XSLT Transformation Daniel Eliáš

Introduction

This presentation also serves as documentation, as it explains main elements and possibillities of document creation.

Presentation contents:

- 1. DTD file preview (page 3)
- 2. Main structure elements (pages 4-5)
- 3. Main content elements (pages 6-8)
- 4. Picture elements (pages 9-10)
- 5. Parameters info (pages 11-13)



DTD preview

```
<!-- Basic elements for slide, titles-->
<!ELEMENT slide (title?, subtitle?, (contentblock* | fullslidepic)
<!ELEMENT title (#PCDATA)>
<!ELEMENT subtitle (#PCDATA)>
<!-- Metadata - presentation and author name, used for optional co
<!ELEMENT present name (#PCDATA)>
<!ELEMENT author name (#PCDATA)>
<!-- Block of content, used for various combinations of pictures,
<!ELEMENT contentblock (#PCDATA | points | smallpic | sidepic | ju
<!-- element for bold text -->
<!ELEMENT b (#PCDATA)>
<!-- Table elements, th for column headers, td as value in table
<!ELEMENT table (tablerow+)>
<!ELEMENT tablerow (th+ | td+)>
<!ELEMENT td (#PCDATA)>
<!ELEMENT th (#PCDATA)>
<!-- Simple text element -->
<!ELEMENT justtext (#PCDATA | b) *>
```

Basic elements

Required root element is < lides are then marked by <slide> elements.

Another element important for generating html is <csslink> with cssrc attribute specifying the path. In case no css source is provided, a default value from dtd is used

More basic elements



- ent_name>
- <author name>

These elements contain information about presentation and author name. These will be used only in the case parameters are set up to show cover page.



- <title>
- <subtitle>

Optional elements usable in each slide.

Content elements

<Contentblock>

Main content should be put into <a href="cont

- Sidepic and smallpic with attribute specifying side where they show up
- <justtext> for simple text content

```
<title>Basic elements</title>
<contentblock>
    <sidepic src="./imgs/basi
    <justtext>Required root e
</contentblock>
<contentblock>
<justtext> Another element im
In case no css source is prov
</contentblock>
lide>
```

- <points> including<point> elements forcreating bullet lists
- with respective subelements which will be mentioned later

<Table> element

Table elements can be used to create various tables, building elements required are shown in the table itself. Each row has to be enclosed in <table contents table of table of table of table.



>	>	>	>
>	<	>	>
>	<	>	>
<	>	<	>

Picture elements Fullslidepic

```
<!ELEMENT sidepic EMPTY>
<!ATTLIST sidepic
    src CDATA #REQUIRED
    side (left | right) #REQUIRED
>
<!ELEMENT smallpic EMPTY>
<!ATTLIST smallpic
    src CDATA #REQUIRED
    side (left | right) #REQUIRED
>
<!ELEMENT fullslidepic EMPTY>
<!ATTLIST fullslidepic
    src CDATA #REQUIRED</pre>
```

- Supposed to be in a slide by itself, with the option of title and subtitle use
- Used directly in <slide>

 Automatically centered, uses fixed proportions, so only height size is specified



Smallpic and sidepic:



- Choice of side required
- part of <contentblock>
- differ only in size,
 specifiable in
 parameters file



• can specify different height and width and create non-square images

Parameters

Parameters can be specified in two separate files for pdf and html generating.

- Z3_Elias_params.xml
- Z3_Elias_html_params.xml

Reason for this is different displaying size of pictures in html. That's why different image sizes are set for generating html.



Example parameters

Param name	Expected values	Purpose
cover_use	yes/no	toggle cover page
pagenum_use	yes/no	toggle page numbering
background_src	filepath	specify background image

Example parameters 2

Param name	Expected values	Purpose
footer_align	left/center/right	page number positioning
[abc]_size	10px/20pt	Font or image size in px or pt
[abc]_color	red/#110030	Verbal or hexadecimal color specification