

## ✓ Phase 1: Data Layer Completion

### 1. Set up Room Database

- Create the `@Dao` interfaces for:
  - `EntryDao`
  - `CategoryDao`
  - `TypeDao` (previously subcategory)
  - `SuggestionDao`
- Create a singleton `AppDatabase` class.

### 2. Implement Repository Classes

- Create a `Repository` for managing access to each DAO.
  - Optionally wrap queries in coroutines for background operation.
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## ✓ Phase 2: Sample Data and Testing

### 3. Seed the Database

- Populate categories (`Media`, `Games`, `Outside`) and types (`Movie`, `GI`, `Food`) on first launch.
- Add a few suggestions per type for testing.

### 4. Test CRUD Operations

- Write simple functions to insert, retrieve, and delete entries, types, etc.
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## ✓ Phase 3: UI Integration

## 5. Entry Display

- Use `RecyclerView` in MainActivity to display grouped entries by date.
- Add an adapter that handles nested lists (date as header, entries below).

## 6. Entry Creation UI

- FAB to open an `AddEntryActivity` or dialog.
- Spinner or dropdown for selecting Category → Type (filtered).
- Autocomplete text field for description suggestions.
- Optional notes field.

## 7. Entry Detail Popup

- If an entry has notes, show an arrow icon. On click, show a dialog with notes.

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# ✓ Phase 4: Quality of Life Features

## 8. Search and Filters

- Add top bar search to filter by description/type/category.
- Add `ChipGroup` to dynamically filter results.

## 9. Import JSON

- Read JSON and insert entries into the database.
- Ensure matching of types/categories during import.

## 10. Optional: Export to JSON