

Lab Task – Notes App

Goal:

Create a simple Notes web application using **HTML, CSS, JavaScript, Node.js, Express.js, EJS, and better-sqlite3**. Create necessary routes and ejs pages for the given requirements

Requirements:

1. Home Page (/)

- Display a list of all notes from the database.
- Only show the **note names** in the list.
- Each note name should be clickable - clicking it should open a details page for that note.

2. Note Details Page (/note/:id)

- Display the note's **name** and **description**.
- Include a **Delete** button to remove the note from the database.
- After deletion, redirect back to the home page.

3. Add New Note Page (/add)

- A form with:
 - Input for note name.
 - Textarea for note description.
- When submitted, save the note to the database.
- After adding, redirect to the home page.

4. Database

- Use **better-sqlite3** to create a `notes` table with:
 - `id` (Primary Key, Auto Increment)
 - `name` (Text)
 - `description` (Text)

Bonus Challenge (Optional)

Add a **search bar** on the home page to search notes by their **name**.

Hint: In SQL, you can use the `LIKE` operator with wildcards. For example:

```
SELECT * FROM notes WHERE name LIKE '%keyword%';
```