Front End Web Development Project 2: Responsive Layout + Javascript (total 10 marks)

Project Instructions

Part 1: (3 mark)

Create your file structure:

- Create an index.html and styles.css file.

- Create a folder called **css** and put your styles.css file inside of it. The name of the folder should not be capitalized.

- Link the styles.css file to index.html

Build the layout using a mobile first design:

- Make sure the HTML file includes the viewport meta tag in the head of the document. See Configuring the Viewport to understand why and how to add this tag.

- Look at the provided mockup for the mobile device and add the same header, titles, content and footer information into your index.html file.

- Use the provided images for the portfolio gallery images shown in the mockups.

- Use a font from Google Fonts for the text.

- Use CSS to style your layout to match the provided mobile mockup. Make sure your mobile design matches the mockup at 320px screen size.

Once you have everything in place for the mobile layout, use media queries to add breakpoints to adjust the layout for wider tablet and desktop screens.

- Match the design as it should look on a tablet device that is 768px wide and a desktop screen size that is 1024px wide.

- Use a mobile-first approach by writing your media queries using the min-width property in your CSS.

Once all your breakpoints are in place, double check your layout matches the three mockups.

- The design does not need to be exact, but the general spacing and arrangement of the elements should match the design of the mockups for mobile, tablet and desktop.

- Feel free to replace the profile image and customize the text, but the layouts should match the mockups.

Link your navigation menu to the correct sections of the page using IDs to link to anchor tags.

Make sure to check your code is valid by running it through an HTML and CSS validator.

- Links to the validators can be found in the Project Resources. This will help you spot any errors that might be in your code.

- There are a few exceptions that you don't need to fix:

- Don't worry about any warnings, you just need to check any errors that might be there.

- If CSS validator flags use of calc, vendor prefixes or pseudo-elements/pseudo-classes these errors should be ignored.

- If HTML validator flags use of pipe ('|') in Google font links/URLs this error can also be ignored.

NOTE: A good practice is to check your project for cross browser compatibility. Making sure that it looks and functions correctly in multiple (at least three) browsers.

Add an additional section to the page, such as a skills section. You can link it to your first Assessed project . Don't forget to create a working link to your new section in the navigation menu.

Part 2: (2 mark)

Add at least TWO additional items to further style and enhance the portfolio:

- Add some other images from the few projects that you have done so far

- A new background color for the navigation and/or main sections of the site.

- Change the color of at least one piece of text.

- Add one additional google font that is being used on the page.

- Any additional styling for links (ie, borders, hover states).

When creating your navigation bar, use the HTML5 nav element for extra structure and semantic markup.

Part 3: (5 marks)

Create Modals for each of the items so when you click on each image, a modal box opens showing the image larger. Add a close button (e.g., "X") that by clicking on it you close the modal box and brings you back to original page. **(3 marks)**

Write code so by clicking anywhere outside of your modal, the modal box closes and you go back to your main page. **(2 marks)**