

Training Day 5 Report

24 June 2025

The fifth day of Web Development training was dedicated to deepening our understanding of CSS by exploring the Box Model, CSS positioning, and basic layout techniques. These are essential for structuring and aligning content on web pages effectively.

Understanding the CSS Box Model

Every HTML element is treated as a rectangular box. The box model explains how elements are rendered in terms of space.

1. Box Model Components

Content: The actual text or image inside the element

Padding: Space between the content and the border

Border: The line surrounding the padding (can be styled)

Margin: Space outside the border between elements

CSS Properties: margin, padding, border, width, height

2. CSS Display and Positioning

Display Property: block, inline, inline-block, none

Position Property: static, relative, absolute, fixed

Float and Clear: Used for aligning elements side-by-side

Z-index: Controls layering of elements

3. Hands-on Practice

Created styled boxes with different padding, margin, and borders

Practiced aligning elements using float and position

Built a basic layout using divs and CSS display properties

4. Relevance to Project

These layout techniques are necessary for designing sections like the homepage, registration form layout, and dashboard of the Alumni Management Portal. Proper positioning and spacing will make the UI clean and user-friendly.

5. Learning Outcomes

Understood how the box model affects element dimensions

Gained clarity on positioning strategies in CS

Practiced real-world layout tasks using div containers and styling

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