Programming Assignment-1

Take Home Series ~ CSI 3150

Develop the content structure of your very own portfolio website using HTML 5 only. Styling and scripting aspects are not necessary for this assignment. Total time – 7 days.

Instructions:

You must make use of Git and Github. Instructions on using Git has been discussed in class. Instructions for using Git with Github and hosting using Github platform (a.k.a github pages) will be discussed this coming week. Your final submission should be a PDF document which must list 2 links –

- Link to your github repository. Your public repository name must have the following naming convention - yourname_hw1TH_csi3150_ws2023. And,
- Online link to access your web site. You can use "Github Pages" to host your website free (Further instructions will be given in class. For additional reference ahead of time you may refer to my YouTube video https://youtu.be/_kPN6tiEogw and syntax for git and github given in HTML 5 wrap up slides available in Moodle from slides 14 to 41) [if you choose to host your website with a different hosting service that is also acceptable. Provide the appropriate hosting link to your website.]

Directory Structure:

Your workspace must have the following directory structure:

- yourName_portfolio_website /*Root Directory Name*/
  - html /*sub-directory name. Contains all html pages other than home page*/
    - my_resume.html
    - my_fun_facts.html
  - As assets subdirectory containing the following sub-directories within it
    - img /*sub-directory name - contains all images*/
    - audio /*sub-directory name - contains all audio files*/
    - video /*sub-directory name - contains all video files*/
  - index.html /*This will be your homepage/ landing page*/

General Features of the pages:

The website [and individual pages] must have a title and favicon [Hint: favicon is the image icon we see in the browser tabs for every website. To add your own favicon, use the link tag along with the rel attribute as icon in the head section of your html page. https://www.w3schools.com/html/html_favicon.asp].

The page does not need any CSS components or styling rules. It should be developed using HTML5 only. You should also use HTML attributes (width or height) to structure your elements, but again no styling attributes should be used. Make sure to validate your pages (https://validator.w3.org/#validate_by_uri) to check for syntax errors and accessibility issues before you submit.

Page Content:

Background Information: Your website will consist of 3 pages as follows:

- A home page
- Resume page
- Fun Facts about me page

Content of Each Page:

(These outlines should be treated as a general reference to understand what I am expecting. How you structure the content is up to you as long as the content outline given below and the general features mentioned earlier are present in your pages. Aspects which if missed will cost you points penalty are listed at the end of this document in red ink.)

Home Page:

-- The page should have a heading that should indicate your name and that this is your portfolio website.

-- It should also contain the navigation bar listing the three pages [this nav bar must be present in all pages]

-- It should have an image of you [or an avatar image of you]

-- Below the image, you should give a quotation from some personality that resonates with you. This quote must be indented in the page without using any styling rules.

-- Then, the page should have a brief paragraph or two introducing yourself to your audience. This is sometimes called an elevator pitch. Tell them who you are where are you from (little bit of your background), what is your current professional affiliation, what are your prior professional and what are your future professional interest. This content should be ended by linking to your other two pages by stating something like - "to know more about me check out my Page2 and Page3".

-- A progress bar or a meter bar showing how many degree credits you have taken/away from graduation. (For example, you have taken 100 course credits out of 130 to get a B.S. degree – and represent this using a progress bar)[This is an applied task, I want you to you all to research and implement this.]

-- At the bottom of the page, you should specify your copyright information; your email; any other social media sites that you want people to know of. This portion of the content should be separated from rest of the content using a horizontal rule/line that should be visible on the page.

Resume Page:

-- the title of page should be the same as your home page and must include the favicon as used for the home page

-- It should also contain the navigation bar listing the three pages, as you have for your home page

-- The heading of the page should be as follows - "Your Name - Resume"

-- The page should have a sub heading listing your contact information, like your address, email, and telephone no. [No need to list your actual info if you don't want to or plan to use this protofolio website for your personal use. You can use placeholder information for the sake of the assignment]

-- The next content should be first section of your resume. This should be called "Objective" and it should have a brief description about your professional objective (about one or two sentences). For example, "Seeking an internship for summer 2024 as a front end or full stack web developer."

-- The next content should be your "professional experience". The content should be listed in subsections with each sub-section listing a specific experience. The heading of the subsection should be as follows - "Start date -- End Date, Job Role, Company Name, Location". After each sub-section, you should give a brief description of your job role in one to two sentences.

--The next content should be your "educational experiences". This should be represented as a tabular content with 2 columns. The first column should be called "start--end" and should outline the start year and (expected) end-year. In addition, the second column should be titled "Degree" and should outline name of degree, place, and location.

--The next content should be your "Extracurricular Interests and Hobbies" and should have a one or two sentence description outlining your extra-curricular interests and hobbies like sports, reading, cooking, singing, etc.

-- At the bottom of the page, you should specify your copyright information; your email; any other social media sites that you want people to know of. This portion of the content should be separated from rest of the content using a horizontal rule/line that should be visible on the page.

Fun Fact Page:

-- The title of page should be the same as your home page and must include the favicon as used for the home page

-- It should also contain the navigation bar listing the three pages, as you have for your home page

-- The heading of the page should be as follows - "Some fun facts about me"

The rest of the content of this page must have three independent segments where you will specify the following:

-- Your [current] favorite book title, with its cover image, link to where readers can purchase the book (Amazon.com, Kindle etc.), and a short description in your words what you like about the book.

-- your [current] favorite audio track title with artist name, with a short audio sample and link to music shop place where the audio can be purchased or link to YouTube or YouTube Music or Spotify.

-- Your [current] favorite movie or tv series name, with a trailer video embedded from YouTube Website. This embedding can be done using the page within page style or what is called a frame display i.e. a different webpage window cleanly embedded within your webpage. Although styling is not required, you must take care of structuring your content/html elements, which can be done using html attributes.

Aspects that will cost you point penalty if not included (this is NOT an exhaustive list):

1. You must make use of sematic HTML tags as much as you can. Absence or minimal use of semantic tags (less than two or three per page) will cost you point penalty.
2. Not using Github and Github pages to submit your assignments.
3. Not following the directory structure as instructed
4. Code not documented as and when needed.
5. Syntactical or accessibility issues present in your final product.
6. Not following the general expected content outline as given in the instructions.