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FSD - Lab Assignment 2

Theory →

1. Bootstrap grid system.
→ It is a responsive layout system that allows developers to create grid based designs for web pages easily. It is based on 12-column grid layout, offering flexibility to arrange content across different screen sizes from mobile to desktop. By using classes like `.container`, `.row` and `.col-*`, developers can build responsive websites that adapt seamlessly to various devices.
2. Bootstrap `.container` and `.container-fluid` class.
→ `.container` class creates a fixed-width container that adjusts its size based on the screen breakpoint, maintaining consistent margins.
`.container-fluid` class creates a full width container that spans the entire width of viewport, regardless of screen size, making it ideal for layouts that need to use the full width of the screen.

FAQ →

1. What is a responsive website?
→ A responsive website is a site designed to adapt its layout and content dynamically to fit various screen sizes and devices such as desktops, tablets and smartphones. It ensures optimal user experience by using

g techniques like flexible grids, fluid images and media queries to adjust the design seamlessly accross different resolutions.

2. How bootstrap helps to design a responsive website?

→ Bootstrap helps design responsive websites by providing a mobile-first framework with a 12-column grid system, responsive classes and pre-defined CSS styles. Its components such as containers, rows, & column adapts layouts to various screen sizes using breakpoints, while utilities like media queries & flexible elements ensure consistent & responsive design accross devices.