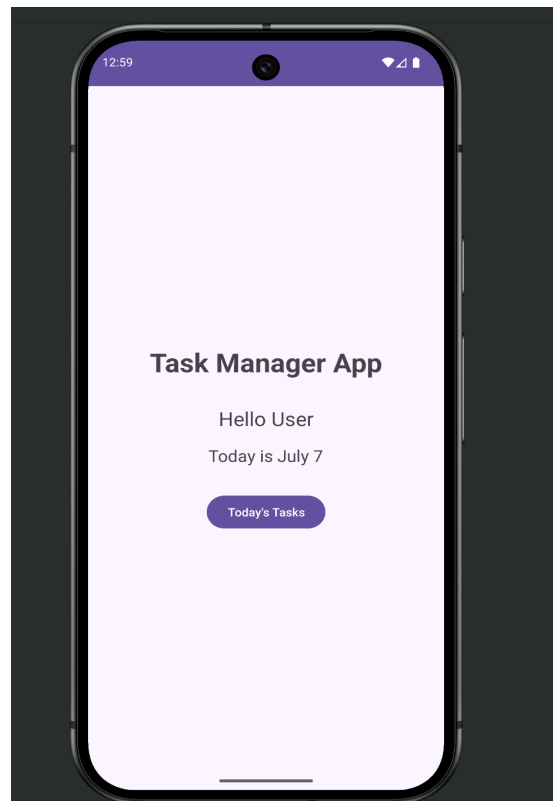# TaskManagerApp

## README

Welcome to the TaskManagerApp README. The purpose of this app is to provide users with a free, simple, and clean way to manage their tasks. This app focuses on simplicity and clarity because many other task apps are cluttered with unnecessary icons and features, often making it take longer to set up a task than to actually complete it.

TaskManagerApp is designed to make creating and managing tasks as fast and straightforward as possible. It provides a dedicated space where users can see exactly what needs to be done today, serving as a reminder so you spend less time managing your to-do list and more time getting things done.
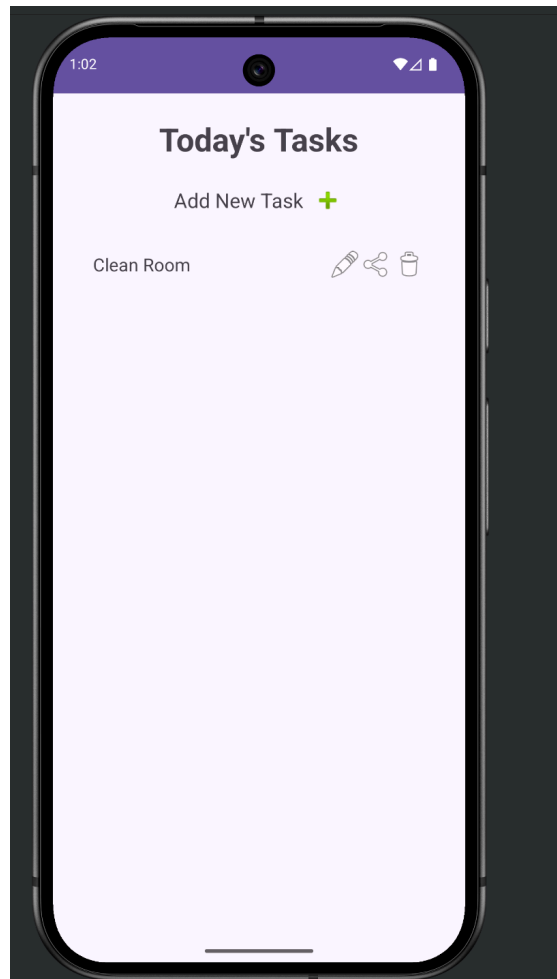
When you first launch the app, you will see a welcome message along with the current day of the week and date. When you are ready, you can tap Today's Tasks to view your task list. This view intentionally shows only tasks scheduled for today,not for tomorrow or later in the week, helping keep things simple and encouraging users to plan and delegate tasks throughout the week for less stress.
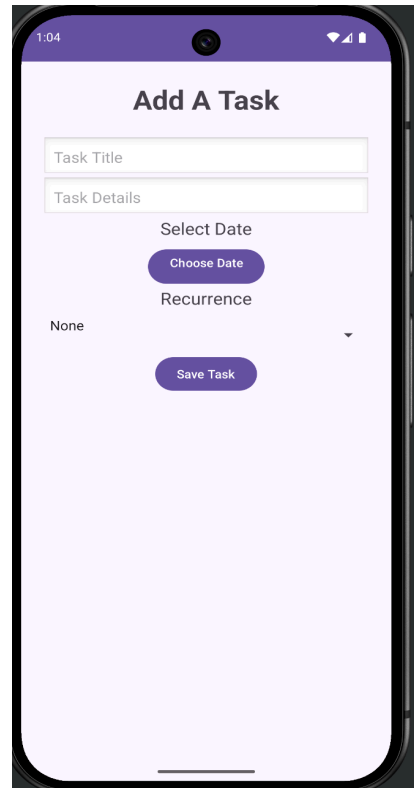
**Image 1: Home Screen**

If you are using the app for the first time and have no tasks yet, you can tap the "+" button next to "Add New Task" to create one. This will take you to the "Add A Task screen".

**Image 2: Task List View Screen**



On the Add A Task screen, you can enter a title that will appear in your list. There is also a section for details where you can describe what needs to be done. You can choose the date when you want the task to appear in your list. The selected date determines when it will show in the Today's Tasks view. You can also set how often you want the task to repeat, choosing from daily, weekly, bi-weekly, or monthly. Once you are finished, tap Save to add the task.

**Image 3: "Add A Task" Screen**



After saving, your task will appear in Today's Tasks. On the left side of the screen, you will see the task title. On the right side, there are three icons. The pencil icon allows you to edit the task and change its title, details, date, or recurrence. The share icon lets you send the task to someone else, for example via email or text. The trash icon allows you to delete the task, which is ideal once you have completed it so it no longer appears in your list for today.

That is the entire experience. A simple, convenient, and effective to-do list tracker called TaskManagerApp.

**Technology Stack**

- Programming Language: Kotlin

- Android SDK: SDK 24

- Architecture Pattern: MVVM

- Navigation: Android Navigation Component

- Data Storage: Room Database

- UI Components: Fragments, RecyclerView, ConstraintLayout, Material Design

- View Binding: Enabled for UI

- Intents: Intents for sharing tasks

- Dialogs: DatePickerDialog for selecting dates

- Build System: Gradle with Kotlin DSL

- IDE: Android Studio with Pixel 9 Emulator

**Link to Demonstration**

https://youtu.be/IUIlb74IuBA

**Contact Information**

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