CST8285: Web Programming

Assignment 1
HTML & CSS

Objectives

- correctly use HTML tags in designing a personal Web page
- correctly use CSS styles

Assignment

- In web development a personal portfolio is an important tool for job hunting. In addition to containing all of your resume information it should also include links to live examples of your work demonstrating skill with professional formatting and layout as well as interactive content. Your overall goal with the project is to create your Personal Website using HTML and CSS from scratch. The website you create will provide a comprehensive portfolio about who you are and what makes you differentiated from the rest of the pack. Your website should be clean, professional, and presentable. Therefore, it is essential that you ensure you have a positive online presence.

The web page should reflect your academic studies and have some focus on your professional ambitions. The website can be fun and light-hearted but should ultimately represent yourself in a positive way to a general viewing audience.

Structure

Landing page (home page)

- the index page is the introduction page. It must contain a title (containing your name), a picture of you, A description of yourself in two sentences or less. Emphasize the most important word(s) by putting them in bold, it will include some information on yourself, your hobbies, and your activities, information about the college, and a link to your college.
  Note that you may only use the gif, jpeg and png image file formats in web pages.

Second Page(resume)

This page will include some information about your Experience, Skills, Education, Goals and Objectives. Also, your page should include attractive links (with thumbnails and descriptions) to 1 or 2 of your completed labs.

Third page (courses)

This page will include an information about your curriculum. List of the whole courses that you should finished so far. This page should include:

- Search bar
- Listed courses with image (book cover, or any image represent the course), title of the course, level, course code and a brief description about the course
- An area that lets you filter course by level
- An area that lets you sort by level from lowest to highest and vice versa

Requirements

- The site will be original.
- HTML should be organized from clear semantically identified elements (eg. nav, header, body, footer, etc.)
- There will be working navigation bar on the top each page
- A minimum of three HTML pages and a single separate CSS file used by all of your assignment pages.
- Quality of presentation.
    - The site must appear professional.
- Quality of content.
    - The website should be designed to impress an employer
- Basic, rushed, bare bones, sloppy, and/or careless projects will suffer from point deductions
- All pages in the site must contain the same header, footer, and navigation.
- All pages in the site must be formatted with CSS so they are consistent with other pages in the site.
- The project should include the following: lists, images, links, linked pages, various heading styles (usage of h1, h2, h3, etc.) and all content must be styled.
- All formatting must be done using an external style sheet (no internal CSS)
- You will need to follow proper folder structure and naming convention: web folder, filenames, etc.
- Your "home" page should be named "index.html"
- The navigation bar for all pages in the site must be include working links for all of the pages that have been created thus far.
- Your code should be structured perfectly and has great spacing and indentation.
- Your code should be commented in such a manner as Concise, meaningful, and well- formatted
- The images are well chosen and sized appropriately.
- image paths should be relative to your web folder.

- Responsive layout with both a mobile and desktop mode available.
- Do not use any copyrighted content on your webpage.
- Follow the Web Content Accessibility Guidelines (WCAG) discussed during the lecture.

This project is very open ended. Use your creativity and have fun with it.

Web Page Validation

The W3C maintains a validator page for checking if your code meets proper HTML and CSS standards.

- **Pages must validate for CSS3 and HTML5(you should submit screen shot of the validation for all pages).**

Other Important Requirements

- Demo and justify your work and provide correct answer to professor questions.
- The work will be graded zero if you do not demo it on time, even if uploaded.

Assignment Strategy

• This assignment must be done individually.

Project Submission

When the project is completed and tested you will package up the deliverables as follows:

- All website collateral (code, images, etc.) arranged in folders so that they can be installed in a subdirectory on the lab instructor's.
- A wireframe for your web page as a two-dimensional illustration of a page's interface.
- screen shot of the validation (HTML and CSS).

Upload the **zip file** to group assignment on BrightSpace.

Grading

- Requirements 80%
- The code is structured perfectly, commented and has great spacing and indentation 10%.
- Stunning design and innovation 10%

Suggested Weekly Schedule

- Week 2 – Read the assignments
- Week 3 – wireframe creation
- Week 4 – Content creation
- Week 5 – Add style
- Week 6 – Testing and documentation. Double check your work and submission
- Week7- Demo

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• Due Date

- **Sunday 23/10/2022. …. Midnight**