"To-Do List" Assignment

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Section: 2_Cybersecurity

1. Project Overview

This project is a functional **To-Do List application** built using **React Native** and **Expo**. The app allows users to manage their daily tasks through an intuitive interface, featuring task addition, status tracking (active/completed), and deletion.
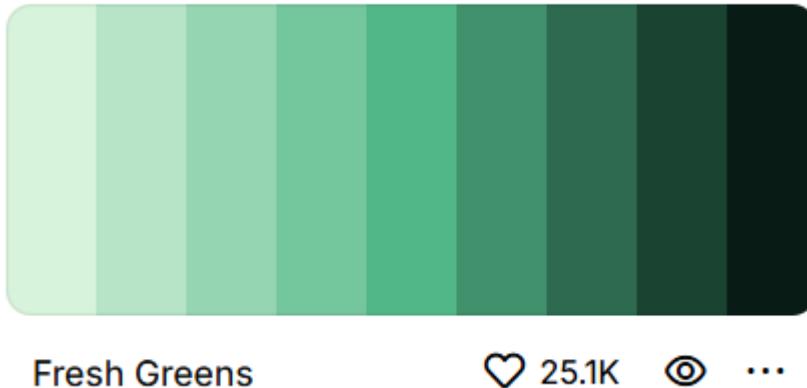
2. Technical Implementation (Logic)

As per the assignment requirements, the following logic was implemented:

- **Components:** The app utilizes `Text` for titles, `TextInput` for goal entry, and `TouchableOpacity` as a button for adding items.
- **FlatList & Scrolling:** Two separate `FlatList` components are used to handle active and completed tasks, ensuring smooth independent scrolling for each section.
- **State Management:**
  - **State 1 (`enteredGoalText`):** Handles the real-time text change in the input field.
  - **State 2 (`activeGoals` / `completedGoals`):** Manages the collection of tasks and their updates.
- **Event Handling:** A primary function `addGoalHandler` is used to process the button click and update the list state.

3. Design & Styling

- **Professional Palette:** The UI follows a vibrant green/emerald professional color scheme (`#2d6a4f`, `#1a3c34`, `#52b788`) for a modern look.
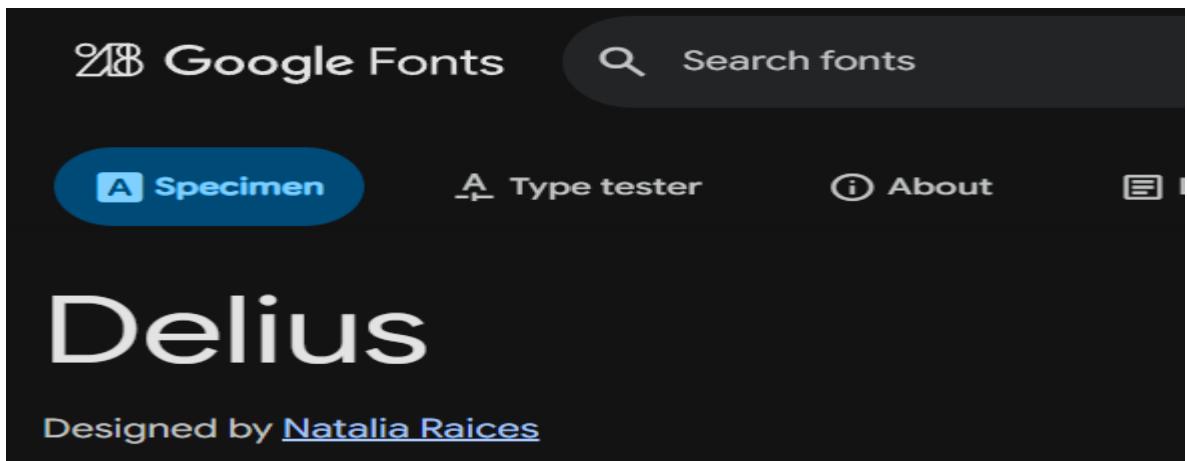
Fresh Greens   ♡ 25.1K   👁 ···

- **Custom Typography:** The **"Delius-Regular"** custom font was integrated using `expo-font` to enhance the user experience.
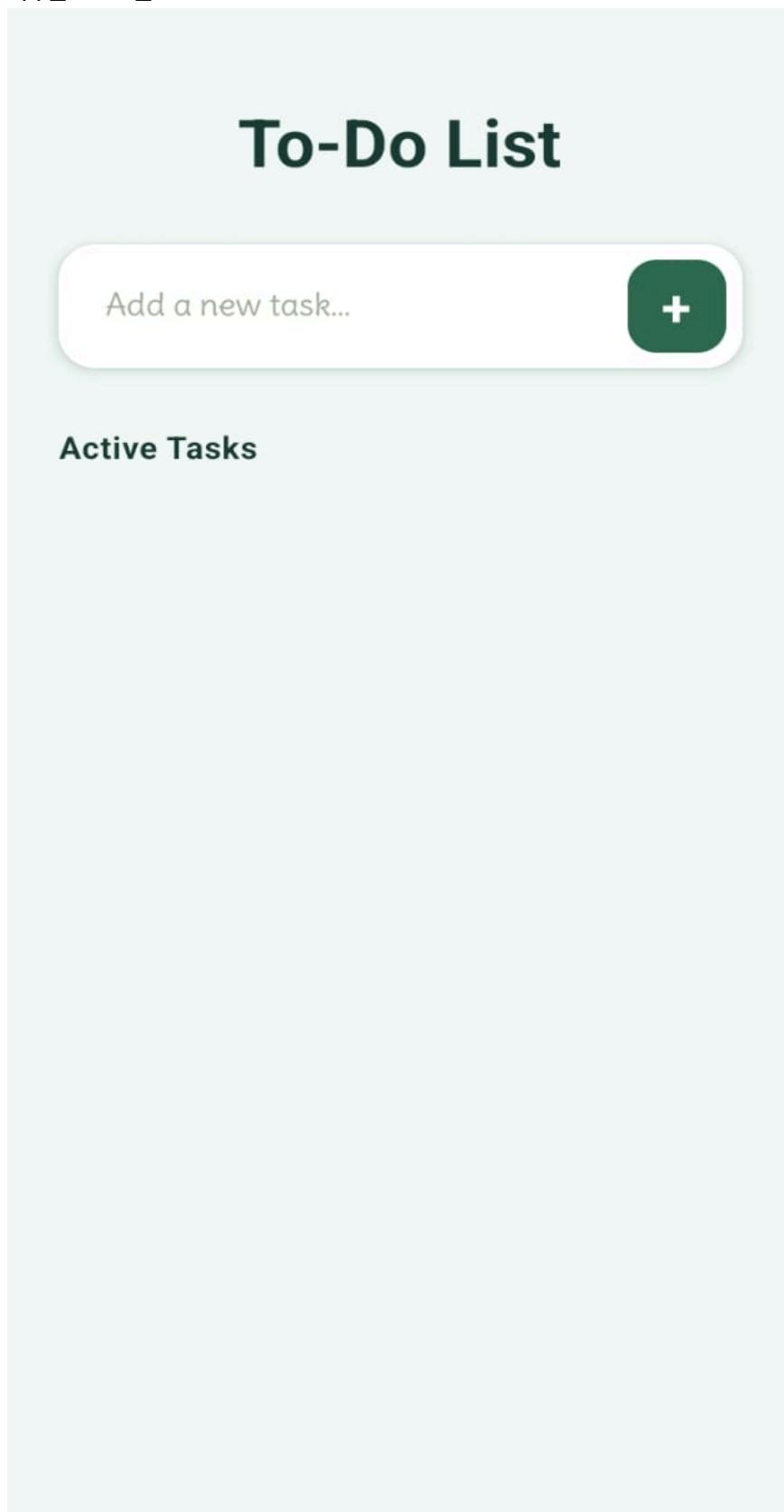
- **Modern Layout:** Features include rounded corners (18px), subtle elevation/shadows, and a minimalist centered title.

4. Features
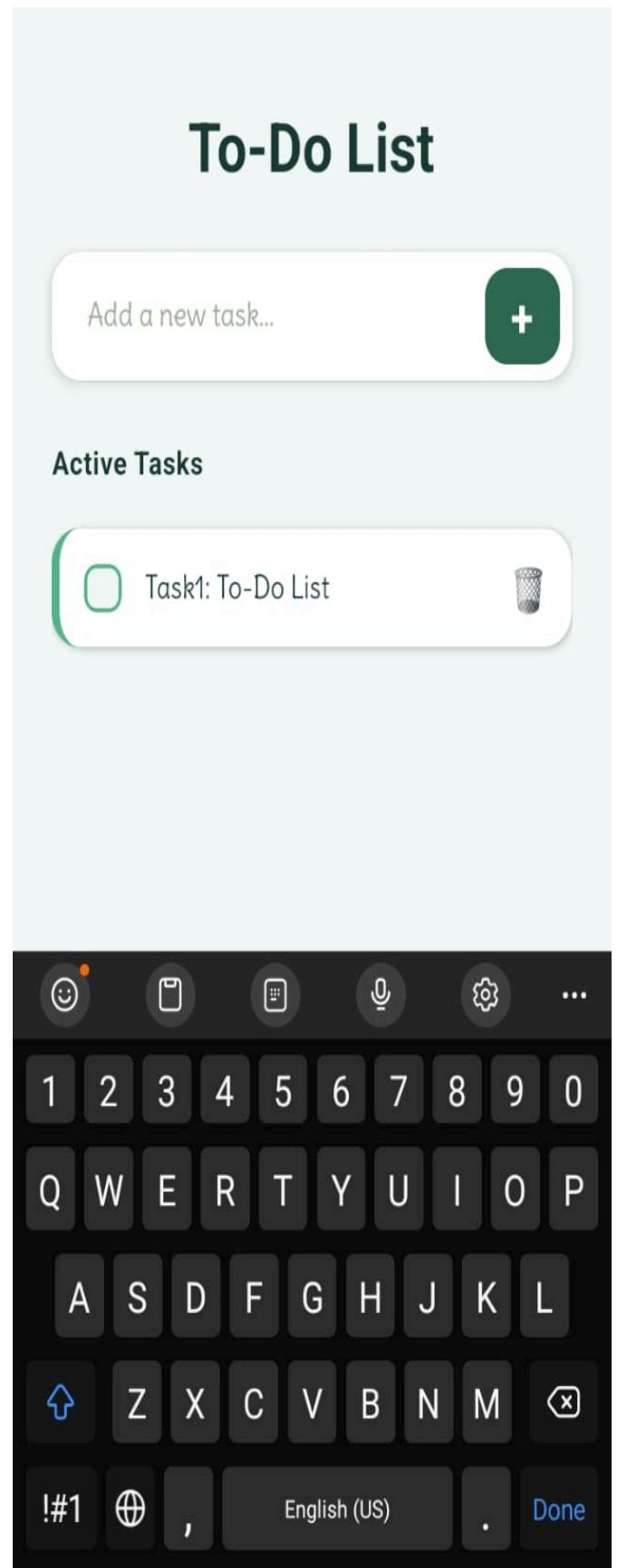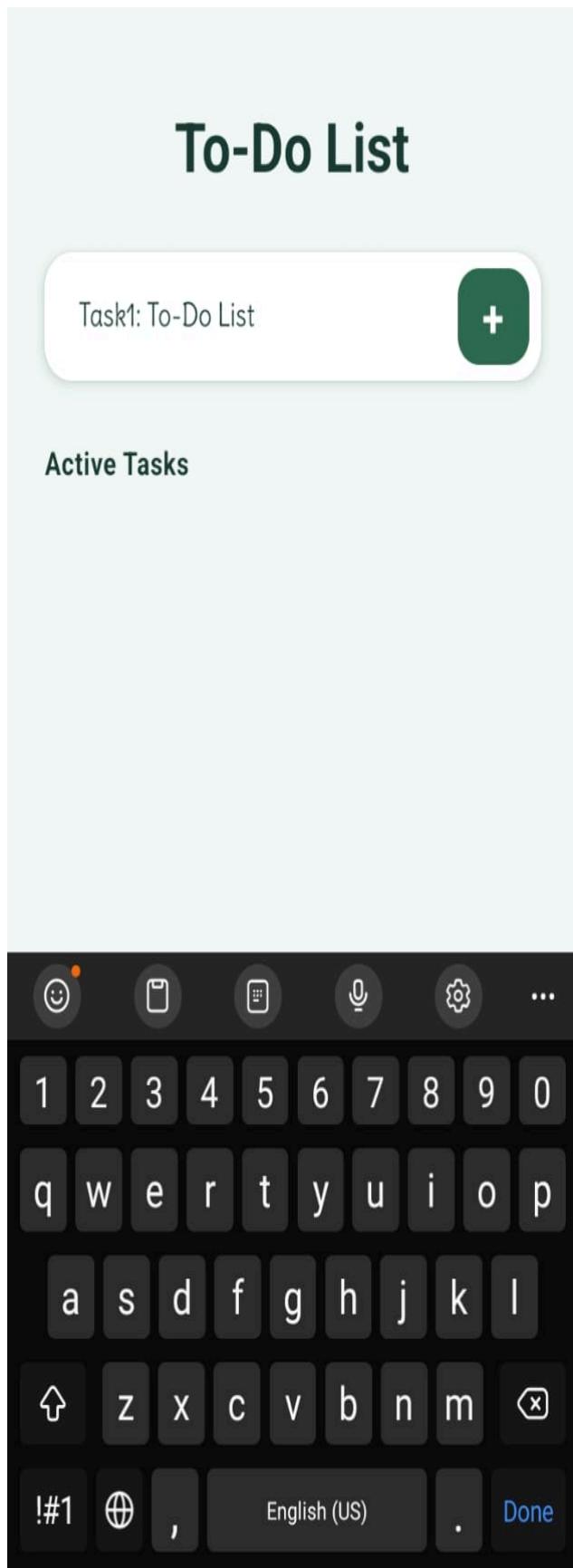
- **Task Addition:** Users can add new goals instantly.
- **Checklist Logic:** Tasks can be marked as completed and moved to a separate section.
- **Deletion:** Users can permanently delete tasks from either list using the trash icon.
- **Dual Independent Scroll:** Features two separate scrollable areas for active and completed tasks, optimized for Android using `nestedScrollEnabled` to ensure a smooth, conflict-free user experience.

5. Screenshots
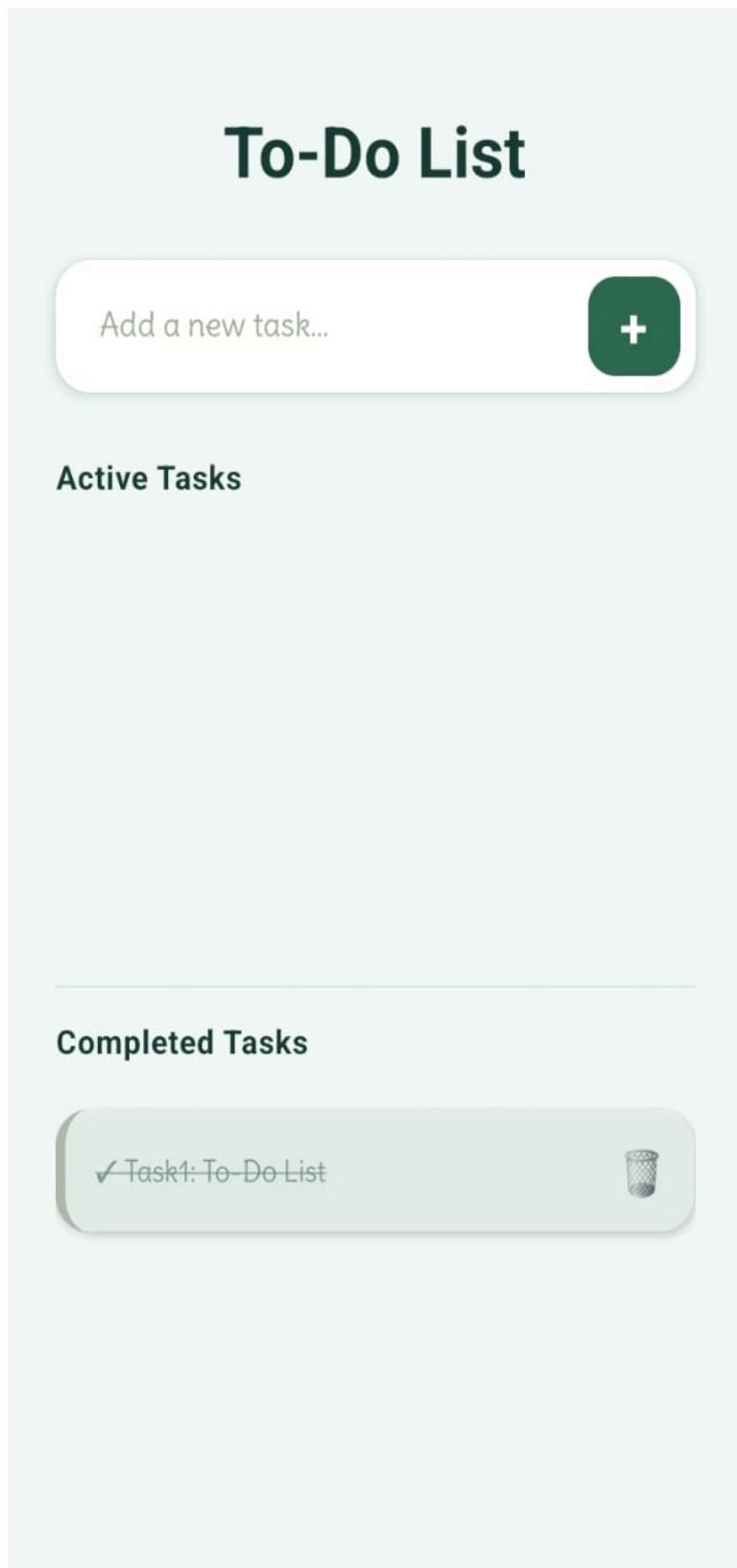
- App_Home_Screen
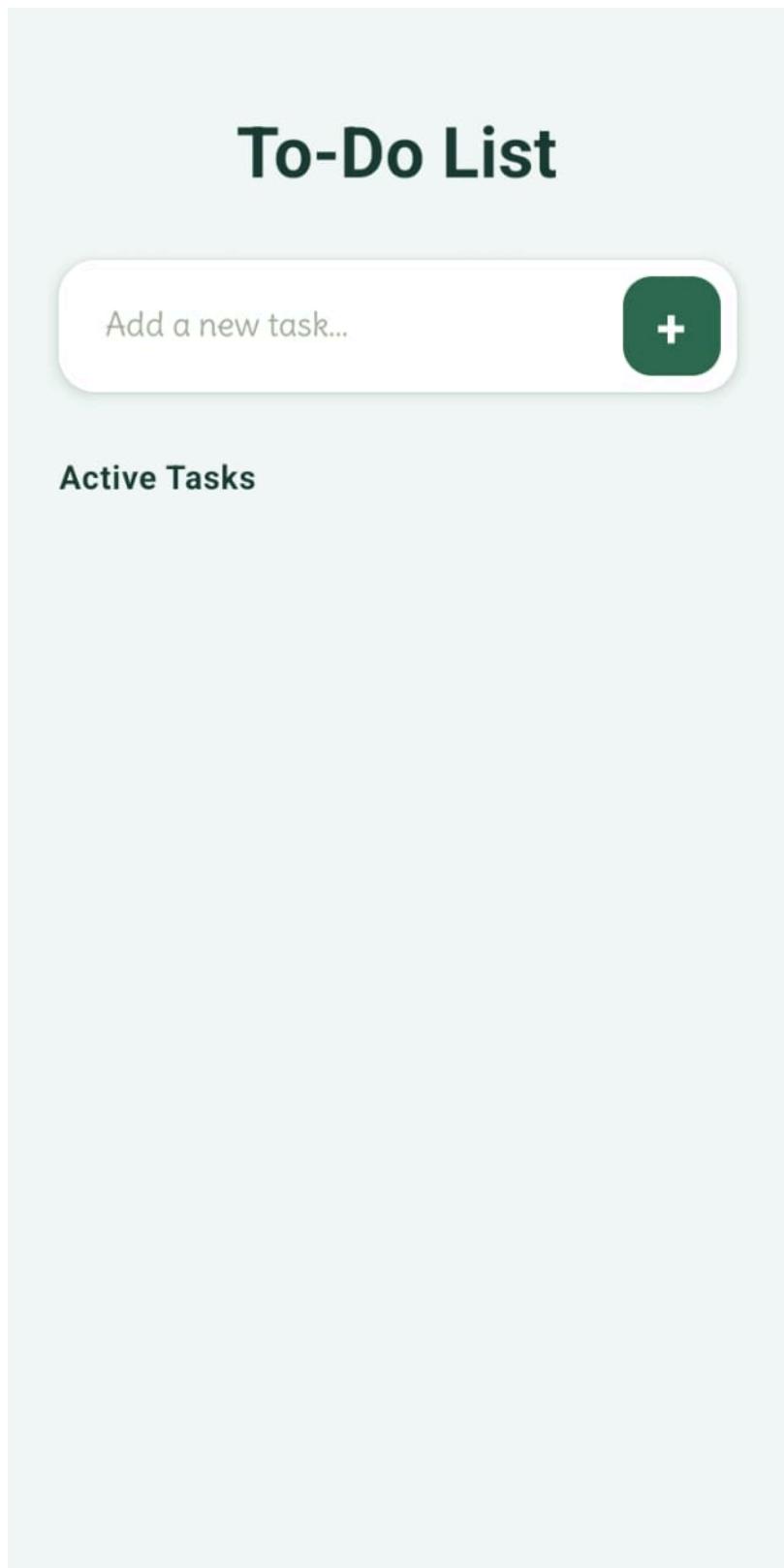
- Adding_New_Task
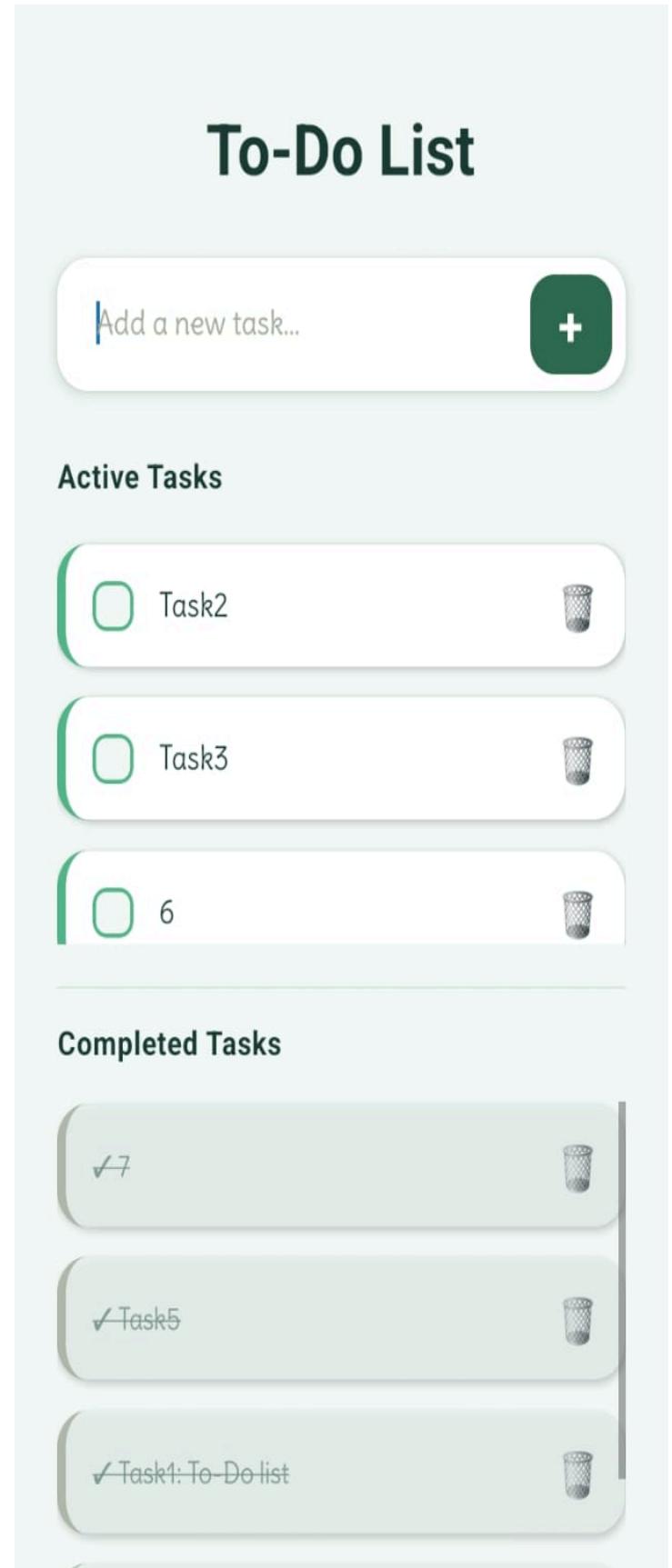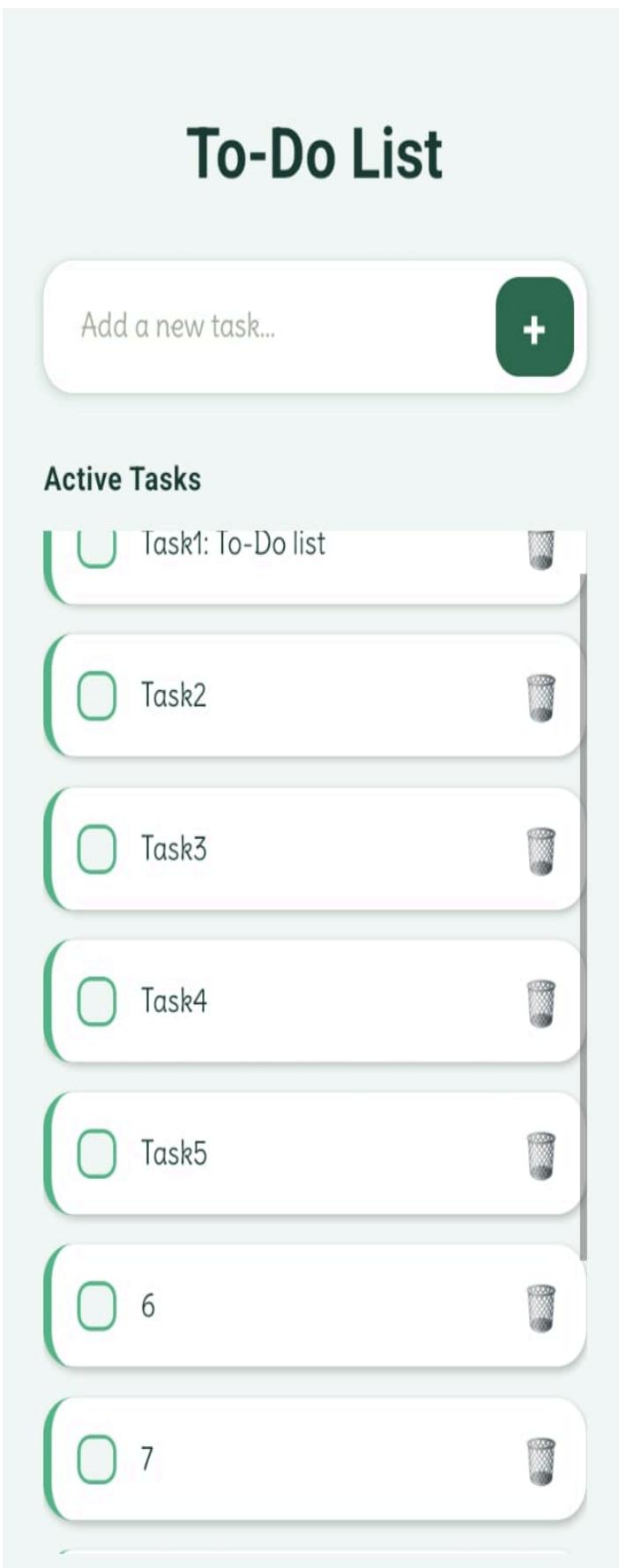
- Completed_Task

- Task_Deletion

- Dual_Scroll_Performance

To-Do List

Add a new task... **+**

Active Tasks

- ☐ Task1: To-Do list 🗑
- ☐ Task2 🗑
- ☐ Task3 🗑
- ☐ Task4 🗑
- ☐ Task5 🗑
- ☐ 6 🗑
- ☐ 7 🗑

To-Do List

Add a new task... **+**

Active Tasks

- ☐ Task2 🗑
- ☐ Task3 🗑
- ☐ 6 🗑

Completed Tasks

- ✓7 🗑
- ✓Task5 🗑
- ✓Task1: To-Do list 🗑

- **Project Lins**
  - Expo Snack
    https://snack.expo.dev/@mariam_ashraf26/to-do-list-

  - GitHub
    https://github.com/MariamAshraf25/To-Do-List-ReactNative-Assignment/tree/main