

# Simple Journal app

## Project: Simple Journal App(Jetpack Compose Edition)

### Core Features

- **Journal Entry Creation:** Users can write daily thoughts or reflections.
  - **Calendar/List View:** Browse entries by date using a **calendar** or a **scrollable list**.
  - **Entry Detail Screen:** Click on a date or list item to view or edit the journal entry.
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### Tech Stack & Functionality

- **Room Database (Storage):**
    - Stores journal entries locally with fields like `date` , `title` , and `content` .
    - Full **CRUD** support for creating, updating, and deleting entries.
    - Works smoothly with Jetpack Compose and `ViewModel` .
  - **Jetpack Compose UI:**
    - Clean and responsive UI built using **Composable functions**.
    - **TextFields** for journal input.
    - **LazyColumn** for list view and possibly a **custom calendar composable** or third-party Compose library.
  - **Navigation Compose:**
    - Handles transitions between:
      - **Calendar/List screen**
      - **View/Edit Entry screen**
  - **Date Handling:**
    - Manages and formats dates using `java.time` (e.g., `LocalDate` , `DateTimeFormatter` ).
    - Allows users to navigate or select dates for creating/viewing entries.
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### Why It's a Great Project

- Combines **form input**, **data persistence**, and **date selection**.

- Teaches key Compose UI elements: text input, lists, and navigation.
- A meaningful and personal app idea that's easy to extend with features like:
  - **Mood tracking**
  - **Search/filter by keyword**
  - **Export to PDF or plain text**