Project Wide Standards

# General Formats

Colour – colours are to be given in hexadecimal.

Time – Integer values for time in seconds.

# Media Formats

Audio – mp3

Images – png

Videos mp4

# Main Elements

Root element – should be named slideshow

Child elements – three main child elements should be named documentinfo, defaults and slide

## Example

<slideshow>

<documentinfo>

</documentinfo>

<defaults>

</defaults>

<slide>

</slide>

</slideshow>

# <documentinfo> Sub Child Elements

|  |  |  |
| --- | --- | --- |
| Element Name | Description | Type |
| author | Author’s name | String |
| version | Version of presentation | String |
| title | Title of document | String |
| comment | Description of presentation | String |
| width | Presentation width in pixels | Integer |
| height | Presentation height in pixels | Integer |

## Example

<documentinfo>

<author>Stuart Porter</author>

<version>1.0</version>

<title>Presentation</title>

<comment>Sample of the MediaPlayer input File</comment>

<width>640</width>

<height>480</height>

</documentinfo>

# <defaults> Sub Child Elements

|  |  |
| --- | --- |
| Element Name | Type |
| backgroundcolor | String |
| font | String |
| fontsize | Int |
| fontcolor | String |
| linecolor | String |
| fillcolor | String |

## Example

<default>

<backgroundcolor>#00FF00</ backgroundcolor >

<font>Times New Roman</font>

<fontsize>24pt</fontsize>

<fontcolor>#0000FF</fontcolor>

<linecolor>#00FF00</linecolor>

<fillcolor>#FF0000</fillcolor>

</default>

# <slide> Attributes

|  |  |  |
| --- | --- | --- |
| Attribute Name | Type | Required or Implied |
| id | integer | Required |
| duration | Integer | Implied |
| lastSlide | Boolean | Implied |

The Slide id attribute determines the order in which the slides are played (0 is the first slide).

# <slide> Sub Child Elements

|  |  |  |  |
| --- | --- | --- | --- |
| Element Name(type) | Attributes (type) | Required or Implied | Sub Elements |
| text | font(String) | Implied | textbody(String) |
| fontsize(int) | Implied |
| fontcolor(String) | Implied |
| xstart(Int) | Required |
| ystart(Int) | Required |
| starttime(Int) | Implied |
| duration(Int) | Implied |
| layer(Int) | Implied |
| xend(Int) | Required |
| yend(Int) | Required |
| textbody | bold (bool)  italic (bool)  underlined (bool)  Branch(Int) | Implied  Implied  Implied  Implied | textstring (String) |
| shape | totalpoints(int) | Required | point |
| width(Int) | Required |
| height(Int) | Required |
| fillcolor(String) | Implied |
| starttime(Int) | Implied |
| duration (Int) | Implied |
| layer(Int) | Implied |
| lineColor(String) | Implied |
| Branch( int ) | Implied |  |
| audio | urlname(string) | Required |  |
| starttime(Int) | Implied |
| loop(True|false) | Implied |
| image | urlname(string) | Required |  |
| xstart(Int) | Required |
| ystart(Int) | Required |
| width(Int) | Implied |
| height(Int) | Implied |
| starttime(Int) | Implied |
| duration(Int) | Implied |
| layer(Int) | Implied |
| Branch( int ) | Implied |
| video | urlname(String) | Required |  |
| startTime(Int) | Implied |
| loop(true|false) | Implied |
| xstart(Int) | Required |
| width(Int) | Implied |
| height | Implied |
| ystart(Int) | Required |
| layer(Int) | Implied |
| Duration(int) | Implied |

## Example

<text layer=”6” xstart=”20” ystart=”50” xend=”500” yend=”800”font=”Calibri” fontsize=”12” fontcolor=”#556611”>

<textbody><textstring>The quick </textstring></textbody>

<textbody bold=”true”>

<textstring>brown</textstring>

</textbody>

<textbody italic=”true”>

<textstring>fox\n</textstring>

</textbody>

<textbody underlined=”true”>

<textstring>jumped \t</textstring>

</textbody>

<textbody bold=”true”italic=”true”>

<textstring>over the</textstring>

</textbody>

<textbody branch=”7”>

<textstring>lazy dog</textstring>

<textbody>

</text>

This should give:

The quick **brown** *fox*  
jumped ***over the*** [lazy dog](http://7)

Notes on text:

* A new line is determined by /n.
* A tab is determined by /t.
* Escape sequences should use backlashes
* Text should wrap: xend sets the wrap width, yend causes the text to isappear.
* TextBody: The text should always be displayed in the order written in the XML.

## <shape> Element

Shape element will contain data regarding building graphics. Attribute ‘totalpoints’ defines total number of corners the shape has, if ‘totalpoints’ has a value of ‘1’ then shape is to be regarded as a circle. The sub element within shape defines the coordinates of the points and a point number, it is assumed that lines between consecutive numbers.

## <point> Element

|  |  |  |
| --- | --- | --- |
| Attribute Name | Description | Type |
| num | Point number | int |
| x | X coordinate | int |
| y | Y Coordinate | int |

## Shape Examples

Circle:

<shape totalPoints=”1” width=”5” height=”5” >

<Point num=”1” x=”50” y=”50”/>

</shape>

Line:

<shape totalPoints=”2” width=”1” height=”1” >

<Point num=”1” x=”50” y=”50”/>

<Point num=”2” x=”100” y=”100”/>

</shape>

Triangle:

<shape totalPoints=”3” width=”1” height=”1” >

<Point num=”1” x=”50” y=”50”/>

<Point num=”2” x=”100” y=”100”/>

<Point num=”3” x=”75” y=”75”/>

</shape>

# XML Schema

The XML Schema is available in the document MMPE\_Schema.xsd

# Document Type Definition

The Document Type Definition is available in the document MMPE\_Definition.xtd

# Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Status** | **Date** | **Edited By** | **Description of change** |
| 0.1 | Draft | 03/02/14 | M. Vuong | Initial draft |
| 0.2 | Draft | 03/02/14 | H. Smith-Andrews | Modifications to some schema definitions |
| 0.3 | Draft | 04/02/14 | S. Nicholson | Added width and height tags, added schema and DTD |
| 0.4 | Draft | 10/02/14 | Henry Smith-Andrews | Group wide meeting edit: |
| 0.5 | Draft | 12/02/14 | M. Vuong | Added shape description |
| 0.6 |  | 10/03/14 | J Carter | Edited according the meeting notes on 10/03/14 |
| 0.7 |  | 11/03/14 | J Carter | idem |
| 0.8 |  | 12/03/14 | J Carter | idem |
| 0.9 |  | 20/03/14 | J Carter | Slide Id determines order of slides |