.printForm = Formulario de solicitud de vacaciones (y días de permiso)  
title.holidays.registerHolidaysService = Registro de servicio de vacaciones  
title.holidays.registerHolidaysService.printForm = Formulario de solicitud de servicio de vacaciones  
title.holidays.updateHolidaysService = Actualización de servicio de vacaciones  
title.holidays.viewHolidaysProfile = Perfil de vacaciones  
title.holidays.viewHolidaysProfile.print = Perfil de vacaciones (Vista impresión)  
title.holidays.viewHolidaysRequest = Solicitud de vacaciones (o permisos)  
title.holidays.viewHolidaysRequest.print = Solicitud de vacaciones (o permisos) (Vista impresión)

title.userProfile.changePassword = Cambio de contraseña  
title.userProfile.changePhone = Cambio de teléfono  
title.userProfile.findUser = Búsqueda de usuario  
title.userProfile.findUserResult = Resultado de búsqueda de usuario  
title.userProfile.findUserResult.print = Resultado de búsqueda de usuario (Vista impresión)  
title.userProfile.givePassword = Nueva contraseña  
title.userProfile.givePhone = Nuevo número de teléfono  
title.userProfile.login = Autenticación  
title.userProfile.loginAsUser = Cambio de usuario  
title.userProfile.mainPage = Servicio de perfil de usuario  
title.userProfile.registerUser = Registro de usuario  
title.userProfile.registerUser.printForm = Formulario de registro de usuario  
title.userProfile.update = Actualización de perfil de usuario  
title.userProfile.update.administrator = Actualización de perfil de usuario (Administrador)  
title.userProfile.view = Perfil de usuario  
title.userProfile.view.print = Perfil de usuario (Vista impresión)

title.utilities.mainPage = Utilidades

---

```
#SMS
```

```
errorsMessage.smsRequired = {0} campo obligatorio.
errorsMessage.smsMask.format = {0} valor incorrecto, formato válido:
    {1}.
errorsMessage.smsDate = {0} fecha no válida.

errorsMessage.operationNotAllowed = Operación no permitida.
errorsMessage.notFound.autoId = Solicitud de usuario no encontrada.

title.sms.sendReport = Opción de notificación
resume.sms.sendReport = Opción de notificación
sendReport.option = ¿Desea enviar notificación de la operación por
    SMS?

title.sms.kannelReport = Informe de operación
resume.sms.kannelReport = Informe de operación

kannel.report.sms=Informe del servidor de mensajes cortos
kannel.report.serverstatus=Estado de servidor de mensajes cortos
kannel.error.smsnotsent=No se ha podido enviar mensaje
kannel.error.noconnection=No se ha podido establecer conexi\u00F3n con
    el servidor de mensajes cortos.

title.input = Notificación de errores en operación:
sms.title.success = Su operación se ha realizado con éxito.

sms.link.helpSms = Manual de operaciones SMS

sms.title.helpSms = Manual de operaciones SMS
sms.resume.helpSms = Manual de operaciones SMS
sms.title.helpSms.print = Manual de operaciones SMS (Versión
    impresión)
sms.resume.helpSms.print = Manual de operaciones SMS
sms.link.printTutorial = Imprimir manual

sms.help = SETPHONE HREQUEST HRCANCEL HRVIEW HPVVIEW : HELP
    COMANDO(mayusculas) para mas informacion de operacion.
sms.help.hRequest = HREQUEST loginName password dinicio-minicio-
    yinicio dfinal-mfinal-yfinal [detalles] : Solicitar vacaciones
sms.help.hrCancel = HRCANCEL loginName password requestId : Cancelar
    solicitud de vacaciones
sms.help.hrView = HRVIEW loginName password requestId : Ver solicitud
    de vacaciones
sms.help.hpView = HPVVIEW loginName password period : Ver perfil de
    vacaciones
sms.help.setPhone = SETPHONE loginName password [phone] : Cambiar
    telefono de usuario

sms.help.unkownCommand = Operacion desconocida

sms.id = ID
sms.user = Usuario
sms.since = Desde
sms.to = a
```

---

```
sms.workingDays = Dias laborables  
sms.details = Detalles  
sms.period = Periodo  
sms.holidaysDays = Dias de vacaciones  
sms.holidaysLeft = Dias pendientes
```