Web Development 2

Project 02: Build a Responsive Web Page from a Pre-Designed Mock-Up

Course Value: 20%

Due: January 11, 2025 - End of day (11:59 pm)

Instructions:

1.) In your group from Project 1ab, search the web for a website mock-up that your group will create the code for.
   a. Suggested websites for website design mock-ups:
      i. https://godly.website
      ii. https://land-book.com
      iii. https://www.lapa.ninja
2.) Get approval from your instructor for your selected mock-up.
3.) Create a fully working responsive web page using HTML/CSS (Sass) and JavaScript that matches as closely as possible to the mock-up design selected in Step 1.
4.) For this project, you must write your CSS using Sass.
   a. **Note:** You will learn Sass in this course.
5.) Create a GitHub repository for this project for your group.
   a. Invite your instructor to your GitHub repo
   b. All your code should be version-controlled and stored this GitHub.

Important Project Notes:

- All team members will receive the same mark.
- The website should be mobile responsive
   o If your selected mock-up only has a desktop view, you must still develop a tablet and mobile version of your mock-up
- The website should have a working mobile menu system.
- The website should be coded using a mobile-first methodology.
- The more closely your website matches your selected mock-up, the higher your mark.
   o If images, fonts or other assets in the mock-up are not available to you, then you are permitted to use alternative images and fonts

Recommended Development Strategies

- **Avoid Merge Conflicts**
  - Avoid working on the same code file one or more of your teammates are working on. Multiple people working on the same file can lead to version control failure, merge conflict errors, and confusion about the latest file version. This issue is common among beginner coders working in teams, so it's best to avoid it.
- **Make Your Code Modular**
  - To boost productivity with multiple people, make your Sass code modular. Divide it into partial files and import them into the master "styles.scss" file. This way, team members can work on different project parts without interference.
  - Since breaking up the HTML file into module parts is difficult, it's recommended that you sit down with your team to build the HTML file first.
- **Communication is Important**
  - Communication is vital when working on a project as a team. Refrain from assuming your teammates know what you know. Keep your teammates in the loop and communicate often.
  - Inform your team before editing a file to prevent merge conflicts. Use modern communication tools like text messaging, Slack, email, and social media to stay updated when working remotely.
- **Do Not Version Control Compiled CSS**
  - Do not version control computer-compiled CSS code generated by the Sass compiler. This can lead to merge conflicts.
  - Use a .gitignore file to prevent Git from tracking your compiled CSS files.
    - Add the path to the folder where your compiled CSS files are located.

Project Submission

- Upload a URL to your GitHub repo and a link to the original mock-up to the dropbox for this project
    - Only one group member needs to upload the project.
    - In your submission notes, include the following:
        - the names of your group members.
        - Any modifications you needed to make to your site and the reasons for these modifications

Technical Mark Deductions

- Significant differences between the mock-ups and your submitted project will receive a 2-mark deduction for each significant difference from the "Website matches mock-up" marking category.
    - Tablet and mobile views without mock-ups will be evaluated based on the usability of their user interface and how well their design matches the desktop mock-up.
- Slight minor differences in your design compared to the mock-up will not cause mark deductions
    - Examples of minor differences include:
        - minor colour differences
        - minor font-size differences
        - minor spacing differences

Marking Criteria:

- Sass properly implemented	2 marks
- Well-formed and semantic HTML used	3 marks
- Functional responsive layout and menu system	5 marks
- Website matches mock-up	10 marks
- **Total**	**20 marks**