

Project Name: Task Manager App

Purpose:

The Task Manager App is designed to help users manage their tasks efficiently. It allows users to add tasks with specific details and view a list of their added tasks. The app uses a combination of fragments and dialogs to provide a user-friendly interface for task management.

Key Features:

1. Add Task:

- Users can input a task description and select a date and time for the task.
- A dialog interface is used to input task details and set the date and time using date and time pickers.
- The task is then saved and added to a list.

2. View Tasks:

- Users can view a list of all added tasks.
- Each task is displayed with its description and the scheduled date and time.
- A recycler view is used to efficiently manage and display the list of tasks.

3. Fragment Management:

- The app utilizes fragments to separate different functionalities: one for adding tasks and one for viewing tasks.
- Task data is managed within these fragments to ensure a seamless user experience.

4. Persistent Data Handling:

- The app handles task data within the fragments and ensures tasks are preserved during configuration changes (e.g., screen rotations).

User Interface:

- **MainActivity:** Acts as the central hub, providing navigation between adding and viewing tasks.
- **AddTaskDialogFragment:** A dialog that appears for users to input task details and select date and time.
- **TaskListFragment:** Displays a list of tasks using a recycler view.

Usage Scenario:

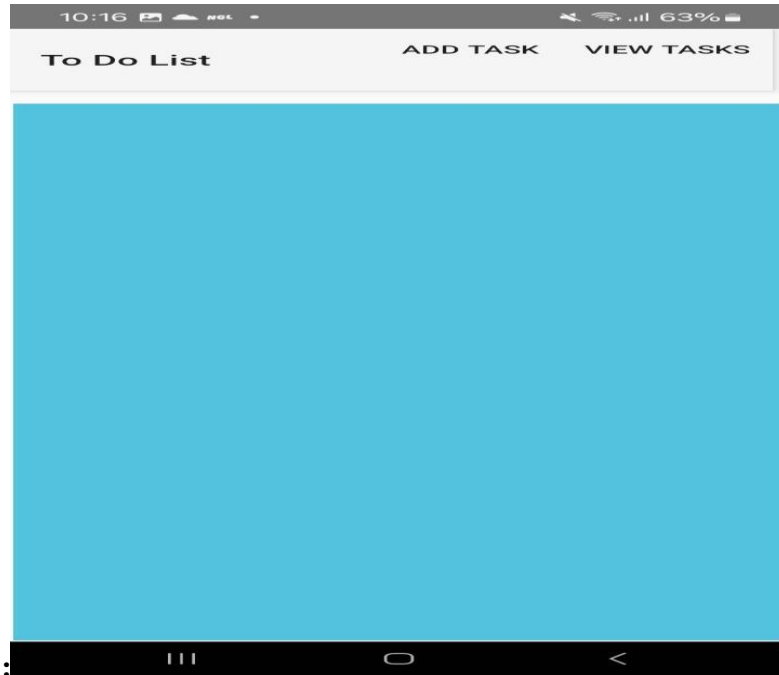
- When the user opens the app, they are initially shown a list of tasks.
- They can add a new task via a dialog that collects task details and date/time.
- The app updates the task list and displays it using the recycler view.

Project Goal:

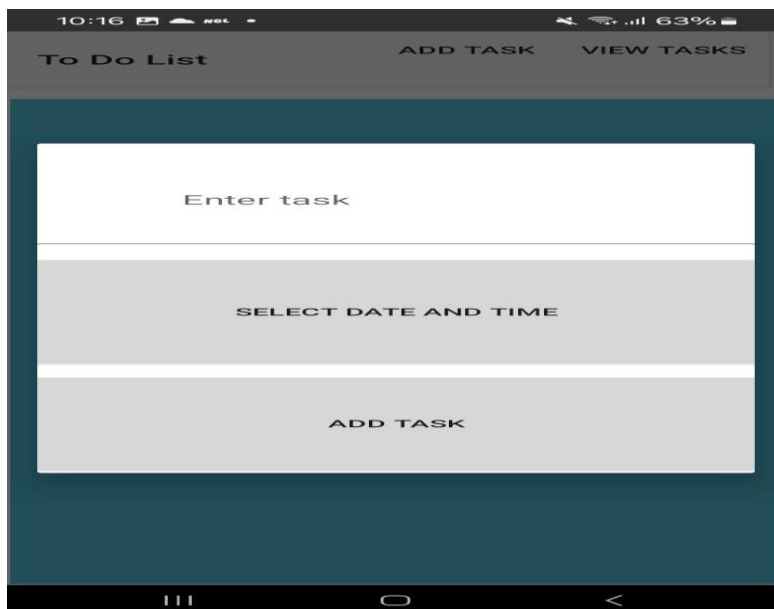
- To provide a simple and effective way for users to manage their tasks, with a clear and responsive user interface that allows for easy addition and viewing of tasks.

Step By Step GUI Description:

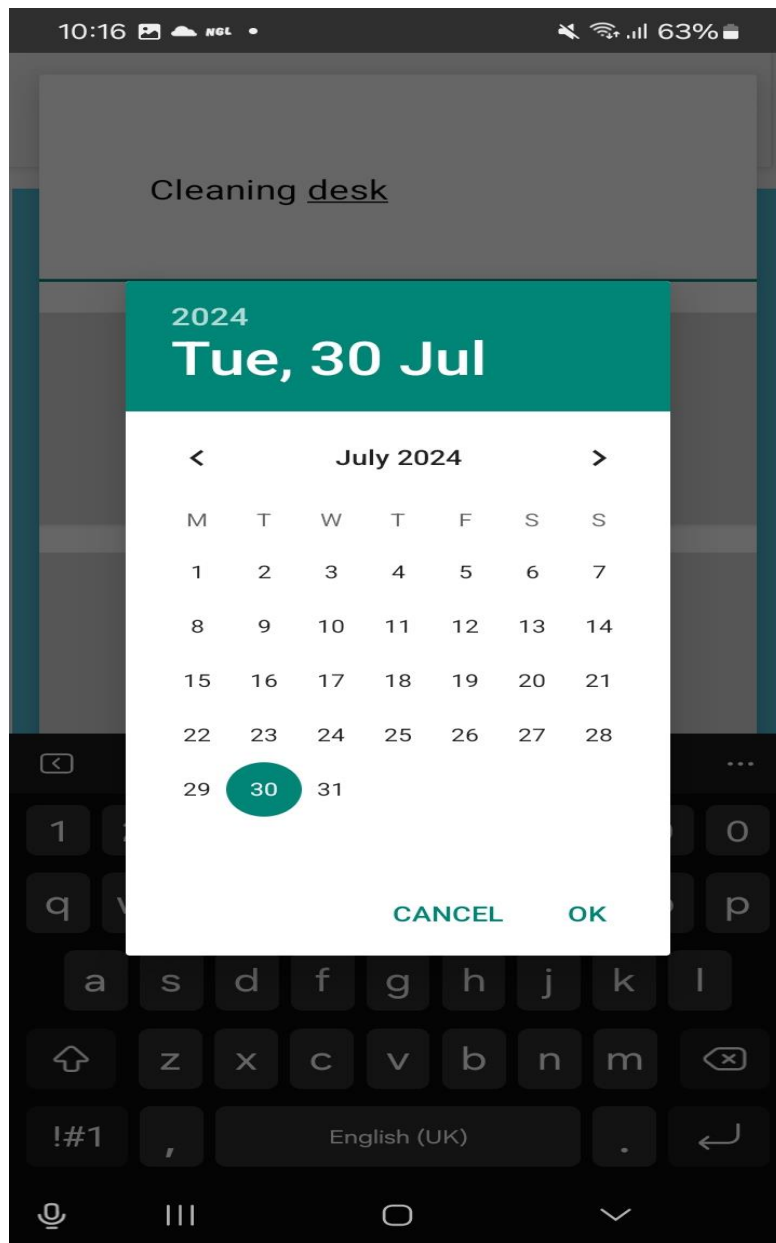
Initially there is two menu **Add TASK & VIEW TASKs**

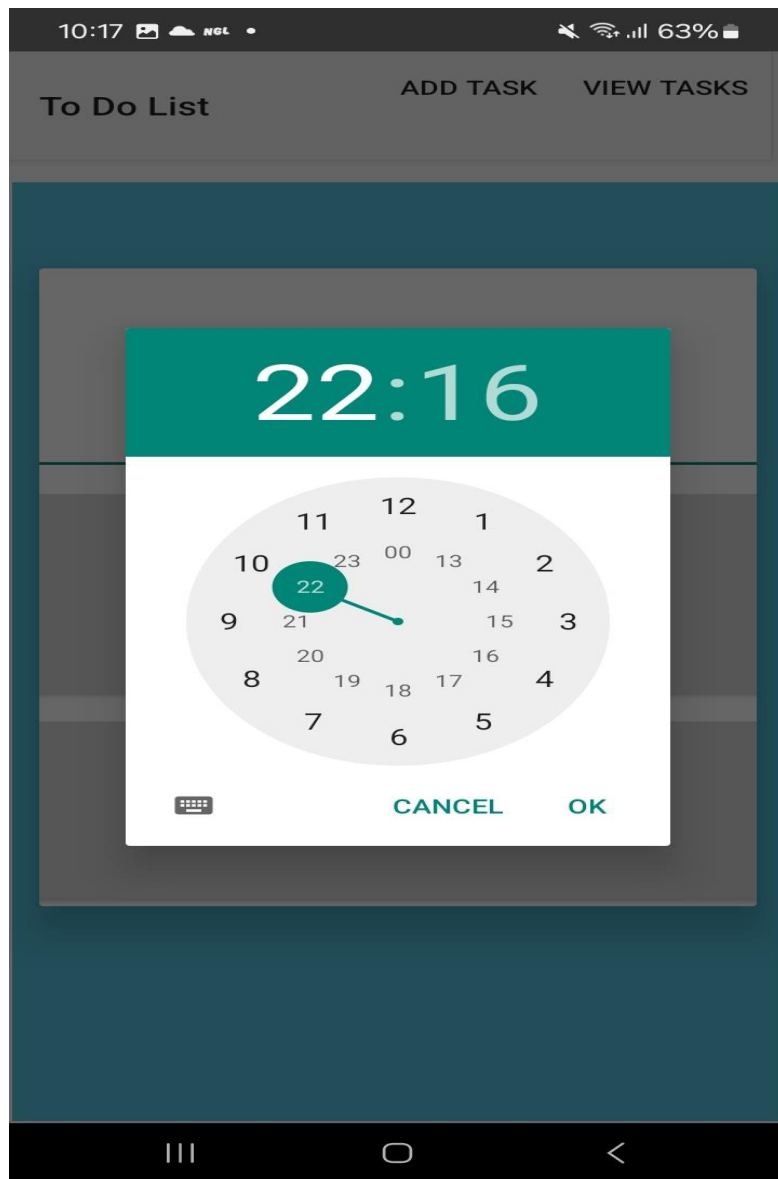


By clicking “ADD TASK” menu a window will open to add task description and Date & time to be complete the task.



By clicking “Select Date and Time” button calendar will be open to input date & time.





By pressing "Add Task" button the task will be saved and shown in another fragment view

10:17

63%

To Do List

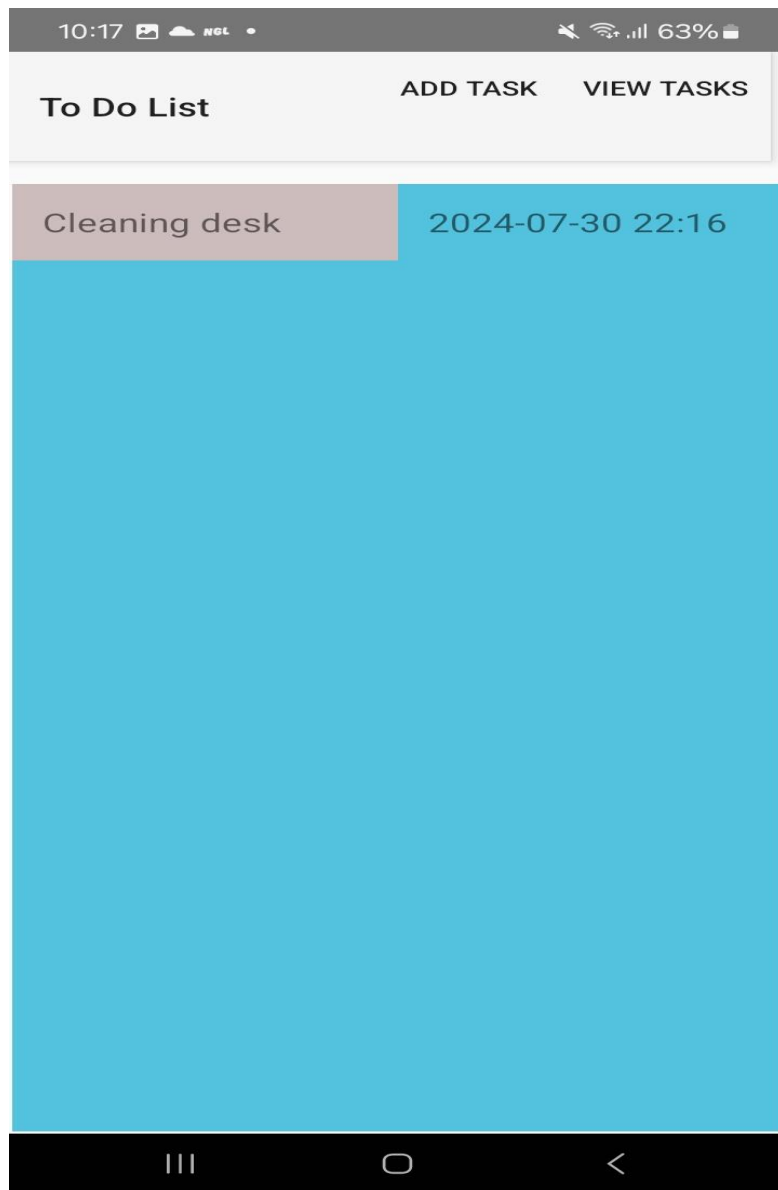
ADD TASK

VIEW TASKS

Cleaning desk

2024-07-30 22:16

ADD TASK



“View Task” menu will show the list of tasks which will be used to update, delete or complete mark which is beyond the scope of the project currently as for time constraint.

10:18

63%

To Do List

ADD TASK

VIEW TASKS

Cleaning desk

2024-07-30 22:16

Doing assignment

Set time

Type in time

22 : 18

hour minute



CANCEL

OK

ADD TASK