

# Basic To-Do App Using React Native

## Introduction

This project is a simple To-Do mobile application built using React Native. The app allows users to add tasks, mark them as complete, and delete them. The task list is displayed using FlatList, ensuring a scrollable and smooth user experience.

## Features

- **Add Tasks:** Users can input a new task and add it to the list.
- **Mark as Complete:** Users can tap on a task to mark it as completed.
- **Delete Tasks:** Users can remove tasks from the list.
- **FlatList for Scrolling:** The app uses **FlatList** to efficiently display tasks in a scrollable format.

## Technologies Used

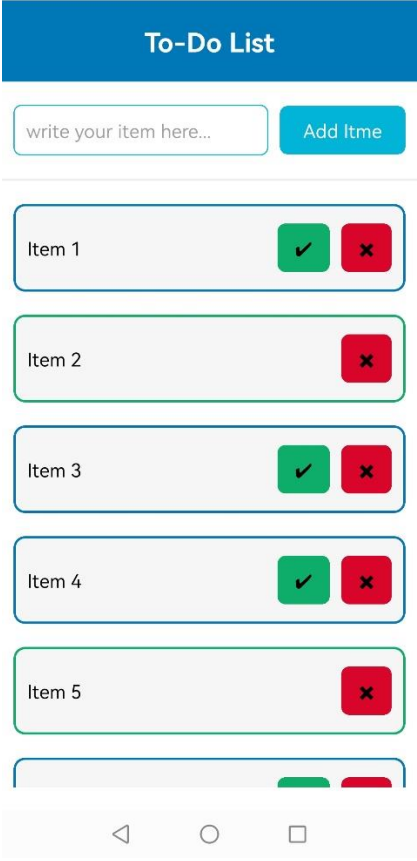
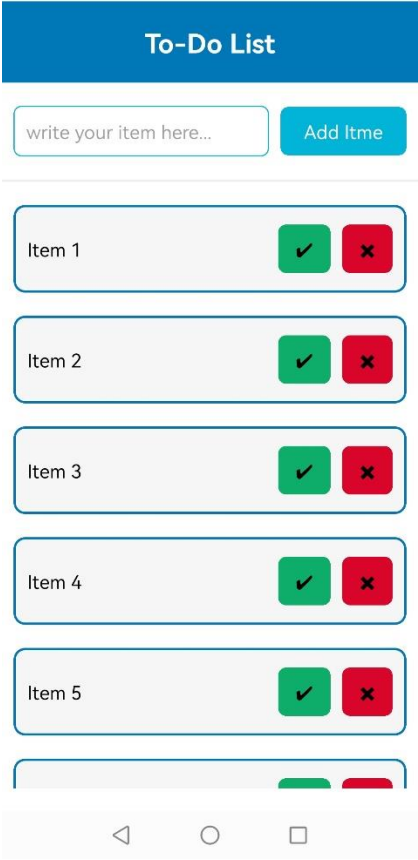
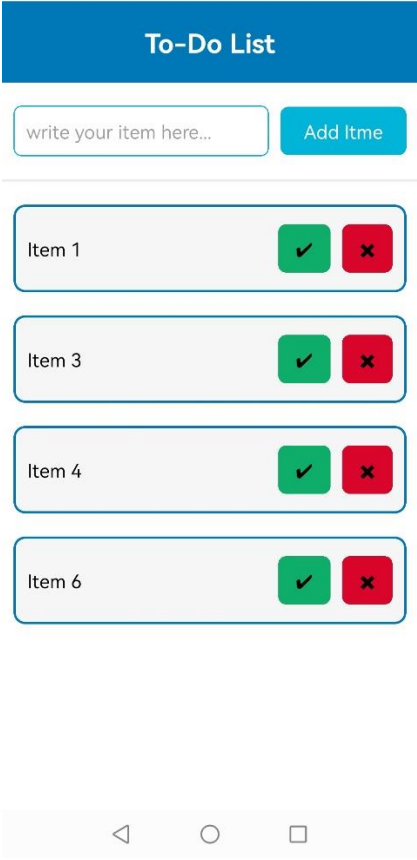
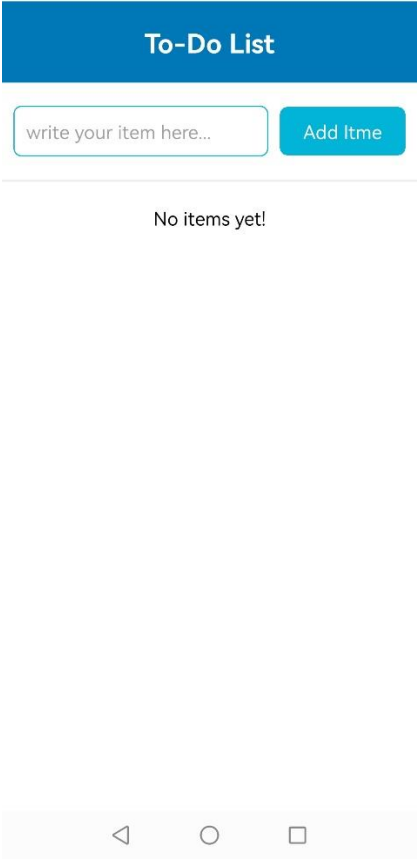
- **React Native** (Expo)
- **React Hooks** (useState)
- **FlatList** for rendering tasks efficiently

# Implementation Overview

The app has a simple functional component structure with state management handled by `useState`. The core functionalities (adding, deleting, marking as complete) are implemented using state updates.

```
1  export default function App() {
2    const [items, setItems] = useState([]);
3
4    function addItem(item) {
5      console.log(item);
6
7      setItems((items) => [...items, item]);
8    }
9
10   function deleteItem(id) {
11     setItems((items) => items.filter((item) => item.id !== id));
12   }
13
14   function markCompleted(id) {
15     setItems((items) =>
16       items.map((item) =>
17         item.id === id ? { ...item, completed: true } : item
18       )
19     );
20   }
21
22   return (
23     <>
24       <View style={styles.container}>
25         <Header />
26         <AddForm onAddItem={addItem} />
27         <ItemsList
28           items={items}
29           onDeleteItem={deleteItem}
30           onMarkCompleted={markCompleted}
31         />
32         { /* <StatusBar style="auto" /> */ }
33       </View>
34     </>
35   );
36 }
```

# Screenshots



## Download APK

[Click here](#)

## GitHub Repository

[Click here](#)