CS 2800 – Web Development I
Fall 2015
Semester Project

Part 1 - 20% of project grade. Due Saturday, September 26, 11:59 pm

Part 2 – 25% of project grade. Due Saturday, October 24, 11:59 pm

Part 3 – 25% of project grade. Due Saturday, November 21, 11:59 pm

Part 4 – 30% of project grade. Due Saturday, December 12, 11:59 pm

All parts of the project will be accepted up to 24 hours late with a 10% grading penalty. No work accepted after the 24-hour grace period has passed.

General requirements:

For your semester project, you will design a web site consisting of at least 5 pages. Your site design must follow accepted usability guidelines (see chapter 18 in the Murach textbook). You must also follow the requirements for each part, which will be provided as the semester progresses. Be sure to validate all pages for HMTL5 before submitting them. Errors must be corrected on subsequent submissions; for instance, if part 2 had implementation errors that were mentioned in the grading comments, you must fix those errors in your part 3 submission.

Part 1 Requirements:

1. Describe your web site – what is it's purpose, who is the intended audience, what information does it need to convey? Also include a list of each page your site will need, with a short paragraph for each page describing its purpose and content. Keep in mind that you will need to incorporate images, lists, tables, forms, audio, video, and the ability to print within your site, so create a site that will be able to use these elements. Upload your description, named *yourLastName_description.docx*, to the Part 1 dropbox on Pilot.

2. Create a site map of your project, using the hierarchy chart tool in Word (search the web for instructions if necessary). Upload your site map, named *yourLastName_site_map.docx*, to the Part 1 dropbox on Pilot.

3. Create two wire frames for your home page. One wire frame will be for the mobile design, one wire frame will be for the desktop design. Keep design guidelines in mind when designing your pages—in the mobile design, vertical scrolling is fine, but the user should not need to scroll horizontally. In the desktop version, keep important information above the fold. Your home page must include the following:

   - A header with a title (business name or similar) and logo for your site
   - A horizontal navigation bar that allows the user to move to the other pages in the site
   - A main content area that includes images and text
   - A footer (content of your choosing)
   - Contact information, such as email and links to social media, should be incorporated into either the header or footer

   Upload your wire frame documents, named *yourLastName_wireframe_mobile.docx and yourLastName_wireframe_desktop.docx*, to the Part 1 dropbox on Pilot.

Part 2 Requirements:

Implement these parts of the web site you described in Part 1:

- Create a folder hierarchy to organize your site. At a minimum, you should have a main folder; within that main folder you should have a separate folder for images and a separate folder for css files. Name your main folder *yourLastName_website*. If you prefer, you may change the *website* portion of the main folder name to something more descriptive of your site.

- Write the html for your home page, named *index.html*. All content, whether it is for mobile or desktop, must be included. No styling, with the exception of setting widths for images, may be done within this page.

- Write the html for all other pages in your site. You will use the same header and navigation bar and the same footer as on the home page. The body of these pages may be empty at this point (or use lorem epsum text if you prefer to fill something in). Be sure to link back to the home page from each of these pages through the logo in the header. Be sure all links in the navigation bar work properly, so that the user can navigate to any page from any page.

- Your head section should include a title, favicon, and meta data with a description and keywords.

- Include normalize.css in your project and link to it from the header of each page in your site.

- Write the CSS to style both the mobile and desktop versions of your home page. Style the mobile version first, setting colors, fonts, margins, etc., to achieve an attractive design. Then use media queries to style the desktop version. (If you prefer, you may style the desktop version first and use media queries to style the mobile version.)

Turn your site in in two forms:
- Zip your web site folder and upload it to the Part 2 dropbox on Pilot.
- Publish your web site to the CS2800 server (transfer the files to your account on the server using an ftp client).