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Report
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How I Used Bootstrap 5

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1 Which Bootstrap 5 components and examples were used, and why?

I used several Bootstrap 5 components to build my portfolio website. The **navbar** was used to create simple and clear navigation between sections. **Buttons** were added for call-to-action purposes, such as contacting me or requesting a quote. I used **cards** to present my skills in a structured and visually consistent way. The **carousel** component was used in the portfolio section to display my work. Utility classes such as spacing, typography, shadows, and rounded corners were used to style the page efficiently without writing too much custom CSS.

2 How was the layout structured using the grid system?

I structured the layout using Bootstrap's grid system with containers and columns. In the About Me section, I used columns to center the content and keep it readable on different screen sizes. In the Skills section, I used responsive column classes to display one card per row on small screens, two on large screens, and three on extra-large screens. In the Portfolio section, I used a row with two columns so that the image appears on the left and the text on the right on larger screens, while stacking the content vertically on smaller devices.

3 Was any custom CSS used, and what was its purpose?

Yes, I used custom CSS to adjust elements that could not be fully customized with Bootstrap classes alone. This included increasing the font size of the navigation links, customizing the carousel indicators and navigation buttons to match my color theme, and adjusting image sizes for better responsiveness. I also used media queries to fix image proportions on tablet-sized screens.

4 Were any challenges faced, and how were they solved?

I found challenges when fixing the code because I sometimes made small mistakes, and the file became very long with many nested `<div>` elements. This made it hard to quickly find errors. I solved this by checking the code structure more carefully, making sure all tags were properly closed, and fixing issues step by step. Using Bootstrap's documentation also helped me understand how each component should be .

5 Were there any other learning points?

Through this assignment, I learned the importance of clean and well-structured HTML when working with Bootstrap. I also learned how powerful Bootstrap utility classes and the grid system are for building responsive layouts. Debugging the code helped me improve my problem-solving skills and better understand how different Bootstrap components work together in a real project.