

# Pass Task 4.1 – Task Manager 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.**

## Submission Details:

1. You must ensure that all your project files used for this task sit in a directory called "Task 4.1".

2. All files are required to be uploaded and a link to the "Task 4.1" directory submitted to OnTrack.
3. Please make sure that unit chair and tutor have access to the folder.