Assignment 3: Individual Website Design and Implementation (Individual)

The intent of this assignment is to build a Webpage (design & implementation) based on the knowledge that you have gained throughout this course.

Individually, build a website (at least two pages) that stands as your home page/resume, and you will make it a public page[1]. You are familiar with different design concepts, accessibility requirements, and you know how to implement responsive layouts. You are going to combine all your knowledge to build your homepage. Here are some steps that can help you to complete your design and implementation.

Design/Development Process

Step 1) First, prepare the content that you want to show on your page.
- Include your education, work/volunteer experience, projects you have done and their descriptions, your achievements, courses you have taken, and your skills, hobbies, etc.
- Include a short (less than 2 minutes) video or audio in your Webpage, that you record using your phone or Google Meet. To support accessibility, a transcript of the media will need to be made available.

Step 2) Think about the order and the importance of the web pages' content and develop an appropriate reading order. You are strongly encouraged to create a prototype of your Website using tools like Figma (https://www.figma.com/) or https://www.diagrams.net/
- Since your website must have multiple pages. You will need to have a menu that helps users navigate your website.

Step 3) Select your colors and fonts and try them on your prototypes. When you are happy with the design of your prototypes, start your implementation.

Step 4) Develop your web site using the ideas we've covered in the class:
- Create (and use) an appropriate file/folder structure for the site.
- Use **semantic** and **structural** HTML elements to define the page
  - You can use **Bootstrap** or a CSS **Grid** (with nested flexboxes) for your implementation.
- Use (an) **external CSS** style sheet(s) and use CSS **variables**. It should be possible to change the theme of your website by changing these values
- Make your page **responsive** (at least two appropriate break points and test how your layout is changing when the screen size changes.

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[1] If you do not want to have an online resume with your information, you can create the page using fake information for an imaginary person!

- Make your page **accessible**: consider contract ratios, navigation, and robustness (aka does it work for most technologies).

Step 5) When your layout works and is responsive, **add your content to** the pages.

Stage 6) When your implementation is complete, **review your website** and make sure that it looks professional and it covers all the requirements. Check with a HTML validator, contrast checkers, accessibility checkers, on multiple browsers, and at various screen resolutions.

Stage 7) Make your homepage public using Netlify (or other service if previously discussed with the instructor)

Stage 8) Submit your assignment
1. If you haven't previously, invite your instructor to your web site's GitHub repo.
2. Via D2L submission comments:
   a. The link to your public homepage (aka result of step 7)
   b. The URL to your Git repo ← this last step is essential as it where **you** make clear that you did the work. Repos that do not demonstrate a development process will not be awarded full marks.

Grading

Your assignment will be graded based on the overall quality of the website, as well as completion of the technical requirements.

Area	Point
Design ● Design and accessibility rules are followed, o All pages have a professional and consistent look and feel o Navigation is intuitive/easy/clear	 5 5
Technologies ● Correct implementation of responsive layouts (two breakpoints). ● Working navigation throughout ● Accessibility technologies applied appropriately ● Content of the page: personal information, media (working) ● Correct use of CSS style sheets & variables ● Self-documenting and appropriate code and folder structure.	 10 5 10 10 10 5
Versions & submission ● GitHub repo (demonstrating 1 person's development process) shared ● Live URL shared	 5 5
Total	70