

## **CptS 483 Final Project**

As a demonstration of your proficiency in web development, you are required to submit a final project portfolio that contains blog-like functionality. Specifically, your project must include:

### **Authentication System**

Users must be able to log into your site. Your site should support at least two user types

1. administrators that can post content, moderate comments, and authenticate users
2. contributors that can post new content

### **Page Creation**

Your site should allow authenticated users to dynamically add new content to your site (think adding a new blog post).

### **Page Commenting**

Your site should allow users to post comments to existing pages / blog posts.

### **Two Additional Features**

In addition to the above three requirements, your project must also contain two additional features of your choosing. These may be related to the theme of a creating a blogging platform (e.g. RSS syndication) or may be completely separate (e.g. web-based video game).

## **Additional Characteristics**

In addition to the items listed above, your project must be built with the following technologies:

### **MVC Framework**

Your project must be built using an MVC framework. This framework can be the one developed for homework #3 or it may be an off the shelf framework (e.g. Code Igniter, Zend Framework, etc.). Using an MVC framework demonstrates your ability to work at a high level of abstraction and move beyond the more basic "page as an application" metaphor employed by novice web developers.

### **Adaptive CSS Layout**

You must leverage adaptive CSS layout in order to ensure that your project performs well across a variety of screen resolutions. You may accomplish this using your own framework or you may use an off the shelf framework (e.g. Bootstrap).

### **AJAX Functionality**

Asynchronous web calls can be used to facilitate a more rich and interactive user experience and form the core of many popular websites. At least one of your pages must make use of asynchronous data calls using any method of your choosing.

## **Grading Criteria**

Your project will be graded based on how well your submission meets the preceding criteria.