

APPENDIX A: XML DOCUMENT AND DTD SOURCE CODE

A.1. AN EXAMPLE OF PLAYLIST

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE playlist (View Source for full doctype...)>
<playlist>
  <name>Example Playlist 1</name>
  <uribase>Playlist Uribase</uribase>
  <author>Maria Jose Parajon Dominguez</author>
  <creation_date>
    <date year="2003" month="4" day="7" hour="17" minute="38"
      second="31" />
  </creation_date>
  <gain>1.0</gain>
  <nick>demo</nick>
  <songs>
    <song>
      <songname>song title1</songname>
      <artist>Nillie Joel</artist>
      <album>
        <album_name>Greatest hits Album 1947</album_name>
        <release_date>
          <date year="1947" month="1" day="5" />
        </release_date>
      </album>
      <songnum>Number of order in playlist</songnum>
      <uri>Uri of the song</uri>
      <length>Song length</length>
      <size>Song size</size>
      <record>Recording type</record>
      <sample>Sample rate</sample>
      <timeto>Time to play the song</timeto>
    </song>
    <song>
      <songname>song title2</songname>
      <artist>Celine Arturo</artist>
      <album>
        <album_name>Greatest hits Album 1907</album_name>
        <release_date>
          <date year="1907" month="9" day="14" />
        </release_date>
      </album>
      <songnum>Number of order in playlist</songnum>
      <uri>Uri of the song</uri>
      <length>Song length</length>
      <size>Song size</size>
      <record>Recording type</record>
      <sample>Sample rate</sample>
      <timeto>Time to play the song</timeto>
    </song>
  </songs>
</playlist>
```

A.2. DTD SOURCE CODE FOR A PLAYLIST

```
<?xml version="1.0" encoding="UTF-8" ?>
<!-- Document Type Definition for a Playlist -->
<!ELEMENT playlist ( name, uribase, author, creation_date,
gain, nick?, songs* ) >
<!ELEMENT name ( #PCDATA ) >
<!ELEMENT uribase ( #PCDATA ) >
<!ELEMENT author ( #PCDATA ) >
<!-- creation_date is the date and time of when the
Playlist was first created -->
<!ELEMENT creation_date (date) >
<!-- date
Description

    year CDATA    A four-digit year, e.g. "1999", "2003".
                  Two-digit year abbreviations are invalid.

    Month CDATA   A number in the range of 1 to 12.
                  1 is January, 2 is February, etc.

    day  CDATA    A valid day within the month specified,
                  in the range of 1 to 31.

    hour CDATA    A number specified in military time.

    minute CDATA  A number in the range of 0 to 59,
                  indicating the number of minutes past
                  the hour.

    Second CDATA  A number in the range of 0 to 59,
                  indicating the number of seconds past
                  the minute.

-->
<!ELEMENT date EMPTY>
  <!ATTLIST date
    year          CDATA          #REQUIRED
    month         CDATA          #REQUIRED
    day           CDATA          #REQUIRED
    hour          CDATA          #IMPLIED
    minute        CDATA          #IMPLIED
    second        CDATA          #IMPLIED
  >
<!ELEMENT gain ( #PCDATA ) >
<!ELEMENT nick ( #PCDATA ) >
<!-- Songs is a list of individual songs -->
<!ELEMENT songs ( song* ) >
<!ELEMENT song (songname, artist, album, songnum, uri,
length, size ) >
<!ELEMENT uri ( #PCDATA ) >
<!-- Album -->
```

```
<!ELEMENT album ( album_name, release_date? ) >
<!ELEMENT album_name ( #PCDATA ) >
<!ELEMENT release_date (date)>
<!-- -->
<!ELEMENT artist ( #PCDATA ) >
<!ELEMENT songname ( #PCDATA ) >
<!ELEMENT songnum ( #PCDATA ) >
<!ELEMENT length ( #PCDATA ) >
<!ELEMENT size ( #PCDATA ) >
<!ELEMENT record ( #PCDATA ) >
<!ELEMENT sample ( #PCDATA ) >
<!ELEMENT timeto ( date ) >
```