Requirement Specification

Topic: SlideWiki Import/Export interfaces further development

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Date: 2014-05-18

1. Project Overview

SlideWiki aims to revolutionize the way how educational material is authored, shared and used. Users can also track their changes, create their own themes on top of existing themes or re-used other's themes. Our software is used to expend the functionalities of import/export interface so that users can import/export more different formats of files.

2. Present Progress

At present SlideWiki supports import from PowerPoint (.pptx files) and Deck.js files. However they are not perfect. There are still some annoying bugs after importing from PowerPoint and it will lose structure when importing from Deck.js files. Exporting files as plain text for printing works so far so good.

3. Requirements

3.1 Functional requirements

(a).Implementation of existing Import/export functions saving the presentation structure.
(b).Implementation of exporting as PDF file function.
(c).Choosing and integration of a library for enabling exporting from OpenOffice and Latex files.

3.2 Non-functional requirements

(a). Optimize importing from PowerPoint function. (to make slides better formulated)

(b). Optimize the overall user interface of importing and exporting.

4. Work flow

4.1 Tools
Apache, PHP, MySQL

4.2 Steps to work on the project

1.2.1 Installation
1.2.2 Configuration
1.2.3 Detect flaws of the import and export function
1.2.4 Find corresponding optimum library for importing
1.2.5 Test and improve the library we have chosen if necessary
1.2.6 Improve importing and exporting interface