NEW YORK PUBLIC LIBRARY MOVER APP

DATA CONVERSION DOCUMENT

Version 1.0
06/18/2013

1   INTRODUCTION

1.1 PURPOSE OF DATA CONVERSION PROCESS:

This Data Conversion Plan describes the specifications for converting data from XML source, HTML source to the required service format like JSON. It includes an inventory and cross reference of source and target data elements, schema, metadata and all self-describing files; process for data extraction, transformation and loading for each data source.

1.2 DATA CONVERSION STRATEGIES:

1. **XML Format:** Received the source format from the client.
2. **Revision:** To rename the .ePub file into .zip file.
3. **Unzip:** To unzip the zip file and rename the .xml files which are present in the OEBPS folder into .html files.
4. **Add-Ons:** To add the images on after every section break.
5. **Color Modification:** To change the font colour in white i.e. 233,233,233.

1.3 DATA CONVERSION FLOW:

1. <u>Create a JSON file for the list of plays like:</u>

{
"Plays": [
{ "playid":"1","playname":"THE BLACK CROOCK" , "imager": BlackCrookLogo.jpg","author":"Charles M. Barras","authorinfo":"Author of The Hypochondriac, Modern Saint, Fairy of Home, Woman in White, Bibio, Injured Orphan, The Great Goose Case, etc., etc., etc.","Caption":"cover" },

{ "playid":"2","playname":"Dummy 1" , "imageurl":"BlackCrookLogo.jpg","author":"Charles M. Barras","authorinfo":"Author of The Hypochondriac, Modern Saint, Fairy of Home, Woman in White, Bibio, Injured Orphan, The Great Goose Case, etc., etc., etc.","Caption":"cover" },

{ "playid":"3","playname":"Dummy 2" , "imageurl":"BlackCrookLogo.jpg","author":"Charles M. Barras","authorinfo":"Author of The Hypochondriac, Modern Saint, Fairy of Home, Woman in White, Bibio, Injured Orphan, The Great Goose Case, etc., etc., etc." ,"Caption":"cover" }

]
}

2. Create a version.xml file for the different version of the plays like:

```
<playlist>
<play id="1">
<versionlist>
<version id="1" name="version1" htmlname="Play1_v1.html" audioname="audio1.xml"/>
<version id="2" name="version2" htmlname="Play1_v2.html" audioname="audio2.xml"/>
<version id="3" name="version3" htmlname="Play1_v3.html" audioname="audio3.xml"/>
</versionlist>
</play>
<play id="2">
<versionlist>
<version id="1" name="version4" htmlname="Play1_v4.html" audioname="audio4.xml"/>
<version id="2" name="version5" htmlname="Play1_v5.html" audioname="audio5.xml"/>
<version id="3" name="version6" htmlname="Play1_v6.html" audioname="audio6.xml"/>
</versionlist>
</play>
<play id="3">
<versionlist>
<version id="1" name="version7" htmlname="Play1_v7.html" audioname="audio7.xml"/>
<version id="2" name="version8" htmlname="Play1_v8.html" audioname="audio8.xml"/>
<version id="3" name="version9" htmlname="Play1_v9.html" audioname="audio9.xml"/>
</versionlist>
</play>
</playlist>
```

3. Now create a file audio.xml for different version like (audio1.xml for play 1 and version 1 file name as Play1_v1.html):

```
<audioclipslist>
<clip id="101" from="0" to="13"   versionid="1"/>
<clip id="102" from="13" to="25" versionid="1"/>
<clip id="103" from="25" to="43" versionid="1"/>
<clip id="104" from="43" to="60" versionid="1"/>
</audioclipslist>
```

Note: Create the separate Audio files for different versions of each Play as shown and defined above in Version.xml.

4. Create an audio icon in html files Play1_v1.html, where you want to add audio like:

```
<a href="nypl_audio-101"><img src="play.jpg"  style="max-width: 30px" alt="Image"/></a>
<a href="nypl_audio-102"><img src="play.jpg"  style="max-width: 30px" alt="Image"/></a>
<a href="nypl_audio-103"><img src="play.jpg"  style="max-width: 30px" alt="Image"/></a>
<a href="nypl_audio-104"><img src="play.jpg"  style="max-width: 30px" alt="Image"/></a>
```

Note: In this nypl_audio-101, 102,103,104 will be using the clip id of the audio.

5. Also add switch version tag in HTML file like:

```
<a href="version_1_1"><sup>
<input type="image" name="button" value="Switch Version" src="btn_version.png"  />
</sup></a>
<a href="version_1_2"><sup>
<input type="image" name="button" value="Switch Version" src="btn_version.png"  />
</sup></a>
```

Note: Here the version_1_1,Version_1_2 will be the codes of switch version buttons that will fetch the list of total available versions from Database.

6. Add

```
<script src='jquery.js'></script>
<script src='rangy-core.js'></script>
<script src='rangy-serializer.js'></script>
<script src='android.selection.js'></script>
<script src='search.js'></script>
<script src='audio.js'></script>
```
Note: These scripts with each HTMl file with in the head tag (mandatory)

7. Put all XML,JSON,HTML file in to a folder HTML Content:

With all image and source icon of html and make Zip with Name HTMLContent.zip and put That Zip file into asset folder of our project.

8. Now open SplashActivity from org.nypl package and find this line:

```
   File mFirstVersionFile = new
File(FilePath.getAbsolutePath()+File.separator+CONTENT_LOCATION+File.separator+"Play1_v1.html"
);
```

Now change the name of file Play1_v1.html as what you are going to give name to your First plays first version File.

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9. **Also add some js files with folder HTMLContent like:**

(android.selection.js,jquery.js,jquery.min.js,rangy-core.js,rangy-serializer.js,search.js,,searchwebview.js) Mandatory Files and style.css as per HTML design.