Notes app

📝 Project: Notes App (Jetpack Compose Edition)

🧩 Core Features

- **Note Creation & Editing**: Users can write, edit, and delete notes.
- **Main Screen**: Displays a list of saved notes.
- **Detail Screen**: Opens to create a new note or modify an existing one.

🧱 Tech Stack

- **Storage Options**:
  - **SharedPreferences**: For basic note storage—best for a single or minimal note-saving scenario.
  - **Room Database** (Recommended):
    - Enables full **CRUD operations** with structured note data.
    - Scales easily as the app grows in complexity.
- **Jetpack Compose UI**:
  - Built with **Composable functions** for modern, reactive UI.
  - Uses **LazyColumn** to efficiently render a vertical list of notes with support for scrolling and item reuse.
- **Navigation Compose**:
  - Manages transitions between the **Main** and **Detail** screens.
  - Allows passing arguments (like note ID) for editing.

🎯 Bonus: Use of ViewModel and State Handling

- **ViewModel**: Manages UI-related data and business logic.
- **State & LiveData / StateFlow**:
  - Keeps the UI updated in real-time with changes from the Room database.
  - Ensures a smooth user experience during configuration changes.

✅ Why It's a Great Project

- A beginner-friendly introduction to:
  - **Room database integration**
  - **LazyColumn** and other Compose UI elements
  - Basic **MVVM architecture**
- Easily expandable with features like color labels, search functionality, or cloud backup.