Congratulations!

You have successfully completed HTML & CSS & JavaScript modules on your front-end aspire journey.

Time to create your second project!

NOTE: Book in a session with your mentor to discuss your project and your plan on moving forward.

Project 2

Main Technologies Required: HTML, CSS, JavaScript
Optional: Bootstrap and/or other CSS libraries/frameworks/any other JavaScript libraries like jquery

Project 2 Idea 1 - JavaScript Quiz

Overview:
- Create an online Quiz of your choice
- You will include a 'How To' page with clear instructions.
- You must use appropriate use of JavaScript for the Quiz functionality.
- You will regularly commit your work to Github as you create your website.
- There are many examples online of a variation of JavaScript Quizzes

Project 2 Idea 2 - JavaScript Pairs Game

Overview:
- Create an online JavaScript Pairs game.
- You will include a 'How To' page with clear instructions.
- You must use appropriate use of JavaScript for the games functionality.
- You will regularly commit your work to Github as you create your website.
- Again there are many good examples online.

Up for a challenge? (optional)

- You may include background audio/sound effects but make sure there are controls to pause and play the audio on either project ideas.
- You can include difficulty levels for the user to specify at the beginning on either project ideas.

Mandatory Requirements for your JavaScript front end project:

Information Architecture:

- Incorporate a main navigation menu and structured layout (you might want to use Bootstrap to accomplish this).
- Incorporate a footer at the bottom of each page.

Attribution:

- Maintain clear separation between code written by you and code from external sources using clear comments. Include the url of where you found the code (e.g. libraries or tutorials).

Documentation:

- Write a README.md file for your project that explains what the project does and the value that it provides to its users. Attribute any code from other sources. Document all testing procedures and findings.
- Use 'markdown' when writing your README.md file.
  https://er-bharat1992.medium.com/writing-readme-md-markdown-file-file-bd711d1afbfa

Version Control:

- Use Git & GitHub for version control.
- Make sure you are adding, committing and pushing your code regularly throughout creating your project.
- When committing your code to GitHub, ensure you commit messages describing what code you have changed since the last commit.
- Here is a good example of descriptive and regular commits throughout the project creations: https://github.com/sw1ckham/i-brary/commits/master

Deployment:

- Deploy the final version of your code to a hosting platform such as GitHub Pages.
- To do this:

- Open your project repository on Github, Go to the 'Settings' tab.
- Scroll down to 'GitHub Pages'
- Under 'Source', click on the 'None' dropdown and choose 'Master'
- Make sure the Root Folder is selected and click 'Save'.
- Your page will reload, scroll back down to GitHub Pages and you will now see a URL. This is a link to a live version of your site.

Testing:
- Make sure to run your code through code validation & quality tools for example:
  HTML - https://validator.w3.org/#validate_by_input
  CSS - http://jigsaw.w3.org/css-validator/
  JavaScript - https://javascriptvalidator.net/
- Document all errors and warnings found, make sure you document your process of fixing these errors.

Things to consider:

Your second project will be assessed based on the following criteria:

Usability and Visual Impact:

- Project Purpose
- UX design
- Suitability for purpose
- Navigation
- Ease of use
- Information Architecture

Layout and Visual Impact:

- Responsive Design
- Image Presentation
- Colour scheme and typography

Code Quality:

- Appropriate use of HTML
- Appropriate use of CSS
- Appropriate use of JavaScript

Software Development practices:

- Directory Structure and File Naming
- Version control
- Readme file
- Comments
- Deployment implementation
- Deployment write-up

Testing practices

- Code Validation and Quality Assurance
- Documentation of testing

Well done!

Send your Github repository URL, and your GitHub pages URL to your mentor. Await feedback.