Kotlin Projects

1. To-Do List App

- **Storage**: Use **Room** to store tasks locally.
- **Navigation**: Between Task List and Add/Edit Task screen.
- **Bonus**: Use a **ViewModel** and **LiveData**.
- ✅ *Good for CRUD operations and local storage.*

Assigned to: 74, 51, 97, 95, 55

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2. Notes App

- **Storage**: Use **SharedPreferences** for simple note saving or **Room** for full CRUD.
- **Navigation**: Main screen to view notes and a detail screen to edit/view.
- ✅ *Great intro to Room + UI components like RecyclerView.*

Assigned to: 68, 70, 94, 80, 72

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3. Weather App (API-based)

- **Network Call**: Fetch current weather using OpenWeatherMap API.
- **Storage**: Cache last fetched weather using **SharedPreferences**.
- **Navigation**: Home screen + Settings screen to change city.
- ✅ *Simple Retrofit use + basic caching.*

Assigned to: 56, 88, 99, 62, 58

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4. Simple Journal App

- **Storage**: Save entries in **Room** DB.
- **Navigation**: Calendar view or list of entries → click → view/edit entry.
- ✅ *Teaches form input + database + date handling.*

Assigned to: 77, 57, 79, 75, 65

🍽️ 5. Recipe Finder App

- **Network Call**: Use a free API like Spoonacular to fetch recipes.
- **Storage**: Save favorite recipes locally (Room).
- **Navigation**: Search screen → List → Detail.
- ✅ *Great for practicing JSON parsing + Room integration.*

Assigned to: 60, 71, 73, 87, 91

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6. Expense Tracker App

- **Storage**: Use Room DB to track expenses.
- **Navigation**: Dashboard → Add expense → View history.
- **Bonus**: Add basic chart/graph using a simple library.
- ✅ *Excellent CRUD + filtering practice.*

Assigned to: 86, 84, 85, 82, 76, 92

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7. Book Search App

- **Network Call**: Use Google Books API.
- **Navigation**: Search screen → list of books → book details.
- **Storage**: Save favorite books (Room).
- ✅ *Practice Retrofit + data binding.*

Assigned to: 61, 53, 89, 78, 67

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8. Pet Adoption App

- **Network Call**: Use Petfinder API (or mock data).
- **Navigation**: List of pets → Details → Contact form.

- **Storage**: Save "liked" pets locally.
- ✅ *Simple master-detail pattern with storage.*

Assigned to: 98, 83, 59, 93, 81

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9. Music Playlist App

- **Storage**: Save user-created playlists using Room.
- **Navigation**: Playlist screen → Add Song screen.
- **Network**: Fetch songs (can use static API or Spotify preview API).
- ✅ *Cool for combining media + storage.*

Assigned to: 63, 52, 66, 64, 54, 300