Jeremy Perry

CIS 247 – Mobile/HTML5 Applications

Assignment 3 – Systems Specification Document

Overview

My project is going to be a prototype for an HTML5 e-book reader that is capable of dynamically displaying the e-book (in HTML) from a web server. For more details, please refer to assignment 2.

Client-Side Technology

* jQuery 1.7.2.
* turn.js e-book plugin.
* jQuery-based AJAX calls to server.
* Index.html – Welcome screen which includes button to titles page. Will eventually become the login page in later versions (beyond class scope).
* Titles.html – Page displaying titles available to read. Book title carries over to book.html by query string.
* Book.html – Page that will display the book content. Needed book is discovered from query string. Content will be dynamically read from web server. Future versions will allow for locally stored content.
* Any necessary JavaScript and CSS.

Server-Side Technology

* Transmedia Publisher Development site (<http://development.tm-publisher.com>), which is run on Drupal 7.
* A books content type. Content type is a Drupal term for defining the settings and structures of any corresponding node.
* A Drupal test node containing the content for the book. Node is a Drupal term for each specific piece of content.
* An RSS feed set up to display the book content in an XML format.

Titles.html Wireframe

|  |
| --- |
| tmBooks – Transmedia Publisher  Book 1 Title  Book 1 Author(s)  Book 2 Title  Book 2 Author(s)  Book 3 Title  Book 3 Author(s) |

Book.html Wireframe

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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Color Palette

web_app.tiff

Navigational Schema

**White**

*RGB:*

#### 255,255,255

*Hex:*

#### FFFFFF

*Usage:*

Book page background color.

**Black**

*RGB:*

#### 0,0,0

*Hex:*

#### 000000

*Usage:*

Text color in book.

**Whetstone Gray**

*RGB:*

#### 225,225,213

*Hex:*

#### E1ED5

*Usage:*

Body color, book page background.

**Spanish Moss**

*RGB:*

#### 176,180,155

*Hex:*

#### B0B49B

*Usage:*

Body background color, alternative hyperlink color.

**Feather Duster**

*RGB:*

#### 96,101,108

*Hex:*

#### 60654E

*Usage:*

Header color.

Index.html:

* Automatically redirects to titles.html

Titles.html:

* Choose from title, information carries over by query string .
* Exit application.

Book.html:

* Navigate back to titles.html.
* Exit application.

Folder Structure

folder_structure.tiff

Critical Path Analysis

This assignment concludes week 4 and the planning/analysis phase of the quarter. The next step is to commence development of the application and take the steps necessary to have it ready for presentation at the end of week 8.