Session 1: Introduction to Web Development

Unveiling Web Development

What it is and Why it Matters?
- What is web development?
  - The process of creating websites and web applications.
  - Encompasses design, coding, functionality, and more.
- Why is it important?
  - Websites are the backbone of the digital world.
  - Businesses, individuals, and organizations rely on them.
  - Offers a rewarding and in-demand career path.

The Building Blocks: HTML & CSS

The Essentials for Web Page Creation
- HTML (HyperText Markup Language)
  - The foundation of web pages, defines their structure.
  - Uses tags to create headings, paragraphs, images, etc.
- CSS (Cascading Style Sheets)
  - Controls the visual appearance of web pages.
  - Defines fonts, colors, layouts, and more.

Front-end vs. Back-end Development

Understanding Where the Magic Happens
- Front-end Development
  - Focuses on the user-facing side of a website.
  - Deals with HTML, CSS, and JavaScript for interactivity.
- Back-end Development
  - Works behind the scenes, handling data and server logic.
  - Uses programming languages like Python, Java, and PHP

Hands-on Coding: Building a Webpage

Now comes the fun part – coding!

- Get ready to code your first webpage!
  - We'll use VSCode as a text editor.
  - We'll write HTML to structure the page.
  - We'll add CSS to style the elements.

Project Work: Build Your Portfolio

Time to showcase your skills!

  - We'll create a personal portfolio webpage.
  - Use HTML to structure your information (about me, projects, contact).
  - Apply CSS to design a visually appealing layout.

Conclusion

Congratulations!

  - You've built your first webpage.
  - You're now on your journey to becoming a web developer.

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