

COMP 4513 Web III: Advanced Web Development

Assignment #1

Due Date: October 3, 2014

Weight: 7.5%

Note: Assignment 2 will build on your solution to Assignment 1.

Overview

Individually implement a *curriculum submission workflow system*.

Universities like MRU have processes and system in place to manage the creation and approval of curriculum submissions. The details of the system will be presented in lecture, posted in slides and generally discussed in broad terms. Groups are expected to ask enough questions and take down enough notes to capture the requirements themselves.

This assignment requires that you prototype and deliver a working version of such a system. In particular be sure to capture the classes of user, the types of curriculum submissions, the fields required, and the desired workflow.

Learning Objectives

- Plan and implement cross-browser and cross-platform solutions.
- Develop and interpret system requirements into a detailed design and solution.
- Develop and use a simple password based authentication scheme
- Identify public content can be created/refreshed automatically by users
- Design and develop modular and reusable code.
- Use CSS frameworks to enhance the look and feel of your site.
- Write a site that does not require JavaScript to function.

Submission Requirements

The deliverable for this assignment is

- The URL of your site.
- Design documents outlining the key components of your design. This should include at a minimum:
 - UML sketch of your domain model
 - Identify all classes of user and create high level use case titles (without detail).

Assignment Evaluation

While the focus of the assignment should be on the functionality of the project, marks will be allocated for the look and feel of the site, the design of the flat files, and the design and documentation of your source code. In particular I will be evaluating:

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- The functionality of the site
- The user experience (intuitive, self explanatory, help provided when needed)
- The css stylesheets
 - Only consists of elements that are used
 - Demonstrates understanding of CSS
 - Multiple sheets used if applicable
- The Php/CSS code
 - Comments are included at the top of each method/function/class and woven into tricky aspects of the code
 - Code is self-documenting, utilizing consistent naming conventions (camelCase) and descriptive names for variables, class and methods.
 - Code design is elegant, modular, and of high quality.
- The design documents
 - Describes the modules classes, using standard UML modelling techniques.
 - Identifies at least 10 use cases and all classes of user.