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Project 5 Creating a Class Portfolio Portal with CSS and Bootstrap

As an undergraduate Economics student enrolled in an Intro to Internet Computing course, I was assigned to develop a Class Portfolio Portal. The objective was to create a visually appealing and responsive personal portfolio page showcasing various projects completed throughout the course using CSS and Bootstrap. This report details the development process, tools used, and challenges encountered throughout the project.

Visual Studio Code (VSCode) was used as the primary code editor for this project. The editor provided helpful features such as syntax highlighting, autocompletion, and integrated version control, making writing, debugging, and organizing the code easy. The web page was tested on multiple browsers, including Google Chrome, Mozilla Firefox, and Microsoft Edge, to ensure cross-browser compatibility and provide a seamless user experience for a wide range of users.

The Google Fonts API incorporated the 'Inter' font into the project, providing a modern and clean typographic style. FontAwesome was also integrated to display social media icons and provide a visually appealing way to link to external profiles. The layout and styling of the page were done using custom CSS and the Bootstrap CSS framework, including Flexbox for the layout and media queries for responsiveness.

One of the more time-consuming tasks in this project was creating a responsive sidebar that would adapt to different screen sizes. This involved writing media queries to adjust the layout and styling of the sidebar based on the screen width. Ensuring that the content area was

displayed correctly alongside the sidebar was also a challenge, requiring multiple CSS positioning and sizing properties adjustments.

Another challenge was handling image sizing and positioning for the author's photo and the background image in the content area. Ensuring that the images were responsive and would display correctly on various screen sizes required careful adjustments to the CSS properties, such as object-fit and background size.

I faced a significant struggle during the project: properly sizing and positioning the div blocks within the content area. This required considerable trial and error, tweaking various CSS properties such as width, height, margin, and padding. Balancing the aspect ratio and maintaining responsiveness for different screen sizes while preserving the intended design proved challenging. However, I achieved the desired layout and presentation for the content area with persistence and experimentation.

In conclusion, the Class Portfolio Portal project provided valuable experience in creating a custom, visually appealing, responsive web page using CSS and Bootstrap. The challenges and struggles, such as creating a responsive layout, handling image sizing and positioning, and properly sizing the div blocks within the content area, contributed to a deeper understanding of web design principles and best practices. This project serves as a testament to the importance of perseverance, adaptability, and continuous learning in the ever-evolving field of web development.