Training Day 24 Report

Date: 23 July 2025

Project: MERN Notes App

Topic Covered: Notes UI Polish and Styling

On the twenty-fourth day, we improved the visual design of the Notes page. We used a CSS framework for styling, added responsive layouts, and polished the overall UI.

Concepts Learned

- Applying Bootstrap/Tailwind classes for consistent styling.

- Using grid and flexbox for responsive note layouts.

- Styling forms and buttons for better usability.

Styled Note Component

Listing 1: NoteItem.js with Tailwind styling

```
function NoteItem({ note, onEdit, onDelete }) {
  return (
    <div className="bg-white shadow-md rounded-lg p-4 mb-4">
      <h3 className="text-lg font-semibold mb-2">{note.title}</h3>
      <p className="text-gray-700 mb-3">{note.content}</p>
      <div className="flex gap-2">
        <button
          onClick={() => onEdit(note)}
          className="px-3 py-1 bg-blue-500 text-white rounded"
        >
          Edit
        </button>
        <button
          onClick={() => onDelete(note._id)}
          className="px-3 py-1 bg-red-500 text-white rounded"
        >
          Delete
        </button>
      </div>
    </div>
  );
}
```

Responsive Notes Grid

Listing 2: Notes grid layout

```
function NotesList({ notes }) {
  return (
```

```
3      <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 gap
          -4">
4        {notes.map(note => (
5          <NoteItem key={note._id} note={note} />
6        ))}
7      </div>
8    );
9  }
```

Styled Create Note Form

Listing 3: CreateNote.js with styled form

```
1  <form
2    onSubmit={handleSubmit}
3    className="bg-gray-100 p-4 rounded-lg shadow mb-6"
4  >
5    <input
6      className="border p-2 w-full mb-3 rounded"
7      placeholder="Title"
8      value={title}
9      onChange={(e) => setTitle(e.target.value)}
10   />
11   <textarea
12     className="border p-2 w-full mb-3 rounded"
13     placeholder="Content"
14     value={content}
15     onChange={(e) => setContent(e.target.value)}
16   />
17   <button
18     type="submit"
19     className="w-full bg-green-500 text-white py-2 rounded"
20   >
21     Add Note
22   </button>
23 </form>
```

Testing the UI

- Verified that notes display in a clean grid on desktop, single column on mobile.

- Ensured buttons and forms are styled consistently.

- Tested responsiveness by resizing the browser window.

Outcome of the Day

- Polished the Notes UI with Tailwind CSS classes.

- Added responsive grid layouts for better presentation.

- Improved overall user experience with clean and modern design.