

# Task Manager android App

## Task Description :

The goal of this assignment is to develop a basic task manager app for Android devices. The app should allow users to create, view, update, and delete tasks. It should provide a user-friendly interface for managing tasks efficiently.

## Requirements:

### 1. Functionality:

- Include screens for displaying a list of tasks, adding/editing tasks, and viewing task details.
- Implement CRUD (Create, Read, Update, Delete) operations for tasks.
- Users should be able to add new tasks with a title, description, and due date.
- Users should be able to view a list of all tasks, sorted by due date.
- Users should be able to edit existing tasks to update their details.
- Users should be able to delete tasks they no longer need.

### 2. Persistence:

- Store task data locally using SQLite database or Room Persistence Library.
- Ensure that task data persists across app sessions.

### 3. Navigation:

- Implement navigation between different screens using intents and activities.
- Include appropriate navigation patterns such as a navigation drawer or bottom navigation bar.

### 4. Validation and Error Handling:

- Validate user input to ensure that required fields are filled and data is in the correct format.
- Handle errors gracefully and provide informative error messages to users.