**George Mason University**

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

**Project #1**

**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 HTML5, CSS, and Bootstrap.

**Project Requirements**

1. ~~4 web pages minimum, with a clear method of navigation between pages on your site.~~
2. ~~A disclaimer statement must be stated on the home page or linked from the home page. The disclaimer will state that~~ *~~“this website is developed as an educational project”~~*~~. If any copyrighted materials are included in accordance to the multimedia fair use guidelines, a notice should be added and states that~~ *~~“certain materials are included under the fair use exemption of the U.S. Copyright Law and have been prepared according to the multimedia fair use guidelines and are restricted from further use”.~~*
3. CSS:
   1. Your site must be linked to one or more **external** style sheets. The whole site should use the same style settings; do not use a different style sheet for each page of your site.
   2. All presentation and layout control throughout your web site should be based on the external style sheet; the use of inline and embedded styles should be minimized to the greatest extent. (This implies that your site should be based on a **CSS-only** layout; a table-only or hybrid layout is unacceptable.)
   3. ~~Give an external link (absolute URL) to the CSS style sheet on your web page (i.e., users can click on the link to view style sheet rules).~~
4. Responsive Web Design:
   1. At least the Home page of your website must be based on a responsive web design (RWD) layout using **Bootstrap**, so the layout and content adjust according to different device and screen sizes.
5. ~~Navigation Bar:~~
   1. ~~Each page of your site must include a~~ **~~list-based~~** ~~navigation bar at the top of the page or along the left / right side of the page (or both) that contains links to all of the pages in your project~~**~~.~~**
   2. ~~You must use CSS (and lists) to implement the navigation bar.~~
6. Images:
   1. ~~Your site must include at least 3 public domain (or freeware) images that are appropriate to your content and of good quality. Artwork created by you or photos taken by you can satisfy this requirement. The use of a background image does not satisfy this requirement.~~
   2. ~~Use Alt attributes for all images.~~
   3. ~~At least one image must be framed (containing border, padding, and/or background color, etc.).~~
   4. ~~The source and copyright information of each image must be properly cited and acknowledged.~~
7. External & Internal Links:
   1. ~~Your site must include at least 5 external links and 2-3 internal links on at least one of the web pages of your site.~~
   2. ~~You must use CSS pseudoclasses (e.g., a:link, a:active, a:visted, etc.) to style the links.~~
8. List:
   1. ~~Use an ordered or an unordered list (at least one)~~
   2. ~~You must use CSS to style the list bullets. The css (and lists) used to implement the navigation bar does not satisfy this requirement.~~
9. Table:
   1. ~~Use at least a table to display tabular information relevant to your web site. The use of a table for your site’s navigation menu or overall layout~~ **~~does not~~** ~~satisfy this requirement.~~
   2. The table must be sufficiently complex; it should contain more than 3 rows and 3 columns with row or column shade.
   3. You must use CSS to style the table.
10. Form:
    1. ~~Create a form that allows the user to enter some information related to your site.~~
    2. ~~The form must include at least five types of~~ **~~traditional~~** ~~form elements (e.g., text fields/areas, checkboxes, radio buttons, lists/menus, buttons, etc.) and at least two types of~~ **~~new HTML5 form elements~~** ~~(e.g., color, email, range, etc.)~~**~~,~~** ~~grouped into sections using “fieldset” and “legend” tags.~~
    3. ~~You must use CSS to style the form and its elements.~~
11. CSS3 Features:
    1. ~~Your site must include text shadows (i.e., property text-shadow), box shadows (i.e., property box-shadow), or rounded corners (i.e., property border-radius).~~
    2. ~~You must use CSS to implement and style the features.~~
12. Validation:
13. All pages in your web site must pass the validator with the use of an **HTML5** Doctype. This of course implies that the proper meta information (document type, character encoding information, etc.) is present in every page of your site. The use of a CSS validator is optional.
14. 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**

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| --- | --- |
| 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, plagiarizing, 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: 4 Minimum Pages | 2 |
| Project Requirement 2: Disclaimer | 1 |
| Project Requirement 3: CSS   * 3a; 3b; 3c | 3 |
| Project Requirement 4: Responsive Web Design/Bootstrap   * 4a | 3 |
| Project Requirement 5: Navigation Bar   * 5a; 5b | 4 |
| Project Requirement 6: Images   * 6a; 6b; 6c; 6d | 4 |
| Project Requirement 7: External & Internal Links   * 7a; 7b | 2 |
| Project Requirement 8: List   * 8a; 8b | 2 |
| Project Requirement 9: Table   * 9a; 9b; 9c | 6 |
| Project Requirement 10: Form   * 10a; 10b; 10c | 6 |
| Project Requirement 11: CSS3 Features   * 11a; 11b | 2 |
| Project Requirement 12: 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 show effort; Web site text is clearly written and free of spelling and grammatical errors. | 2 |
| TOTAL | **50** |