

## To-Do-List App

**To-Do-List** is an android application designed to record or list out all the tasks that a user wants to do. This helps the user to organise, prioritize and focus his/her tasks in a better way, without a need to memorise them.

### Features :

1. Adding a new task and editing or deleting an existing task.
2. Set priority, due time and due date for the task (Optional).
3. Color badges to indicate the priority of the task.
4. Alarm and notification for the tasks.
5. By default, the tasks are sorted according to their completion status, due date and due time.
6. Its UI easily differentiates the completed tasks from the pending tasks.

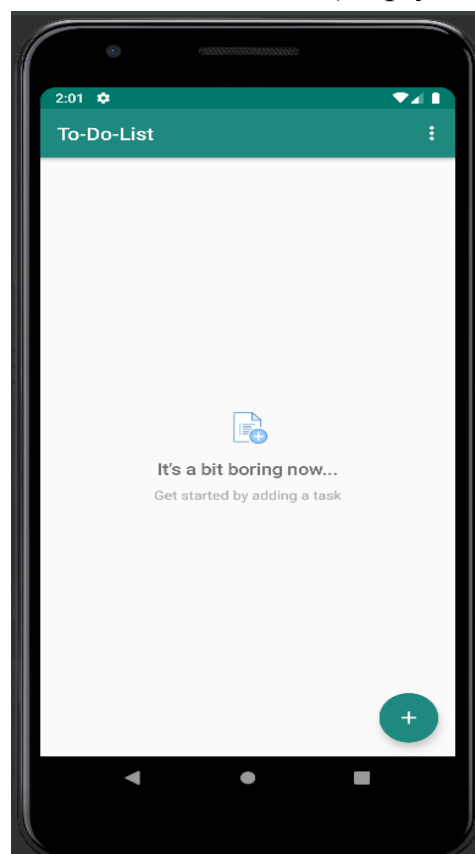
### Tech Stack :

Tool used : Android Studio

Languages : **Java**(Back-end), XML(Front-end)

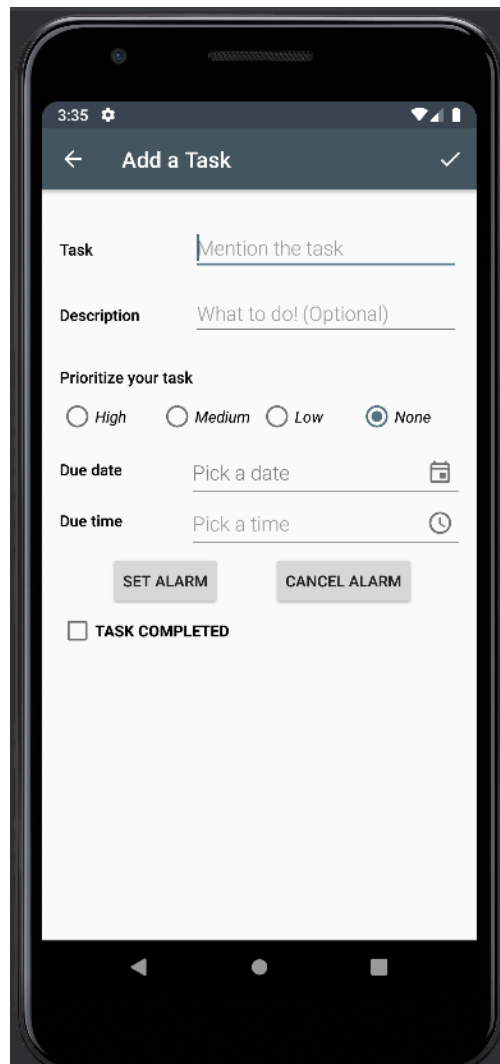
Database : **SQLite**

When no task is added (emptyView)



## Adding a new task

- On clicking the tick mark at the top right corner, the data gets saved into the SQLite database.
- By default, priority is set to “None”.
- The first field,i.e., ‘Task’ is the only mandatory thing.

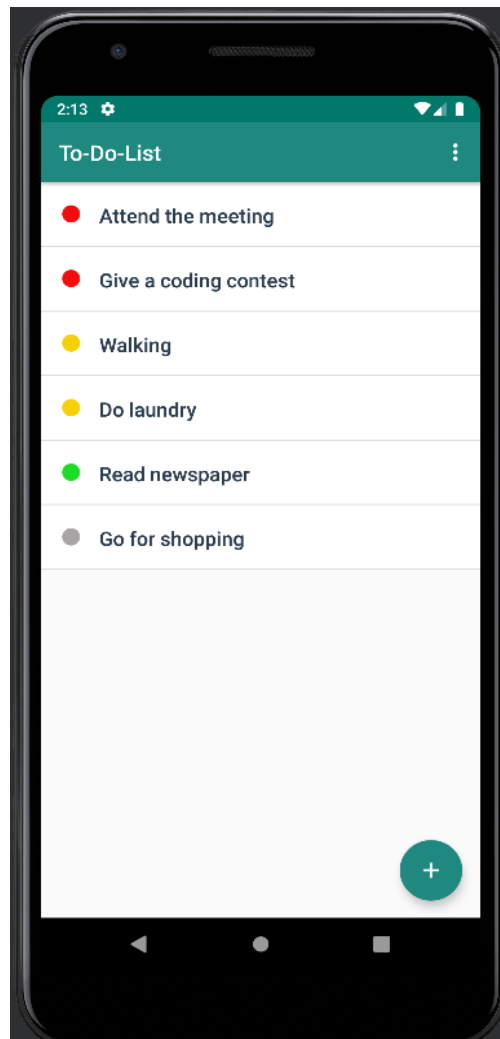


The screenshot shows a mobile application interface for adding a new task. The screen is titled "Add a Task" with a back arrow on the left and a checkmark on the right. The form includes the following fields and options:

- Task:** A text input field with the placeholder text "Mention the task".
- Description:** A text input field with the placeholder text "What to do! (Optional)".
- Prioritize your task:** Four radio button options: *High*, *Medium*, *Low*, and *None*. The *None* option is selected.
- Due date:** A text input field with the placeholder text "Pick a date" and a calendar icon on the right.
- Due time:** A text input field with the placeholder text "Pick a time" and a clock icon on the right.
- Buttons:** Two buttons labeled "SET ALARM" and "CANCEL ALARM" are positioned below the due date and time fields.
- Task Completed:** A checkbox labeled "TASK COMPLETED" is located at the bottom of the form.

- By default, tasks are listed in a sorted manner
  - firstly they are sorted based on their completion status.
  - secondly, they are sorted according to their due date and due time.
- Each task is assigned a color badge based on the priority set for that particular task

High priority → Red  
Medium priority → Yellow  
Low priority → Green  
No priority set → Gray



## Editing an existing task

3:37

← Edit the Task ✓ ⋮

Task Give a coding contest

Description Weekly contest on LeetCode

Prioritize your task

☒ High ☐ Medium ☐ Low ☐ None

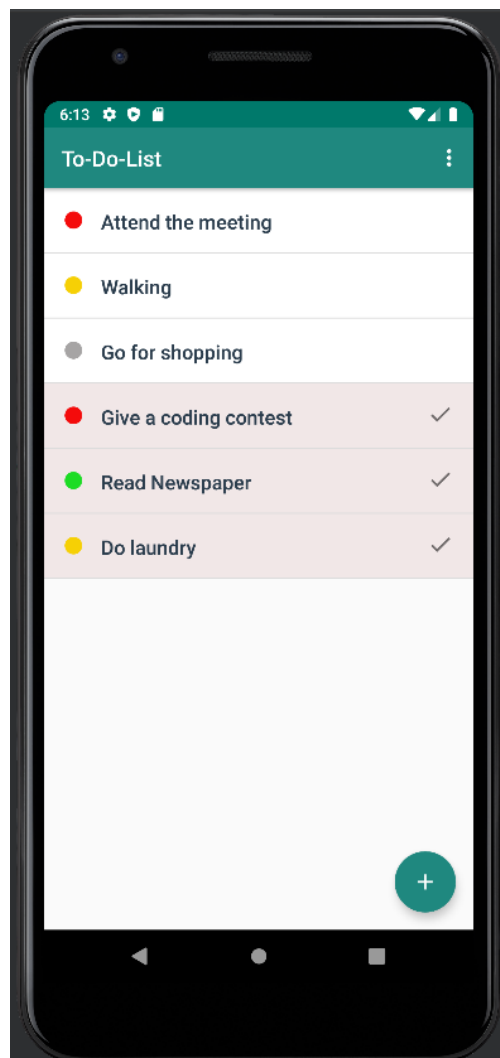
Due date 06/06/2021 📅

Due time 08:00 ⌚

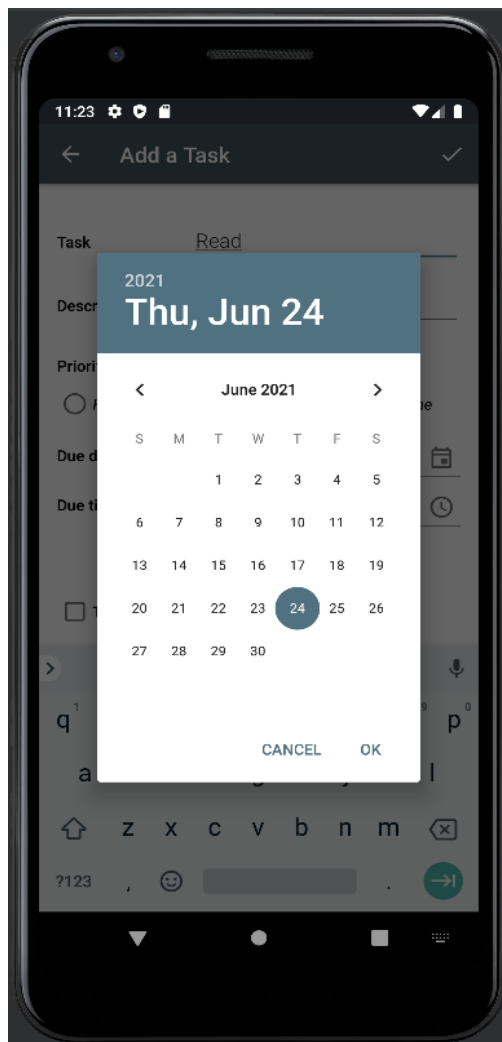
SET ALARM CANCEL ALARM

☒ TASK COMPLETED

- Completed tasks are listed at the bottom of the pending tasks.
- Unlike the pending tasks, completed tasks have a gray background color and a tick mark at their right end.



## Setting a due date



## Setting a due time



## NOTIFICATIONS

(Notifications are sent when the deadline of any of the tasks is reached)

