Documentation

Source Code - https://github.com/adxxtya/frontend-assignment

Hosted On - http://logoipsum12.tk

1. The Process

Firstly,   I planned and designed the layout of the landing page and contact page which was followed by setting up the basic structure of the project using HTML but using React (more about this in the next section). Next, I styled the pages using CSS, adding colors, fonts, and other visual elements to create an attractive and consistent design. I chose the specific color - Science Blue which is very soothing to the eyes and attractive. Later, I added interactivity to the pages using JavaScript component functions, including buttons, links, and forms for the contact page and any other interactive elements that were needed. Lastly, I added CSS code for making the website mobile-friendly (responsive).

2. Technologies Used

The programming languages used in the project includes React, HTML and CSS. Although the project I created could be easily built with plain JavaScript and plain HTML, CSS, I chose to develop the website using React to enhance and create the page as a single page application which provides fast routing without refreshing and better validation process and easy responsiveness to the website. I used github to upload my project and save for the sake of sharing the project.

3. Responsiveness

To ensure mobile-friendly development. I used CSS Flexbox and Grid layout to create a flexible and responsive grid system that adapts to the screen size of the user's device. This allows the layout to adjust to different screen sizes, providing a consistent and optimal viewing experience on all devices. Also, I used media queries to apply different styles based on the screen size of the user's device. This allows me to adjust the layout, font size, and other elements to better suit the smaller screen size of mobile devices.

4. Obstacles

One of the challenges I faced was creating a layout that was fully responsive across all screen sizes. I addressed this by using CSS Flexbox and Grid layout to create a flexible and responsive grid system that adapts to the screen size of the user's device, and also by using media queries to apply different styles based on the screen size of the user's device. Another challenge I could have faced was cross-browser compatibility but that was resolved by React itself. I also faced some challenges in the deployment process but I resolved them by following the proper documentation and troubleshoot using online resources.

5. Lessons Learnt

- Plan and organize: Before starting the development process, I took time to plan and organize the project by creating a detailed project plan and breaking it down into smaller tasks. This helped me to stay on track and ensure that all aspects of the project were covered.

- Keep the code clean and organized: I made sure to keep the code clean, organized and well-documented. This made it easier for me to understand and maintain the code, and also for other developers to understand it.

- Use developer tools: I used developer tools provided by the browser to debug the website, such as the browser's developer console, to troubleshoot and fix issues.