

Day 3 – June 22, 2025

Topic: Advanced CSS – Flexbox & Grid

Introduction

Today, I explored layout techniques in CSS: Flexbox and Grid, which make responsive design easier.

Flexbox Basics

- `display: flex;` aligns child elements.
- Properties: `justify-content`, `align-items`, `flex-wrap`.

Grid Basics

- `display: grid;` defines rows and columns.
- Properties: `grid-template-columns`, `grid-gap`, `grid-area`.

Example

```
.container {  
  display: flex;  
  justify-content: center;  
  align-items: center;  
}
```

Challenges Faced

- Making layouts responsive for multiple screen sizes.

Key Learnings

- Flexbox is best for linear layouts; Grid is best for complex layouts.

Conclusion / Reflection

Layouts look more organized now. I need to practice both Flexbox and Grid in real projects.