**George Mason University**

**IT 331, Introduction to Web Development I**

**Project #4**

**Before beginning this project, read the “Project Introduction” document located in the same folder for details on the project rules and submission.**

Your web development focus of this project will be on AJAX and jQuery.

**Project Requirements**

1. 7 web pages minimum (including the XML file), with a clear method of navigation between pages on your site.
2. Coding requirements:
   1. **Comments**: be sure to include detailed comments that "tell the story" of your code.
   2. **Readability**: your source code should be easy to read and grade. To ensure this, be sure to use plenty of appropriate white space in your code and indent the lines of a structure's body.
3. Features (all features must be relevant to your Web site):
   1. Your site must include at least 1 example of “Raw” Ajax (scripted manually without the use of any frameworks / toolkits**)** that uses the ***XMLHttpRequest*** object.
   2. Your site must include at least 1 feature (e.g., effect, animation, ajax) from the jQuery Library (excluding jQuery UI or any jQuery plugin).
   3. Your site must include at least 1 feature (e.g., Autocomplete, Datepicker, Dialog, Button) from the jQuery UI Library, implemented either manually or using Adobe Dreamweaver CC.
   4. Apply some type of validation on **at least three different** form fields (e.g., text field, password field, checkbox group) that you have created previously in Project 1. You must use a jQuery Plugin (e.g., jQuery Validation Plugin) to implement this feature.
4. Overall, your site needs to be easy to use, navigate, and understand. All pages of your site should be consistent in terms of color theme and fonts with the use of the external style sheet.

***Have Fun!***

## **Grading Criteria**

|  |  |
| --- | --- |
| Description | Points |
| **Fundamental Rules**   * The web site is hosted on the Mason cluster server * No violation of Copyright laws or Fair Use limitations * No copying, plagiarism, or using any existing web page templates | 50 |
| **Description/documentation**   * Saved in an MS Word document * Includes the URL to your web site * Includes the file names of the pages that are included in the current site, and a short description of each page * Includes the file names of the pages that have been newly created or modified since last project * Includes a detailed explanation of how each requirement (as listed in the project specification document) is met AND where the associated feature/component locates * Includes an explanation of any special features (optional) | 10 |
| Project Requirement 1: 7 Minimum Pages (including the XML file) | 2 |
| Project Requirement 2a: Coding Requirements   * 2a; 2b | 3 |
| Project Requirement 3a: “Raw” Ajax | 7 |
| Project Requirement 3b: jQuery Feature | 7 |
| Project Requirement 3c: jQuery UI Feature | 7 |
| Project Requirement 3d: Form Validation using jQuery Plugin | 9 |
| Project Requirement 4: HTML Validation | 3 |
| **Overall**   * Navigation is intuitive and consistent; No broken links, buttons, or graphics * Color theme and fonts are consistent and appealing * Content and web site design shows effort; Web site text is clearly written and free of spelling and grammatical errors. | 2 |
| TOTAL | **50** |