Training Day 2

Day 2 – 20th June 2025

Topics Covered – CSS Basics

Today's session introduced the foundational concepts of **CSS (Cascading Style Sheets)**, essential for enhancing the design and layout of web pages.

CSS Syntax & Selectors

CSS rules are written using selectors (like h1, .class, #id) that target HTML elements, followed by declarations within curly braces specifying style properties like color or font-size.

Box Model

Every element in HTML is treated as a rectangular box with four areas—**content**, **padding** (space inside the border), **border**, and **margin** (space outside). Understanding this is key to layout control.

Colors in CSS

Colors can be applied using predefined names (red, blue), HEX codes (#ff0000), or RGB values (rgb(255, 0, 0)) to style text, borders, or backgrounds.

Backgrounds

We explored how to change the background using colors, images, or gradients. For example, background-color: lightgray; can quickly change the page's tone.

Borders, Margins & Padding

These properties help create spacing around and within elements. border styles the outline, margin adds space outside, and padding adds space inside.

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CSS Display Property

The display property defines how elements are visually structured—like block for full-width elements, inline for text-level items, and flex/grid for layouts.

CSS Positioning

This determines how elements are placed on the page. static is default, relative allows movement, absolute is fixed to a parent, fixed sticks to the viewport, and sticky changes on scroll.

Tools Used

- **Visual Studio Code (VS Code)**

A code editor used to write and manage HTML/CSS with features like syntax highlighting and extensions.

- **Live Server Extension**

Helps preview web pages in the browser in real time as we write the code.

Task for Tomorrow

We'll begin with **Flexbox**, a modern layout model in CSS that makes alignment and spacing of elements easy and responsive. We'll explore properties such as:

- display: flex
- justify-content
- align-items

to build flexible and structured page layouts.