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## **Project 2 Developing a Web Page with HTML, CSS, and Bootstrap**

As a college computer science student enrolled in an Intro to Internet Computing course, I was assigned the task of developing a Web Page using HTML, CSS, and the Bootstrap CSS framework. The objective was to create an informative and visually appealing website that showcases various aspects of economics and provides a responsive user interface. 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 useful features such as syntax highlighting, autocompletion, and integrated version control, making it easy to write, debug, and organize the code. The website was tested on multiple browsers, including Safari, to ensure cross-browser compatibility and provide a seamless user experience for a wide range of users. The Bootstrap CSS framework was employed to create a responsive and mobile-friendly user interface. Although the learning curve was steep, integrating the framework ultimately simplified the development process and resulted in a clean, modern design.

Mastering the Bootstrap CSS framework was a significant challenge during this project. It took several days and multiple restarts to understand the syntax and concepts. However, as proficiency in Bootstrap increased, it became evident that the framework streamlined various aspects of the project, such as creating a responsive grid layout and styling components consistently. Implementing the image div blocks with equal dimensions proved to be a time-

consuming task. There were instances where the blocks were not perfectly aligned, and it required multiple iterations and adjustments to the code to improve the layout.

Incorporating the Bootstrap CSS framework into the project was initially frustrating, as it required a comprehensive understanding of the framework's components and classes. However, once the integration was complete, it saved time and made the code simpler and more maintainable.

In conclusion, the Web Page project provided valuable experience in utilizing HTML, CSS, and the Bootstrap CSS framework to create an informative, visually appealing, and responsive web application. The challenges faced, such as mastering Bootstrap and implementing equal-sized image div blocks, ultimately contributed to a deeper understanding of the tools and technologies used in modern web development. The project serves as a testament to the importance of perseverance, adaptability, and continuous learning in the ever-evolving field of computer science.