Introduction to Web Development

A Student-Run Short Course (SRC) conducted by the Student Academic Council in collaboration with the Technical Council.
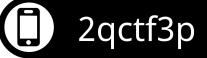
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Logistics

- ❏ 21st August to 28th August, 10 PM to 11 PM. AB 1/201, Learning Theatre.

- ❏ All important updates will be communicated through Google Classroom.

- ❏ All codes will be uploaded to the GitHub repository. Link: https://github.com/Reuben27/Web-Development-SRC

- ❏ P/F course. Attendance compulsory.

2qctf3p

What is Responsive Web Dev?

❏ The term was coined by Ethan Marcotte in an article in <u>A List Apart</u> in 2010.

❏ Web pages can be viewed using many different devices: desktops, tablets, and phones. Responsive web design is basically making your website look good on all devices.

❏ Website adapts to the device dimensions.

CSS: Responsive Web Design

❏ Viewport: Gives control to web designers

❏ Media Queries

  ❏ Max-width

  ❏ Orientation

What is Bootstrap ?

Bootstrap is a widely used open-source front-end framework developed by Twitter. It provides a collection of HTML, CSS, and JavaScript components and tools that help developers build responsive and visually appealing web applications quickly and efficiently. The core features of Bootstrap include:

- ❏ Responsive Grid System
- ❏ Pre-Designed Components
- ❏ Responsive Utilities
- ❏ Customizable Themes

Accessibility in Web Dev

❏   When websites and web tools are properly designed and coded, people with disabilities can use them.

❏   Alt in Images. Aria-labelledby: The purpose of aria-labelledby is the same as that of aria-label. It provides the user with a recognizable, accessible name for an interactive element.

❏   Allow Keyboard Navigation: Users should be able to access key elements of your website just from the keyboard.

Accessibility in Web Dev

❏ Multimedia: Audio for blind. Videos for deaf users.

❏ Accessible names

❏ Accessibility tree.

Thank you!