

5.- Código de la aplicación

5.1.- m3m.asl

```
<?xml version='1.0' ?>
<!DOCTYPE asl PUBLIC "-//ITI//DTD ASL 0.6 //EN"
    "/usr/local/lib/waine-0.1.2007-02-01/lib/asl.dtd" >
<!-- Start -->

<asl>

    <include href="/usr/local/lib/waine-0.1.2007-02-
        01/include/meta.asl"/>
    <include href="/usr/local/lib/waine-0.1.2007-02-
        01/include/todo.asl"/>
    <include href="/usr/local/lib/waine-0.1.2007-02-
        01/include/message.asl"/>

    <head>
        <meta class="AppInfo" name="appname" value="m3m"/>
        <meta class="AppInfo" name="ver" value="0.1"/>
        <meta class="AppInfo" name="abstract" value="Una
            aplicacion para gestionar proyectos en metrica v3"/>
        <meta class="AppInfo" name="author" value="A.L.Delgado y
            J.A.Jimenez"/>
        <meta class="AppInfo" name="email"
            value="aldegado@gmail.com,
            elautenticopanzeco@hotmail.com"/>
        <meta class="AppInfo" name="date" value="5-01-2007"/>
    </head>

    <!-- Esta aplicacion tiene tres grupos de usuarios -->

    <group gid="0" name="root">
        <user uid="0" name="root" passwd="root" mainid="main1"
            descr="Usuario administrador"/>
    </group>
    <group gid="1" name="participante">
        <user uid="1" name="participante" passwd="participante"
            mainid="main2" descr="Participate en algun proyecto"/>
    </group>
    <group gid="2" name="invitado">
        <user uid="2" name="invitado" passwd="invitado"
            mainid="main3" descr="Invitado, para aprender"/>
    </group>

    <!-- menu asociado al usuario administrador -->

    <main id="main1" caption="Root Menu">

        <menu caption="m3m" img="usr.jpg">

            <option caption="Procesos" type="form">
                <param name="formid" value="frm_proccess"/>
            </option>
        </menu>
    </main>
</asl>
```

```
<param name="form_type" value="form"/>
<param name="button_insert" value="1"/>
<param name="button_update" value="1"/>
<param name="button_delete" value="1"/>
<param name="navigator_position" value="W"/>
<param name="navigator_fields" value="name"/>
</option>

<option caption="Actividades" call="st_creaact"/>

<option caption="Tareas" call="st_creatas"/>

<option caption="Roles" type="relation">
  <param name="form_split" value="rows=50%, */>

  <param name="formid" value="frm_profile"/>
  <param name="navigator_position" value="W"/>
  <param name="navigator_fields" value="1"/>
  <param name="navigator_width" value="32"/>
  <param name="button_data" value="1"/>

  <param ord="2" name="formid" value="frm_rol"/>
  <param ord="2" name="navigator_position" value="W"/>
  <param ord="2" name="navigator_fields" value="1"/>
  <param ord="2" name="navigator_width" value="32"/>
  <param ord="2" name="button_data" value="1"/>
  <param ord="2" name="source_filter_field"
    value="fkprofile"/>
</option>

<option caption="Técnicas" type="form">

  <param name="formid" value="frm_tecnic"/>
  <param name="form_type" value="form"/>
  <param name="button_insert" value="1"/>
  <param name="button_update" value="1"/>
  <param name="button_delete" value="1"/>
  <param name="navigator_position" value="W"/>
  <param name="navigator_width" value="32"/>
  <param name="navigator_fields" value="name"/>
</option>

<option caption="Productos de entrada" type="form">

  <param name="formid" value="frm_ip"/>
  <param name="form_type" value="form"/>
  <param name="button_insert" value="1"/>
  <param name="button_update" value="1"/>
  <param name="button_delete" value="1"/>
  <param name="navigator_position" value="W"/>
  <param name="navigator_width" value="32"/>
  <param name="navigator_fields" value="name"/>
</option>

<option caption="Productos de salida" type="form">
```

```
<param name="formid" value="frm_op"/>
<param name="form_type" value="form"/>
<param name="button_insert" value="1"/>
<param name="button_update" value="1"/>
<param name="button_delete" value="1"/>
<param name="navigator_position" value="W"/>
<param name="navigator_width" value="32"/>
<param name="navigator_fields" value="name"/>
</option>

<option caption="Relaciones" call="st_relaciones"/>

</menu>

<menu caption="Proyectos" img="usr.jpg">

<option caption="Crear Tipos" call="st_type_task"/>

<option caption="Creacion de proyectos" type="relation">
  <param name="form_split" value="rows=25%, *"/>

  <param name="formid" value="frm_type"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2"/>

  <param ord="2" name="formid" value="frm_project"/>
  <param ord="2" name="form_type" value="form"/>
  <param ord="2" name="button_insert" value="1"/>
  <param ord="2" name="button_update" value="1"/>
  <param ord="2" name="button_delete" value="1"/>
  <param ord="2" name="navigator_position" value="W"/>
  <param ord="2" name="navigator_width" value="32"/>
  <param ord="2" name="navigator_fields"
value="name"/>
  <param ord="2" name="source_filter_field"
value="fktype"/>
</option>

<option caption="Editar proyectos" call="st_editar"/>

<option caption="Asignacion de funciones"
call="st_asigna"/>

<option caption="Definir estados de las tareas"
type="form">
  <param name="formid" value="frm_estado"/>
  <param name="form_type" value="form"/>
  <param name="button_data" value="1"/>
  <param name="navigator_position" value="W"/>
  <param name="navigator_width" value="32"/>
  <param name="navigator_fields" value="estado"/>
</option>

</menu>
```

```
<menu caption="Cosas por hacer">

    <option caption="Notas" call="todo.struct.todo"/>

</menu>

<menu caption="Mensajes">

    <option caption="compose" call="message.struct.compose"/>
    <option caption="inbox" call="message.struct.inbox"/>
    <option caption="sent" call="message.struct.sent"/>

</menu>

<menu caption="Administracion de Usuarios" img="usr.jpg">

    <option caption="Usuario Administrador" type="form">

        <param name="formid" value="frm_admin"/>
        <param name="form_type" value="form"/>
        <param name="button_update" value="1"/>
        <param name="source_filter_where" value="gid=0"/>
        <param name="source_row" value="0"/>

    </option>

    <option caption="Usuarios Participantes"
call="st_participante"/>

</menu>

<menu caption="Misc" img="usr.jpg">

    <option caption="Autor" call="meta.struct.appinfo"/>
    <option caption="Desconectarse" url="logout.php" />
</menu>
</main>

<!-- Menu asociado a los usuarios participantes -->

<main id="main2" caption="Menu de participante">

    <menu caption="Consultas" img="usr.jpg">
        <option caption="Proyectos por tipo" call="st_proty"/>

        <option caption="Funciones por proyecto"
call="st_funpro"/>

        <option caption="Funciones por rol"
call="st_funrol"/>

    </menu>

    <menu caption="Proyectos" img="usr.jpg">

        <option caption="Estado de mis tareas" call="st_estado"/>

    </menu>

</main>
```

```
<option caption="Estado de proyectos" call="st_estados"/>

<option caption="Informacion de los proyectos"
  call="st_info_pro" />

</menu>

<menu caption="Cosas por hacer">

  <option caption="Notas" call="todo.struct.todo"/>

</menu>

<menu caption="Mensajes">

  <option caption="compose" call="message.struct.compose"/>
  <option caption="inbox" call="message.struct.inbox"/>
  <option caption="sent" call="message.struct.sent"/>

</menu>

<menu caption="Formacion" img="usr.jpg">

  <option caption="Ver un Proceso" type="relation">
    <param name="form_split" value="rows=25%, *"/>

    <param name="formid" value="frm_proccess"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2"/>

    <param ord="2" name="formid"
      value="frm_proccess"/>
    <param ord="2" name="form_type" value="table"/>
    <param ord="2" name="form_theme"
      value="titbody.theme"/>
    <param ord="2" name="fields_readonly" value="1:2"/>
    <param ord="2" name="form_force_table" value="1"/>
    <param ord="2" name="source_filter_field"
      value="pk"/>
  </option>

  <option caption="Lista de Procesos" type="form">
    <param name="formid" value="frm_proccess"/>
    <param name="form_type" value="table"/>
    <param name="form_force_table" value="1"/>
    <param name="fields_readonly" value="1:2"/>
    <param ord="2" name="form_theme"
      value="titbody.theme"/>
  </option>

  <option caption="Ver una Actividad" call="st_actividades"/>

</menu>
```

```
<option caption="Lista de Actividades" type="relation">
  <param name="form_split" value="rows=25%, *"/>

  <param name="formid" value="frm_proccess"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2"/>

  <param ord="2" name="formid" value="frm_activity"/>
  <param ord="2" name="form_type" value="table"/>
  <param ord="2" name="form_force_table" value="1"/>
  <param ord="2" name="fields_readonly" value="1:2:3"/>
  <param ord="2" name="fields_hidden" value="2"/>
  <param ord="2" name="form_theme"
value="titbody2.theme"/>
  <param ord="2" name="source_filter_field"
value="fkpro"/>
</option>

<option caption="Ver una Tarea" call="st_listauno"/>

<option caption="Lista de Tareas" call="st_tareas"/>

<option caption="Tecnicas, Roles y Productos de una
Tarea" call="st_listatecnicas"/>

<option caption="Lista de roles" type="relation">
  <param name="form_split" value="rows=25%, *"/>

  <param name="formid" value="frm_profile"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2"/>

  <param ord="2" name="formid" value="frm_rol"/>
  <param ord="2" name="form_type" value="table"/>
  <param ord="2" name="form_force_table" value="1"/>
  <param ord="2" name="fields_readonly"
value="1:2:3"/>
  <param ord="2" name="fields_hidden" value="2"/>
  <param ord="2" name="form_theme"
value="titbody2.theme"/>
  <param ord="2" name="source_filter_field"
value="fkprofile"/>
</option>

<option caption="Descripcion de Tecnicas y Productos"
call="st_tecyprod"/>

<option caption="Tareas por Rol" call="st_tarbyrol"/>

<option caption="Tareas por Tecnica" call="st_tarbytec"/>
```

```
<option caption="Tareas por Productos de entrada"
call="st_tarbyip"/>

<option caption="Tareas por Productos de salida"
call="st_tarbyop"/>

</menu>

<menu caption="Misc" img="usr.jpg">

    <option caption="Autor" call="meta.struct.appinfo"/>
    <option caption="Desconectarse" url="logout.php" />

</menu>
</main>

<!-- Menu asociado a los usuarios invitados -->

<main id="main3" caption="Menu de invitado">

    <menu caption="Formacion" img="usr.jpg">

        <option caption="Ver un Proceso" type="relation">
            <param name="form_split" value="rows=25%, *"/>

            <param name="formid" value="frm_proccess"/>
            <param name="form_type" value="combo"/>
            <param name="fields_hidden" value="2"/>

            <param ord="2" name="formid" value="frm_proccess"/>
            <param ord="2" name="form_type" value="table"/>
            <param ord="2" name="form_theme"
value="titbody.theme"/>
            <param ord="2" name="form_force_table" value="1"/>
            <param ord="2" name="fields_readonly" value="1:2"/>
            <param ord="2" name="source_filter_field"
value="pk"/>
        </option>

        <option caption="Lista de Procesos" type="form">
            <param name="formid" value="frm_proccess"/>
            <param ord="2" name="form_theme"
value="titbody.theme"/>
            <param name="form_type" value="table"/>
            <param name="form_force_table" value="1"/>
            <param name="fields_readonly" value="1:2"/>
        </option>

        <option caption="Ver una Actividad" call="st_actividades"/>

        <option caption="Lista de Actividades" type="relation">
            <param name="form_split" value="rows=25%, *"/>
```

```
<param name="formid" value="frm_proccess"/>
<param name="form_type" value="combo"/>
<param name="fields_hidden" value="2"/>

<param ord="2" name="formid" value="frm_activity"/>
<param ord="2" name="form_type" value="table"/>
<param ord="2" name="form_force_table" value="1"/>
<param ord="2" name="fields_readonly" value="1:2:3"/>
<param ord="2" name="fields_hidden" value="2"/>
<param ord="2" name="form_theme"
value="titbody2.theme"/>
<param ord="2" name="source_filter_field"
value="fkpro"/>
</option>

<option caption="Ver una Tarea" call="st_listauno"/>

<option caption="Lista de Tareas" call="st_tareas"/>

<option caption="Tecnicas, Roles y Productos de una
Tarea" call="st_listatecnicas"/>

<option caption="Lista de roles" type="relation">
  <param name="form_split" value="rows=25%,*"/>

  <param name="formid" value="frm_profile"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2"/>

  <param ord="2" name="formid" value="frm_rol"/>
  <param ord="2" name="form_type" value="table"/>
  <param ord="2" name="form_force_table" value="1"/>
  <param ord="2" name="fields_readonly" value="1:2:3"/>
  <param ord="2" name="fields_hidden" value="2"/>
  <param ord="2" name="form_theme"
value="titbody2.theme"/>
  <param ord="2" name="source_filter_field"
value="fkprofile"/>
</option>

<option caption="Descripcion de Tecnicas y Productos"
call="st_tecyprod"/>

<option caption="Tareas por Rol" call="st_tarbyrol"/>

<option caption="Tareas por Tecnica" call="st_tarbytec"/>

<option caption="Tareas por Productos de entrada"
call="st_tarbyip"/>
```



```
<option caption="Tareas por Productos de salida"
call="st_tarbyop"/>

</menu>

<menu caption="Misc" img="usr.jpg">

    <option caption="Autor" call="meta.struct.appinfo"/>
    <option caption="Desconectarse" url="logout.php" />

</menu>
</main>

<!-- Formularios para crear y borrar elementos -->

<form id="frm_proccess" source="Proccess" caption="Proceso">

    <orderby>pk</orderby>

    <fields>
        <key source="pk"/>
        <string source="name" caption="Nombre" len="40"
maxlen="255" msg="Name empty"/>
        <text source="descr" caption="Descripcion">
            <width>40</width>
            <height>24</height>
        </text>
    </fields>
</form>

<form id="frm_activity" source="Activity" caption="Actividad">

    <orderby>pk</orderby>

    <fields>
        <key source="pk"/>
        <string source="name" caption="Nombre" len="40"
maxlen="255" msg="Name empty"/>
        <string source="fkpro" caption="Proceso" len="40"
maxlen="255">
            <search>frm_proccess</search>
            <searchfield>name</searchfield>
        </string>
        <text source="descr" caption="Descripcion">
            <width>40</width>
            <height>24</height>
        </text>
    </fields>
</form>

<form id="frm_task" source="Task" caption="Tarea">

    <orderby>pk</orderby>

    <fields>
```

```
<key source="pk"/>
<string source="name" caption="Nombre" len="40"
maxlen="255" msg="Name empty"/>
<string source="fkact" caption="Actividad" len="40"
maxlen="255">
    <search>frm_activity</search>
    <searchfield>name</searchfield>
</string>
<text source="descr" caption="Descripcion">
    <width>40</width>
    <height>24</height>
</text>
</fields>
</form>

<form id="frm_proacttas" source="VIEW_proacttas" caption="Tarea">
    <orderby>pk</orderby>
    <fields>
        <key source="pk"/>
        <string source="pname" caption="Proceso" len="150"
maxlen="255" msg="Name empty"/>
        <string source="aname" caption="Actividad" len="150"
maxlen="255" msg="Name empty"/>
        <string source="tname" caption="Tarea" len="150"
maxlen="255" msg="Name empty"/>
    </fields>
</form>

<form id="frm_tecnic" source="Tecnic" caption="Tecnica">
    <fields>
        <key source="pk"/>
        <string source="name" caption="Name" len="40"
maxlen="255"/>
        <text source="descr" caption="Description">
            <width>40</width>
            <height>10</height>
        </text>
        <blob-file source="example" caption="Ejemplo"/>
    </fields>
</form>

<form id="frm_profile" source="Profile" caption="Profile">
    <orderby>pk</orderby>
    <fields>
        <key source="pk"/>
        <string source="name" caption="Name" len="40"
maxlen="255"/>
        <text source="descr" caption="Description">
            <width>40</width>
        </text>
    </fields>
</form>
```

```
<form id="frm_rol" source="Rol" caption="Rol">
  <orderby>name</orderby>
  <fields>
    <key source="pk"/>
    <string source="name" caption="Name" len="40"
      maxlen="255"/>
    <int source="fkprofile" caption="Profile">
      <search>frm_profile</search>
      <searchfield>name</searchfield>
    </int>
    <text source="descr" caption="Description">
      <width>40</width>
    </text>
  </fields>
</form>

<form id="frm_op" source="OutProduct" caption="Producto de
salida">
  <orderby>name</orderby>
  <fields>
    <key source="pk"/>
    <string source="name" caption="Nombre" len="40"
      maxlen="255"/>
    <text source="descr" caption="Description">
      <width>40</width>
      <height>10</height>
    </text>
    <blob-file source="example" caption="Ejemplo"/>
  </fields>
</form>

<form id="frm_ip" source="InProduct" caption="Producto de entrada">
  <orderby>name</orderby>
  <fields>
    <key source="pk"/>
    <string source="name" caption="Nombre" len="40"
      maxlen="255"/>
    <text source="descr" caption="Description">
      <width>40</width>
      <height>10</height>
    </text>
    <blob-file source="example" caption="Ejemplo"/>
  </fields>
</form>

<!-- estructuras para crear actividades y eventos -->

<struct id="st_creaact" type="relation">
  <param name="form_split" value="rows=25%,*"/>
```

```
<param name="formid" value="frm_proccess"/>
<param name="form_type" value="combo"/>
<param name="fields_hidden" value="2"/>

<param ord="2" name="formid" value="frm_activity"/>
<param ord="2" name="form_type" value="form"/>
<param ord="2" name="button_insert" value="1"/>
<param ord="2" name="button_update" value="1"/>
<param ord="2" name="button_delete" value="1"/>
<param ord="2" name="navigator_position" value="W"/>
<param ord="2" name="navigator_width" value="32"/>
<param ord="2" name="navigator_fields" value="name"/>
<param ord="2" name="source_filter_field" value="fkpro"/>
</struct>

<struct id="st_creatas" type="relation">
  <param name="form_split" value="rows=25%,*"/>

  <param name="formid" value="frm_proccess"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2"/>

  <param ord="2" name="structid" value="st_creatasdos"/>
</struct>

<struct id="st_creatasdos" type="relation">
  <param name="form_split" value="rows=33%,*"/>

  <param name="formid" value="frm_activity"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2:3"/>
  <param name="source_filter_field" value="fkpro"/>

  <param ord="2" name="formid" value="frm_task"/>
  <param ord="2" name="form_type" value="form"/>
  <param ord="2" name="button_insert" value="1"/>
  <param ord="2" name="button_update" value="1"/>
  <param ord="2" name="button_delete" value="1"/>
  <param ord="2" name="navigator_position" value="W"/>
  <param ord="2" name="navigator_width" value="32"/>
  <param ord="2" name="navigator_fields" value="name"/>
  <param ord="2" name="source_filter_field" value="fkact"/>
</struct>

<!-- Relaciones tarea-tecnica, tarea-prod_ent, tarea-prod_sal -->

<form id="form_sel_task" source="Task" caption="Tarea">
  <orderby>name</orderby>
  <fields>
    <key source="pk"/>
    <string source="name" caption="Tipo" len="40"
      maxlen="255" msg="Name empty"/>
  </fields>
</form>
```

```
<form id="form_tastec" source="VIEW_tastec" caption="Tareas y
Técnicas">
  <orderby>pk</orderby>
  <fields>
    <key source="pk"/>
    <string source="pname" caption="Proceso" len="150"
maxlen="255" msg="Name empty"/>
    <string source="aname" caption="Actividad" len="150"
maxlen="255" msg="Name empty"/>
    <string source="tname" caption="Tarea" len="150"
maxlen="255" msg="Name empty"/>
    <int source="fktec" caption="Id de tecnica"/>
    <string source="tecname" caption="Tecnica" len="40"
maxlen="255" msg="Name empty"/>
    <text source="descr" caption="Descripcion">
      <width>40</width>
    </text>
    <blob-file source="example" caption="Ejemplo"/>
  </fields>
</form>
```

```
<form id="form_tasrol" source="VIEW_tasrol" caption="Tareas y
Roles">
  <orderby>pk</orderby>
  <fields>
    <key source="pk"/>
    <string source="pname" caption="Proceso" len="150"
maxlen="255" msg="Name empty"/>
    <string source="aname" caption="Actividad" len="150"
maxlen="255" msg="Name empty"/>
    <string source="tname" caption="Tarea" len="150"
maxlen="255" msg="Name empty"/>
    <int source="fkrol" caption="Id de Rol"/>
    <string source="rname" caption="Rol" len="40"
maxlen="255" msg="Name empty"/>
  </fields>
</form>
```

```
<form id="form_tasip" source="VIEW_tasip" caption="Tareas y Prod.
de entrada">
  <orderby>pk</orderby>
  <fields>
    <key source="pk"/>
    <string source="pname" caption="Proceso" len="150"
maxlen="255" msg="Name empty"/>
    <string source="aname" caption="Actividad" len="150"
maxlen="255" msg="Name empty"/>
    <string source="tname" caption="Tarea" len="150"
maxlen="255" msg="Name empty"/>
    <int source="fkip" caption="Id de prod de entrada"/>
    <string source="ipname" caption="Producto de entrada"
len="40" maxlen="255" msg="Name empty"/>
```

```
        <text source="descr" caption="Descripcion">
            <width>40</width>
        </text>
        <blob-file source="example" caption="Ejemplo"/>
    </fields>
</form>

<form id="form_tasop" source="VIEW_tasop" caption="Tareas y Prod.
de salida">
    <orderby>pk</orderby>
    <fields>
        <key source="pk"/>
        <string source="pname" caption="Proceso" len="150"
maxlen="255" msg="Name empty"/>
        <string source="aname" caption="Actividad" len="150"
maxlen="255" msg="Name empty"/>
        <string source="tname" caption="Tarea" len="150"
maxlen="255" msg="Name empty"/>
        <int source="fkop" caption="Id de prod de salidad"/>
        <string source="opname" caption="Producto de salida"
len="40" maxlen="255" msg="Name empty"/>
        <text source="descr" caption="Descripcion">
            <width>40</width>
        </text>
        <blob-file source="example" caption="Ejemplo"/>
    </fields>
</form>

<form id="form_task_tecnic" source="REL_tate"
caption="Técnicas">
    <orderby>pk</orderby>
    <fields>
        <key source="pk"/>
        <string source="fktask" caption="Tarea" len="40"
maxlen="255" msg="Name empty">
            <search>frm_proacttas</search>
            <searchfield>tname</searchfield>
        </string>
        <string source="fktec" caption="Tecnica" len="40"
maxlen="255" msg="Name empty">
            <search>frm_tecnic</search>
            <searchfield>name</searchfield>
        </string>
    </fields>
</form>

<form id="form_task_rol" source="REL_rota" caption="Roles">
    <orderby>pk</orderby>
    <fields>
        <key source="pk"/>
        <string source="fktask" caption="Tarea" len="40"
maxlen="255" msg="Name empty">
            <search>frm_proacttas</search>
```

```
        <searchfield>tname</searchfield>
    </string>
    <string source="fkrol" caption="Rol" len="40"
    maxlen="255" msg="Name empty">
        <search>frm_rol</search>
        <searchfield>name</searchfield>
    </string>
</fields>
</form>

<form id="form_task_ip" source="REL_tain"
caption="Productos de entrada">
    <orderby>pk</orderby>
    <fields>
        <key source="pk"/>
        <string source="fktask" caption="Tarea" len="40"
        maxlen="255" msg="Name empty">
            <search>frm_proacttas</search>
            <searchfield>tname</searchfield>
        </string>
        <string source="fkip" caption="Producto de entrada"
        len="40" maxlen="255" msg="Name empty">
            <search>frm_ip</search>
            <searchfield>name</searchfield>
        </string>
    </fields>
</form>

<form id="form_task_op" source="REL_taop"
caption="Productos de salida">
    <orderby>pk</orderby>
    <fields>
        <key source="pk"/>
        <string source="fktask" caption="Tarea" len="40"
        maxlen="255" msg="Name empty">
            <search>frm_proacttas</search>
            <searchfield>tname</searchfield>
        </string>
        <string source="fkop" caption="Producto de salida"
        len="40" maxlen="255" msg="Name empty">
            <search>frm_op</search>
            <searchfield>name</searchfield>
        </string>
    </fields>
</form>

<struct id="st_relaciones" type="relation">
    <param name="form_split" value="rows=20%, *"/>

    <param name="formid" value="frm_proccess"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2"/>

    <param ord="2" name="structid" value="st_relacionesdos"/>
</struct>
```

```
<struct id="st_relacionesdos" type="relation">
  <param name="form_split" value="rows=25%,*"/>

  <param name="formid" value="frm_activity"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2:3"/>
  <param name="source_filter_field" value="fkpro"/>

  <param ord="2" name="structid" value="st_relacionestres"/>
</struct>

<struct id="st_relacionestres" type="relation">
  <param name="form_split" value="rows=33%,*"/>

  <param name="formid" value="frm_task"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2:3"/>
  <param name="source_filter_field" value="fkact"/>

  <param ord="2" name="structid"
value="st_relacionescuatro"/>
</struct>

<struct id="st_relacionescuatro" type="split">
  <param name="form_split" value="cols=25%,25%,25%,*"/>

  <param ord="1" name="formid" value="form_task_tecnic"/>
  <param ord="1" name="tab_name" value="Técnicas"/>
  <param ord="1" name="form_type" value="table"/>
  <param ord="1" name="button_insert" value="1"/>
  <param ord="1" name="button_update" value="1"/>
  <param ord="1" name="button_delete" value="1"/>
  <param ord="1" name="fields_hidden" value="1"/>
  <param ord="1" name="form_force_table" value="1"/>
  <param ord="1" name="source_filter_field" value="fktask"/>

  <param ord="2" name="formid" value="form_task_rol"/>
  <param ord="2" name="tab_name" value="Roles"/>
  <param ord="2" name="form_type" value="table"/>
  <param ord="2" name="button_insert" value="1"/>
  <param ord="2" name="button_update" value="1"/>
  <param ord="2" name="button_delete" value="1"/>
  <param ord="2" name="fields_hidden" value="1"/>
  <param ord="2" name="form_force_table" value="1"/>
  <param ord="2" name="source_filter_field" value="fktask"/>

  <param ord="3" name="formid" value="form_task_ip"/>
  <param ord="3" name="tab_name" value="Productos de
entrada"/>
  <param ord="3" name="form_type" value="table"/>
  <param ord="3" name="button_insert" value="1"/>
  <param ord="3" name="button_update" value="1"/>
```



```

    <param ord="3" name="button_delete" value="1"/>
    <param ord="3" name="fields_hidden" value="1"/>
    <param ord="3" name="form_force_table" value="1"/>
    <param ord="3" name="source_filter_field" value="fktask"/>

    <param ord="4" name="formid" value="form_task_op"/>
    <param ord="4" name="tab_name" value="Productos de
    salida"/>
    <param ord="4" name="form_type" value="table"/>
    <param ord="4" name="button_insert" value="1"/>
    <param ord="4" name="button_update" value="1"/>
    <param ord="4" name="button_delete" value="1"/>
    <param ord="4" name="fields_hidden" value="1"/>
    <param ord="4" name="form_force_table" value="1"/>
    <param ord="4" name="source_filter_field" value="fktask"/>
</struct>

<struct id="st_asigna" type="relation">
    <param name="form_split" value="rows=25%, *"/>

    <param name="formid" value="frm_type"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2"/>

    <param ord="2" name="structid" value="st_asigna_funciones"/>
</struct>

<struct id="st_asigna_funciones" type="relation">
    <param name="form_split" value="rows=33%, *"/>

    <param name="formid" value="frm_project"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2:3"/>
    <param ord="2" name="source_filter_field" value="fktype"/>

    <param ord="2" name="formid" value="frm_part_by_project"/>
    <param ord="2" name="form_type" value="table"/>
    <param ord="2" name="button_insert" value="1"/>
    <param ord="2" name="button_update" value="1"/>
    <param ord="2" name="button_delete" value="1"/>
    <param ord="2" name="form_force_table_table" value="1"/>
    <param ord="2" name="fields_hidden" value="1"/>
    <param ord="2" name="source_filter_field" value="fkpro"/>
</struct>

<struct id="st_actividades" type="relation">
    <param name="form_split" value="rows=25%, *"/>

    <param name="formid" value="frm_proccess"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2"/>

    <param ord="2" name="structid" value="st_actividadesdos"/>

```

```
</struct>
<struct id="st_actividadesdos" type="relation">
  <param name="form_split" value="rows=33%,*"/>

  <param name="formid" value="frm_activity"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2:3"/>
  <param name="source_filter_field" value="fkpro"/>

  <param ord="2" name="formid" value="frm_activity"/>
  <param ord="2" name="form_type" value="table"/>
  <param ord="2" name="fields_readonly" value="1:2:3"/>
  <param ord="2" name="fields_hidden" value="2"/>
  <param ord="2" name="form_theme" value="titbody2.theme"/>
  <param ord="2" name="form_force_table_table" value="1"/>
  <param ord="2" name="source_filter_field" value="pk"/>
</struct>

<struct id="st_tareas" type="relation">
  <param name="form_split" value="rows=25%,*"/>

  <param name="formid" value="frm_proccess"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2"/>

  <param ord="2" name="structid" value="st_tareasdos"/>
</struct>

<struct id="st_tareasdos" type="relation">
  <param name="form_split" value="rows=33%,*"/>

  <param name="formid" value="frm_activity"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2:3"/>
  <param name="source_filter_field" value="fkpro"/>

  <param ord="2" name="formid" value="frm_task"/>
  <param ord="2" name="form_type" value="table"/>
  <param ord="2" name="fields_readonly" value="1:2:3"/>
  <param ord="2" name="fields_hidden" value="2"/>
  <param ord="2" name="form_theme" value="titbody2.theme"/>
  <param ord="2" name="form_force_table_table" value="1"/>
  <param ord="2" name="source_filter_field" value="fkact"/>
</struct>

<struct id="st_listauno" type="relation">
  <param name="form_split" value="rows=25%,*"/>

  <param ord="1" name="formid" value="frm_proccess"/>
  <param ord="1" name="form_type" value="combo"/>
  <param ord="1" name="fields_hidden" value="2"/>
  <param ord="1" name="nofill" value="1"/>
```

```
<param ord="2" name="structid" value="listados"/>
</struct>

<struct id="listados" type="relation">
  <param name="form_split" value="rows=33%,*" />

  <param ord="1" name="formid" value="frm_activity"/>
  <param ord="1" name="form_type" value="combo"/>
  <param ord="1" name="fields_hidden" value="2:3"/>
  <param ord="1" name="source_filter_field" value="fkpro"/>
  <param ord="1" name="nofill" value="1"/>

  <param ord="2" name="structid" value="listatres"/>
</struct>

<struct id="listatres" type="relation">
  <param name="form_split" value="rows=50%,*" />

  <param ord="1" name="formid" value="frm_task"/>
  <param ord="1" name="tab_name" value="Tarea"/>
  <param ord="1" name="form_type" value="combo"/>
  <param ord="1" name="fields_hidden" value="2:3"/>
  <param ord="1" name="source_filter_field" value="fkact"/>
  <param ord="1" name="nofill" value="1"/>

  <param ord="2" name="formid" value="frm_task"/>
  <param ord="2" name="form_type" value="table"/>
  <param ord="2" name="fields_hidden" value="2"/>
  <param ord="2" name="form_theme" value="titbody2.theme"/>
  <param ord="2" name="fields_readonly" value="1:2:3"/>
  <param ord="2" name="source_filter_field" value="pk"/>
</struct>

<struct id="st_listatecnicas" type="relation">
  <param name="form_split" value="rows=22%,*" />
  <param name="formid" value="frm_proccess"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2"/>

  <param ord="2" name="structid" value="st_listatecnicasuno"/>
</struct>

<struct id="st_listatecnicasuno" type="relation">
  <param name="form_split" value="rows=26%,*" />
  <param name="formid" value="frm_activity"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2:3"/>
  <param name="source_filter_field" value="fkpro"/>

  <param ord="2" name="structid" value="st_listatecnicasdos"/>
</struct>

<struct id="st_listatecnicasdos" type="relation">
```

```
<param name="form_split" value="rows=40%,*" />
<param name="formid" value="frm_task" />
<param name="form_type" value="combo" />
<param name="fields_hidden" value="2:3" />
<param name="source_filter_field" value="fkact" />

<param ord="2" name="structid" value="st_listatecnicastres" />
</struct>

<struct id="st_listatecnicastres" type="split">
  <param name="form_split" value="cols=25%,25%,25%,*" />

  <param ord="1" name="formid" value="form_tastec" />
  <param ord="1" name="form_type" value="list" />
  <param ord="1" name="fields_hidden" value="1:2:3:4:6" />
  <param ord="1" name="fields_readonly" value="1:2:3:4:5:6:7" />
  <param ord="1" name="source_filter_field" value="pk" />
  <param ord="1" name="nofill" value="1" />

  <param ord="2" name="formid" value="form_tasrol" />
  <param ord="2" name="form_type" value="list" />
  <param ord="2" name="fields_hidden" value="1:2:3:4" />
  <param ord="2" name="fields_readonly" value="1:2:3:4:5" />
  <param ord="2" name="source_filter_field" value="pk" />
  <param ord="2" name="nofill" value="1" />

  <param ord="3" name="formid" value="form_tasip" />
  <param ord="3" name="form_type" value="list" />
  <param ord="3" name="fields_hidden" value="1:2:3:4:6" />
  <param ord="3" name="fields_readonly" value="1:2:3:4:5:6:7" />
  <param ord="3" name="source_filter_field" value="pk" />
  <param ord="3" name="nofill" value="1" />

  <param ord="4" name="formid" value="form_tasop" />
  <param ord="4" name="form_type" value="list" />
  <param ord="4" name="fields_hidden" value="1:2:3:4:6" />
  <param ord="4" name="fields_readonly" value="1:2:3:4:5:6:7" />
  <param ord="4" name="source_filter_field" value="pk" />
  <param ord="4" name="nofill" value="1" />
</struct>

<struct id="st_tarbyrol" type="relation">
  <param name="form_split" value="rows=25%,*" />
  <param name="formid" value="frm_profile" />
  <param name="form_type" value="combo" />
  <param name="fields_hidden" value="2" />

  <param ord="2" name="structid" value="st_tarbyroldos" />
</struct>

<struct id="st_tarbyroldos" type="relation">
  <param name="form_split" value="rows=33%,*" />

  <param name="formid" value="frm_rol" />
```

```

    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2:3"/>
    <param name="source_filter_field" value="fkprofile"/>

    <param ord="2" name="formid" value="form_tasrol"/>
    <param ord="2" name="form_type" value="list"/>
    <param ord="2" name="form_force_table" value="1"/>
    <param ord="2" name="fields_hidden" value="4:5"/>
    <param ord="2" name="fields_readonly" value="1:2:3:4:5"/>
    <param ord="2" name="source_filter_field" value="fkrol"/>
</struct>

<struct id="st_tarbytec" type="relation">
    <param name="form_split" value="rows=30%,*"/>
    <param name="formid" value="frm_tecnic"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2:3"/>

    <param ord="2" name="formid" value="form_tastec"/>
    <param ord="2" name="form_type" value="list"/>
    <param ord="2" name="form_force_table" value="1"/>
    <param ord="2" name="fields_hidden" value="4:5"/>
    <param ord="2" name="fields_readonly" value="1:2:3:4:5"/>
    <param ord="2" name="source_filter_field" value="fktec"/>
</struct>

<struct id="st_tarbyip" type="relation">
    <param name="form_split" value="rows=30%,*"/>
    <param name="formid" value="frm_ip"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2:3"/>

    <param ord="2" name="formid" value="form_tasip"/>
    <param ord="2" name="form_type" value="list"/>
    <param ord="2" name="form_force_table" value="1"/>
    <param ord="2" name="fields_hidden" value="4:5"/>
    <param ord="2" name="fields_readonly" value="1:2:3:4:5"/>
    <param ord="2" name="source_filter_field" value="fkkip"/>
</struct>

<struct id="st_tarbyop" type="relation">
    <param name="form_split" value="rows=30%,*"/>
    <param name="formid" value="frm_op"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2:3"/>

    <param ord="2" name="formid" value="form_tasop"/>
    <param ord="2" name="form_type" value="list"/>
    <param ord="2" name="form_force_table" value="1"/>
    <param ord="2" name="fields_hidden" value="4:5"/>
    <param ord="2" name="fields_readonly" value="1:2:3:4:5"/>
    <param ord="2" name="source_filter_field" value="fkop"/>
</struct>

```

```
<!-- Seleccionar tipo y anhadir tareas que lo componen -->
<form id="frm_type" source="Type" caption="Tipo">

  <orderby>name</orderby>

  <fields>
    <key source="pk"/>
    <string source="name" caption="Nombre" len="40"
      maxlen="255" msg="Name empty"/>
    <text source="descr" caption="Descripcion">
      <width>40</width>
    </text>
  </fields>

  <events>
    <beforedelete>
      <action type="php">
        <code>
          global $pk;
          if ($pk==10)
            return 0;
          return 1;
        </code>
        <msg>No se puede borrar este tipo de
          proyecto</msg>
      </action>
    </beforedelete>
  </events>
</form>

<form id="form_type_task" source="REL_tyta" caption="Tareas">
  <orderby>pk</orderby>
  <fields>
    <key source="pk"/>
    <string source="fktyp" caption="fktyp" len="40"
      maxlen="255" msg="Name empty">
      <search>frm_type</search>
      <searchfield>name</searchfield>
    </string>
    <string source="fktask" caption="Tarea" len="40"
      maxlen="255" msg="Name empty">
      <search>frm_proacttas</search>
      <searchfield>tname</searchfield>
    </string>
  </fields>
</form>

<struct id="st_type_task" type="relation">
  <param name="form_split" value="rows=50%,*"/>

  <param name="formid" value="frm_type"/>
```

```
<param name="form_type" value="form"/>
<param name="button_insert" value="1"/>
<param name="button_update" value="1"/>
<param name="button_delete" value="1"/>
<param name="navigator_position" value="w"/>
<param name="navigator_fields" value="name"/>

<param ord="2" name="formid" value="form_type_task"/>
<param ord="2" name="form_type" value="table"/>
<param ord="2" name="button_insert" value="1"/>
<param ord="2" name="button_update" value="1"/>
<param ord="2" name="button_delete" value="1"/>
<param ord="2" name="form_force_table_table" value="1"/>
<param ord="2" name="fields_hidden" value="1"/>
<param ord="2" name="source_filter_field" value="fktyp"/>
</struct>

<!-- creacion de proyectos, nombre, tipo y descripcion -->

<form id="frm_project" source="Project" caption="Proyecto">

  <orderby>name</orderby>

  <fields>
    <key source="pk"/>
    <string source="name" caption="Nombre" len="40"
      maxlen="255" msg="Name empty"/>
    <string source="fktype" caption="Tipo" len="40"
      maxlen="255">
      <search>frm_type</search>
      <searchfield>name</searchfield>
    </string>
    <text source="descr" caption="Descripcion">
      <width>40</width>
    </text>
  </fields>
</form>

<!-- Asignacion de funciones de un proyecto -->

<form id="frm_part_by_project" source="REL_paropro"
caption="Participantes y roles que ejecutan">
  <orderby>pk</orderby>
  <fields>
    <key source="pk"/>
    <string source="fkpro" caption="Proyecto" len="40"
      maxlen="255" msg="Name empty">
      <search>frm_project</search>
      <searchfield>name</searchfield>
    </string>
    <string source="fkpar" caption="Participante"
      len="80" maxlen="255">
      <search>frm_person</search>
```

```
        <searchfield>name:surname</searchfield>
    </string>
    <string source="fkrol" caption="Rol" len="80"
    maxlen="255">
        <search>frm_rol</search>
        <searchfield>name</searchfield>
    </string>
</fields>
</form>

<!-- ventanas de administracion -->

<form id="frm_admin" source="_user" caption="Administrador">
    <datasource>mdb.cfg</datasource>
    <fields>
        <key source="uid"/>
        <string source="name" caption="Usuario" len="10"
        maxlen="50" msg="Nombre incorrecto"/>
        <string source="passwd" caption="Password" len="10"
        maxlen="50" msg="Password incorrecto" canbenull="N">
            <widget>passwordbox</widget>
        </string>
    </fields>
</form>

<form id="frm_user" source="_user" caption="Participantes">
    <datasource>mdb.cfg</datasource>
    <fields>
        <key source="uid"/>
        <int source="gid" caption="Grupo" attr="H" canbenull="N">
            <defvalue>1</defvalue>
        </int>
        <string source="name" caption="Usuario" len="10"
        maxlen="50" msg="Nombre incorrecto"/>
        <string source="passwd" caption="Password" len="10"
        maxlen="50" msg="Password incorrecto" canbenull="N">
            <widget>passwordbox</widget>
        </string>
        <string source="mainid" caption="Menu" attr="H"
        canbenull="N">
            <defvalue>main2</defvalue>
        </string>
    </fields>
</form>

<form id="frm_group" source="_group" caption="Edicion de grupos">
    <datasource>mdb.cfg</datasource>
    <fields>
        <key source="gid"/>
        <string source="name" caption="Nombre" len="12"
        maxlen="100" msg="Nombre incorrecto"/>
    </fields>
</form>
```



```
<!-- datos personales -->

<form id="frm_person" source="person" caption="Person">
  <orderby>surname</orderby>
  <fields>
    <key source="pk"/>
    <string source="name" caption="Name" len="40"
      maxlen="255" msg="Name empty"/>
    <string source="surname" caption="Surname" len="40"
      maxlen="255" msg="Surname empty"/>
    <date source="bdate" caption="Birth day" msg="The
      Birth date is invalid" canbenull="Y" />
    <image-file source="photo" caption="Photo">
      <height>100</height>
    </image-file>
    <text source="remarks" caption="Remarks"
      canbenull="Y"/>
    <int source="uid" caption="Usuario">
      <search>frm_user</search>
      <searchfield>name</searchfield>
    </int>
  </fields>
</form>

<form id="frm_telephone" source="Telephone" caption="Telephone">
  <orderby>descr</orderby>
  <fields>
    <key source="pk"/>
    <fkey source="fkperson" attr="H"/>
    <string source="telephone" caption="Telephone"
      len="15" maxlen="15" msg="Invalid Telephone"/>
    <string source="descr" caption="Description" len="40"
      maxlen="255" msg="Empty description"/>
  </fields>
</form>

<form id="frm_address" source="Address" caption="Address">
  <orderby>descr</orderby>
  <fields>
    <key source="pk"/>
    <fkey source="fkperson" attr="H"/>
    <string source="address" caption="Address" len="40"
      maxlen="255" msg="Empty description"/>
    <string source="descr" caption="Description" len="40"
      maxlen="255" msg="Empty description"/>
  </fields>
</form>

<form id="frm_email" source="Email" caption="Email">
  <orderby>descr</orderby>
  <fields>
```

```
<key source="pk"/>
<fkkey source="fkperson" attr="H"/>
<string source="email" caption="Email" len="40"
maxlen="255" msg="Invalid email"/>
<string source="descr" caption="Description" len="40"
maxlen="255" msg="Empty description"/>
</fields>
</form>

<form id="frm_remarks" source="Remarks" caption="Remarks">
  <orderby>descr</orderby>
  <fields>
    <key source="pk"/>
    <fkkey source="fkperson" attr="H"/>
    <string source="descr" caption="Description" len="40"
maxlen="255" msg="Empty description"/>
    <text source="remarks" caption="Remarks" />
  </fields>
</form>

<struct id="st_participante" type="relation">
  <param name="form_split" value="rows=25%, *"/>

  <param ord="1" name="formid" value="frm_user"/>
  <param ord="1" name="form_type" value="form"/>
  <param ord="1" name="source_filter_where" value="gid=1"/>
  <param ord="1" name="navigator_position" value="W"/>
  <param ord="1" name="navigator_fields" value="name"/>
  <param ord="1" name="navigator_width" value="32"/>
  <param ord="1" name="button_data" value="1"/>

  <param ord="2" name="structid" value="st_person"/>
</struct>

<struct id="st_person" type="relation">
  <param name="form_split" value="rows=300, *"/>

  <param name="formid" value="frm_person"/>
  <param name="form_subtype" value="tab"/>
  <param name="form_tabs"
value="Personal:1,2,3,6;Photo:4;Others:5"/>
  <param name="button_insert" value="1"/>
  <param name="button_update" value="1"/>
  <param name="button_delete" value="1"/>
  <param name="navigator_position" value="W"/>
  <param name="navigator_fields" value="2:1"/>
  <param name="navigator_width" value="32"/>
  <param name="source_filter_field" value="uid"/>

  <param ord="2" name="structid" value="st_person_n"/>
</struct>
```

```
<struct id="st_person_n" type="tab">
  <param name="form_split" value="rows=100,*"/>

  <param ord="1" name="formid" value="frm_telephone"/>
  <param ord="1" name="tab_name" value="Telephone"/>
  <param ord="1" name="form_type" value="table"/>
  <param ord="1" name="source_filter_field" value="fkperson"/>
  <param ord="1" name="button_data" value="1"/>

  <param ord="2" name="formid" value="frm_address"/>
  <param ord="2" name="tab_name" value="Address"/>
  <param ord="2" name="form_type" value="table"/>
  <param ord="2" name="source_filter_field" value="fkperson"/>
  <param ord="2" name="button_data" value="1"/>

  <param ord="3" name="formid" value="frm_email"/>
  <param ord="3" name="tab_name" value="Email"/>
  <param ord="3" name="form_type" value="table"/>
  <param ord="3" name="source_filter_field" value="fkperson"/>
  <param ord="3" name="button_data" value="1"/>

  <param ord="4" name="formid" value="frm_remarks"/>
  <param ord="4" name="tab_name" value="Remarks"/>
  <param ord="4" name="source_filter_field" value="fkperson"/>
  <param ord="4" name="navigator_position" value="W"/>
  <param ord="4" name="navigator_width" value="28"/>
  <param ord="4" name="navigator_fields" value="descr"/>
  <param ord="4" name="button_data" value="1"/>
</struct>

<struct id="st_tecyprod" type="tab">
  <param name="form_split" value="rows=100,*"/>

  <param ord="1" name="formid" value="frm_vtec"/>
  <param ord="1" name="tab_name" value="Técnicas"/>
  <param ord="1" name="form_type" value="list"/>
  <param ord="1" name="form_theme" value="titbody3.theme"/>
  <param ord="1" name="fields_readonly" value="1:2:3"/>

  <param ord="2" name="formid" value="frm_vip"/>
  <param ord="2" name="tab_name" value="Productos de
  entrada"/>
  <param ord="2" name="form_type" value="list"/>
  <param ord="2" name="form_theme" value="titbody3.theme"/>
  <param ord="2" name="fields_readonly" value="1:2:3"/>

  <param ord="3" name="formid" value="frm_vop"/>
  <param ord="3" name="tab_name" value="Productos de
  salida"/>
  <param ord="3" name="form_type" value="list"/>
  <param ord="3" name="form_theme" value="titbody3.theme"/>
  <param ord="3" name="fields_readonly" value="1:2:3"/>
</struct>
```

```
<form id="frm_vtec" source="VIEW_tec" caption="Tecnicas">
  <orderby>fktec</orderby>
  <fields>
    <key source="fktec"/>
    <string source="tecname" caption="Tecnicas" len="40"
      maxlen="255" msg="Name empty"/>
    <text source="descr" caption="Descripcion">
      <width>40</width>
    </text>
    <blob-file source="example" caption="Ejemplo"/>
  </fields>
</form>

<form id="frm_vip" source="VIEW_ip" caption="Tecnicas">
  <orderby>fkkip</orderby>
  <fields>
    <key source="fkkip"/>
    <string source="ipname" caption="Productos de
      entrada" len="40" maxlen="255" msg="Name empty"/>
    <text source="descr" caption="Descripcion">
      <width>40</width>
    </text>
    <blob-file source="example" caption="Ejemplo"/>
  </fields>
</form>

<form id="frm_vop" source="VIEW_op" caption="Productos de
  salida">
  <orderby>fkop</orderby>
  <fields>
    <key source="fkop"/>
    <string source="opname" caption="Productos de salida"
      len="40" maxlen="255" msg="Name empty"/>
    <text source="descr" caption="Descripcion">
      <width>40</width>
    </text>
    <blob-file source="example" caption="Ejemplo"/>
  </fields>
</form>

<!-- menu de participantes -->

<!-- Proyectos por tipo -->

<struct id="st_proty" type="relation">
  <param name="form_split" value="rows=20%, *"/>

  <param ord="1" name="formid" value="frm_type"/>
  <param ord="1" name="form_type" value="combo"/>
  <param ord="1" name="fields_hidden" value="2"/>

  <param ord="2" name="formid" value="frm_project"/>
  <param ord="2" name="form_type" value="list"/>
```

```

        <param ord="2" name="source_filter_field" value="fktype"/>
        <param ord="2" name="source_filter_where" value="pk IN
        (SELECT fkpro FROM VIEW_prorolusu WHERE uid=%userid)"/>
    </struct>

<!-- Funciones por proyecto -->

<struct id="st_funpro" type="relation">
    <param name="form_split" value="rows=30%,*" />

    <param name="formid" value="frm_project"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2:3"/>
    <param name="source_filter_where" value="pk IN (SELECT
    fkpro FROM VIEW_prorolusu WHERE uid=%userid)"/>

    <param ord="2" name="formid" value="frm_rolytarinpro"/>
    <param ord="2" name="form_type" value="table"/>
    <param ord="2" name="source_filter_field" value="fkpro"/>
    <param ord="2" name="source_filter_where" value="fkrol IN
    (SELECT fkrol FROM VIEW_prorolusu WHERE uid=%userid)"/>
    <param ord="2" name="form_force_table_table" value="1"/>
    <param ord="2" name="fields_readonly" value="1:2:3:4:5:6"/>
    <param ord="2" name="fields_hidden" value="1:4:5:6"/>
</struct>

<form id="frm_rolytarinpro" source="REL_protaro" caption="Tarea
y Rol">
    <orderby>pk</orderby>
    <fields>
        <key source="pk"/>
        <field type="int" source="fkpro" caption="Proyecto"
        len="80" maxlen="255">
            <search>frm_project</search>
            <searchfield>name</searchfield>
        </field>
        <field type="int" source="fkrol" caption="Rol"
        len="80" maxlen="255">
            <search>frm_rol</search>
            <searchfield>name</searchfield>
        </field>
        <field type="int" source="fktask" caption="Tarea"
        len="80" maxlen="255">
            <search>frm_task</search>
            <searchfield>name</searchfield>
        </field>
        <string source="estado" caption="Estado" len="40"
        maxlen="255" msg="Name empty"/>
        <blob-file source="p_out" caption="Producto de
        salida"/>
        <date source="fecha" caption="Ultima modificacion"
        msg="Fecha incorrecta"/>
    </fields>

```

```
<events>
  <afterupdate>
    <action type="source">
      <code>UPDATE REL_protaro SET fecha=Now()
      WHERE pk=%pk</code>
      <msg>Tarea actualizada</msg>
    </action>
  </afterupdate>
</events>
</form>

<!-- Editar proyectos -->

<form id="frm_protar" source="REL_protaro" caption="Tarea">
  <orderby>pk</orderby>
  <fields>
    <key source="pk"/>
    <field type="int" source="fkpro" caption="Proyecto"
    len="80" maxlen="255">
      <search>frm_project</search>
      <searchfield>name</searchfield>
    </field>
    <field type="int" source="fktask" caption="Tarea"
    len="80" maxlen="255">
      <search>frm_task</search>
      <searchfield>name</searchfield>
    </field>
    <field type="int" source="fkrol" caption="Rol"
    len="80" maxlen="255">
      <search>frm_rol</search>
      <searchfield>name</searchfield>
    </field>
    <int source="estado" caption="Estado" attr="H"
    canbenull="N">
      <defvalue>1</defvalue>
    </int>
  </fields>
</form>

<struct id="st_editar" type="relation">
  <param name="form_split" value="rows=30%,*"/>

  <param name="formid" value="frm_project"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2:3"/>

  <param ord="2" name="formid" value="frm_protar"/>
  <param ord="2" name="form_type" value="table"/>
  <param ord="2" name="source_filter_field" value="fkpro"/>
  <param ord="2" name="form_force_table_table" value="1"/>
  <param ord="2" name="fields_hidden" value="1"/>
  <param ord="2" name="button_data" value="1"/>
</struct>

<form id="frm_estado" source="estado" caption="Estado">
  <orderby>pk</orderby>
```

```
<fields>
    <key source="pk"/>
    <string source="estado" caption="Estado" len="40"
        maxlen="255" msg="Name empty"/>
</fields>
</form>

<!-- Funciones por rol-->

<struct id="st_funrol" type="relation">
    <param name="form_split" value="rows=30%, *"/>

    <param name="formid" value="frm_rol"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2:3"/>
    <param name="source_filter_where" value="pk IN (SELECT
        fkrol FROM VIEW_prorolusu WHERE uid=%userid)"/>

    <param ord="2" name="formid" value="frm_rolytarinpro"/>
    <param ord="2" name="form_type" value="table"/>
    <param ord="2" name="source_filter_field" value="fkrol"/>
    <param ord="2" name="source_filter_where" value="fkpro IN
        (SELECT fkpro FROM VIEW_prorolusu WHERE uid=%userid and
        fkrol=%filtervalue)"/>
    <param ord="2" name="form_force_table_table" value="1"/>
    <param ord="2" name="fields_readonly" value="1:2:3:4:5:6"/>
    <param ord="2" name="fields_hidden" value="2:4:5:6"/>
</struct>

<!-- Estado -->

<struct id="st_estado" type="relation">
    <param name="form_split" value="rows=30%, *"/>

    <param name="formid" value="frm_project"/>
    <param name="form_type" value="combo"/>
    <param name="fields_hidden" value="2:3"/>
    <param name="source_filter_where" value="pk IN (SELECT
        fkpro FROM VIEW_prorolusu WHERE uid=%userid)"/>

    <param ord="2" name="formid" value="frm_rolytarinpro"/>
    <param ord="2" name="form_type" value="table"/>
    <param ord="2" name="source_filter_field" value="fkpro"/>
    <param ord="2" name="source_filter_where" value="fkrol IN
        (SELECT fkrol FROM VIEW_prorolusu WHERE uid=%userid and
        fkpro=%filtervalue)"/>
    <param ord="2" name="fields_hidden" value="1:6"/>
    <param ord="2" name="button_update" value="1"/>
    <param ord="2" name="fields_readonly" value="1:2:3"/>
    <param ord="2" name="form_force_table_table" value="1"/>
</struct>

<!-- Estados -->
```

```
<struct id="st_estados" type="relation">
  <param name="form_split" value="rows=30%,*"/>

  <param name="formid" value="frm_project"/>
  <param name="form_type" value="combo"/>
  <param name="fields_hidden" value="2:3"/>
  <param name="source_filter_where" value="pk IN (SELECT
fkpro FROM VIEW_prorolusu WHERE uid=%userid)"/>

  <param ord="2" name="formid" value="frm_VIEW_prorolper "/>
  <param ord="2" name="form_type" value="list"/>
  <param ord="2" name="source_filter_field" value="fkpro"/>
  <param ord="2" name="fields_hidden" value="1"/>
  <param ord="2" name="fields_readonly" value="1:2:3:4:5:6:7:8"/>

</struct>

<!-- Informacion de proyecto-->

<struct id="st_info_pro" type="relation">
  <param name="form_split" value="rows=20%,*"/>

  <param ord="1" name="formid" value="frm_project"/>
  <param ord="1" name="form_type" value="combo"/>
  <param ord="1" name="fields_hidden" value="2:3"/>
  <param ord="1" name="source_filter_where" value="pk IN
(SELECT fkpro FROM VIEW_prorolusu WHERE uid=%userid)"/>

  <param ord="2" name="structid" value="st_persondos"/>
</struct>

<struct id="st_persondos" type="relation">
  <param name="form_split" value="rows=300,*"/>

  <param name="formid" value="frm_person"/>
  <param name="form_subtype" value="tab"/>
  <param name="form_tabs"
    value="Personal:1,2,3,6;Photo:4;Others:5"/>
  <param name="fields_readonly" value="1:2:3:4:5:6"/>
  <param name="navigator_position" value="W"/>
  <param name="navigator_fields" value="2:1"/>
  <param name="navigator_width" value="32"/>
  <param name="source_filter_where" value="pk in (SELECT
fkpar FROM REL_paropro WHERE fkpro=%filtervalue)"/>

  <param ord="2" name="structid" value="st_person_ndos"/>
</struct>

<struct id="st_person_ndos" type="tab">
  <param name="form_split" value="rows=100,*"/>

  <param ord="1" name="formid" value="frm_telephone"/>
  <param ord="1" name="tab_name" value="Telephone"/>
  <param ord="1" name="form_type" value="table"/>
```



```
<param ord="1" name="fields_readonly" value="1:2:3"/>
<param ord="1" name="source_filter_field" value="fkperson"/>

<param ord="2" name="formid" value="frm_address"/>
<param ord="2" name="tab_name" value="Address"/>
<param ord="2" name="form_type" value="table"/>
<param ord="2" name="fields_readonly" value="1:2:3"/>
<param ord="2" name="source_filter_field" value="fkperson"/>

<param ord="3" name="formid" value="frm_email"/>
<param ord="3" name="tab_name" value="Email"/>
<param ord="3" name="form_type" value="table"/>
<param ord="3" name="fields_readonly" value="1:2:3"/>
<param ord="3" name="source_filter_field" value="fkperson"/>

<param ord="4" name="formid" value="frm_remarks"/>
<param ord="4" name="tab_name" value="Remarks"/>
<param ord="4" name="fields_readonly" value="1:2:3"/>
<param ord="4" name="source_filter_field" value="fkperson"/>
<param ord="4" name="navigator_position" value="W"/>
<param ord="4" name="navigator_width" value="28"/>
<param ord="4" name="navigator_fields" value="descr"/>
</struct>

<form id="frm_VIEW_prorolper" source="VIEW_prorolper"
caption="Informacion del proyecto">
  <orderby>task</orderby>
  <fields>
    <key source="fkpro"/>
    <string source="project" caption="Proyecto" len="80"
maxlen="255"/>
    <string source="task" caption="Tarea" len="80"
maxlen="255"/>
    <string source="estado" caption="estado" len="80"
maxlen="255"/>
    <blob-file source="p_out" caption="Producto de
salida"/>
    <date source="fecha" caption="Ultima modificacion"
msg="Fecha incorrecta"/>
    <date source="f_fin" caption="Prevision de
finalizacion" msg="Fecha incorrecta"/>
    <text source="notas" caption="Notas">
      <width>20</width>
    </text>
    <string source="rol" caption="Rol" len="80"
maxlen="255"/>
    <int source="uid" caption="Usuario">
      <search>frm_user</search>
      <searchfield>name</searchfield>
    </int>
  </fields>
</form>

<!-- Resumen -->

<struct id="st_resumen" type="tab">
```

```
<param name="form_split" value="rows=100%, *"/>

<param ord="1" name="structid" value="st_estado"/>
<param ord="1" name="tab_name" value="Mis tareas"/>

<param ord="2" name="structid" value="message.struct.inbox"/>
<param ord="2" name="tab_name" value="Bandeja de entrada"/>

<param ord="3" name="structid" value="todo.struct.todo"/>
<param ord="3" name="tab_name" value="Notas"/>
</struct>

</asl>
```

5.2.- menú.cfg

```
<?php

/// Use this variables for simple two frames configuration.
Otherwise use $FRAM
/// FRAME=(COLS|ROWS|'')
$FRAME="COLS";
$FRAMESIZE="280";

if ($_SESSION['uid']==1)
    $FRAMEAPPSURL="struct.php?structid=st_resumen";
else
    $FRAMEAPPSURL="";

$FRAMEBORDER="NO";
#
#$FRAMETPL="frametpl";

#TARGET=(APPLICATION|'')
$TARGET="apps";

#TYPE (deep|wide)
$MENUTYPE="deep";

$HTMLHEAD='<title>m3m</title>'. "\n".
    '<link rel="stylesheet" type="text/css"
href="slashfiles/menu.css" />'. "\n".
    '<script type="text/javascript"
src="slashfiles/menu.js"></script>'. "\n\n";

#LINES

$TITLE="";
$HEAD='<center><hr
width="100%" size="5%"></center>'. "\n\n";
```

```
# $TAIL="<br><br><center><a  
href=mailto:youremailhere@nowhere.com>youremailhere@nowhere.com<  
/a></center>";  
  
# BODY  
  
$BGCOLOR="#006565";  
$BACKGROUND='';  
$TEXT="";  
$LINK="blue";  
$VLINK="blue";  
  
# TABLES  
  
$WIDTH="";  
$BORDER="0";  
$CELLSPACING="0";  
$CELLPADDING="6";  
$TBGCOLOR="#d4d0c8";  
$TBACKGROUND="";  
$TSTYLE='mainbox_style';  
  
# MAIN  
  
# You can use <!--MAURL--> <!--MANAME--> <!--MAIMG-->  
#  
$MACODE='';  
$MACODEOPEN='';  
$MACODECLOSE='';  
  
# MENU  
  
# You can use <!--MURL--> <!--MNAME--> <!--MIMG-->  
#  
$MCODE='<span class="title">'.  
    '<!--MNAME--></span>'. "\n";  
  
$MCODEOPEN="<div class=\"sdmenu\">\n" ;  
$MCODECLOSE="</div>\n\n";  
  
$MBGCOLOR="#e7efff";  
$MBACKGROUND="";  
  
$MPRE="<font size=+1><I><B>";  
$MPOST="</B></I></font>";  
  
$MALIGN="LEFT";  
$MVALIGN="TOP";  
  
# OPTION  
  
# You can use <!--OURL--> <!--ONAME--> <!--OIMG-->  
#  
$OCODE='    <a target="apps" href="<!--OURL-->"><!--ONAME--  
></a>'. "\n";
```

```
$OCODEOPEN="

$OCODECLOSE="</div>\n\n";


```

```
$OBGBCOLOR="#efeff7";  
$OBACKGROUND="";
```

```
#$OPRE="<font size=+0>";  
#$OPOST="</font>";
```

```
#$OALIGN="LEFT";  
#$OVALIGN="TOP";
```

```
#TABLE TITLE;
```

```
$TTBGCOLOR="#c6dbff";  
$TTFGCOLOR="white";  
$TTBACKGROUND="";  
$TTPRE="<B>";  
$TTPOST="</B>";
```

```
?>
```

5.3.- tibody.tpl

```
<CENTER>  
<!--BEGIN-FORM--><!--FLD[0]-->  
  
<TABLE BORDER=1 width="95%" CELLPADDING=10 bordercolor=#006565>  
  
<TR bgcolor=#eeeeeee><TD ALIGN=center><h1><!--FLD[1]--  
></h1></TD></TR>  
<TR><TD ALIGN=JUSTIFY><!--FLD[2]--></TD></TR>  
</TABLE>  
  
<!--END-FORM-->  
</CENTER>
```

5.4.- tibody2.tpl

```
<CENTER>  
<!--BEGIN-FORM--><!--FLD[0]-->  
  
<TABLE BORDER=1 width="95%" CELLPADDING=10 bordercolor=#006565>  
  
<TR bgcolor=#eeeeeee><TD ALIGN=center><h1><!--FLD[1]--  
></h1></TD></TR>  
<TR><TD ALIGN=JUSTIFY><!--FLD[3]--></TD></TR>  
</TABLE>  
  
<!--END-FORM-->  
</CENTER>
```

5.5.- tibody3.tpl

```
<CENTER>
<!--BEGIN-FORM--><!--FLD[0]-->

<TABLE BORDER=1 width="95%" CELLPADDING=10 bordercolor=#006565>

<TR bgcolor=#eeeeeee><TD ALIGN=center><h1><!--FLD[1]--></h1></TD></TR>
<TR><TD ALIGN=JUSTIFY bgcolor=white><!--FLD[2]--></TD></TR>
<TR><TD><p>Ejemplo: </p><!--FLD[3]--></TD></TR>
</TABLE>

<!--END-FORM-->
</CENTER>
```

5.6.- tibody'n'.theme

La n del titulo hace referencia a que existen tres archivos tibody_.theme que se diferencian el el archvo tibody_.tpl que usan como plantilla.

```
<?php

include_once 'general.cfg';

$NAVIGATOR="Navigator";

$HTMLHEAD='<link rel="stylesheet" type="text/css"
href="html/form.css" />';

$BLTITITPL="titempty.tpl";
$BLTPL="titbody3.tpl";
$BLTAILTPL="tailempty.tpl";

#BOOLEAN VALUE

$STRUE="t";
$SFALSE="f";

#DATA TYPE ALIGN

$TYPEALIGN["boolean"]="CENTER";
$TYPEALIGN["integer"]="RIGHT";
$TYPEALIGN["float"]="RIGHT";
$TYPEALIGN["char"]="CENTER";
$TYPEALIGN["string"]="LEFT";
$TYPEALIGN["date"]="CENTER";
$TYPEALIGN["time"]="CENTER";
$TYPEALIGN["datetime"]="CENTER";

#BODY

$BGCOLOR="";
$BACKGROUND=' ';
$TEXT="#006666";
$LINK="#00659c";
```

```
$VLINK="#005989";
#LINES

#$HEAD='<left><a href="menu.php?main=1"
TARGET="_top">Menu</a></left>';
$TAIL="";

#TABLES

$WIDTH="";
$BORDER="0";
$CELLSPACING="0";
$CELLPADDING="4";
$TBGCOLOR="#eeeeee";
$TBACKGROUND="";

#TABLE TITLE

$TTBGCOLOR='';
$TTFGCOLOR="white";
$TTBACKGROUND='slashfiles/title.gif';

#TABLE ODD FIELD

$OFBGCOLOR="#efeff7";
$OFFGCOLOR="red";
$OFBACKGROUND="";

#TABLE EVEN FIELD

$EFBGCOLOR="#ffffff";
$EFFGCOLOR="";
$EFBACKGROUND="";

#TABLE NEW FIELD

$NFBGCOLOR="#e7efff";
$NFFGCOLOR="";
$NFBACKGROUND="";

#TABLE HIGHLIGHT FIELD

$HFBGCOLOR="#a0c1c1";
$HFFGCOLOR="";
$HFBACKGROUND="";

#TABLE SUM FIELD

$SFBGCOLOR="";
$SFFGCOLOR="red";
$SFBACKGROUND="";
?>
```