

# Training Day 19 Report

Date: 17 July 2025

Project: MERN Notes App

## Topic Covered: UI/UX Enhancements for Notes

On the nineteenth day, we improved the frontend user interface by adding styled forms, edit functionality, and delete confirmation dialogs. This provided a smoother and more professional user experience.

## Concepts Learned

- Controlled form inputs for creating and editing notes.
- Modal or inline edit forms for updating notes.
- Confirmation dialogs for deleting notes.
- Basic styling using CSS (or Bootstrap/Tailwind).

## Create Note Form

Listing 1: Form to create a new note

```
1 function CreateNote({ onCreate }) {
2   const [title, setTitle] = useState('');
3   const [content, setContent] = useState('');
4
5   const handleSubmit = (e) => {
6     e.preventDefault();
7     onCreate({ title, content });
8     setTitle('');
9     setContent('');
10  };
11
12  return (
13    <form onSubmit={handleSubmit}>
14      <input
15        value={title}
16        onChange={(e) => setTitle(e.target.value)}
17        placeholder="Note title"
18        required
19      />
20      <textarea
21        value={content}
22        onChange={(e) => setContent(e.target.value)}
23        placeholder="Note content"
24        required
25      />
26      <button type="submit">Add Note</button>
```

```

27     </form>
28   );
29 }

```

## Editing Notes Inline

Listing 2: Inline edit functionality

```

1 function NoteItem({ note, onUpdate, onDelete }) {
2   const [isEditing, setIsEditing] = useState(false);
3   const [title, setTitle] = useState(note.title);
4   const [content, setContent] = useState(note.content);
5
6   const handleSave = () => {
7     onUpdate(note._id, { title, content });
8     setIsEditing(false);
9   };
10
11   return (
12     <div>
13       {isEditing ? (
14         <>
15           <input value={title} onChange={(e) => setTitle(e.target.value)} />
16           <textarea value={content} onChange={(e) => setContent(e.target.value)} />
17           <button onClick={handleSave}>Save</button>
18         </>
19       ) : (
20         <>
21           <h3>{note.title}</h3>
22           <p>{note.content}</p>
23           <button onClick={() => setIsEditing(true)}>Edit</button>
24           <button onClick={() => onDelete(note._id)}>Delete</button>
25         </>
26       )}
27     </div>
28   );
29 }

```

## Delete Confirmation

Listing 3: Confirmation before delete

```

1 const handleDelete = (id) => {
2   if (window.confirm('Are you sure you want to delete this note?')) {
3     onDelete(id);
4   }
5 };

```

## **Styling Improvements**

- Added margins, padding, and borders for better readability.
- Used button colors to distinguish actions (Add, Edit, Delete).
- Improved layout with flexbox/grid for clean note arrangement.

## **Testing the UI/UX**

- Created new notes using the styled form → worked as expected.
- Edited existing notes inline and verified changes persisted.
- Attempted to delete a note → confirmation dialog appeared, deletion worked only if confirmed.

## **Outcome of the Day**

- Implemented user-friendly forms for creating and editing notes.
- Added confirmation for safer deletions.
- Improved UI/UX with basic styling, making the app more professional.