

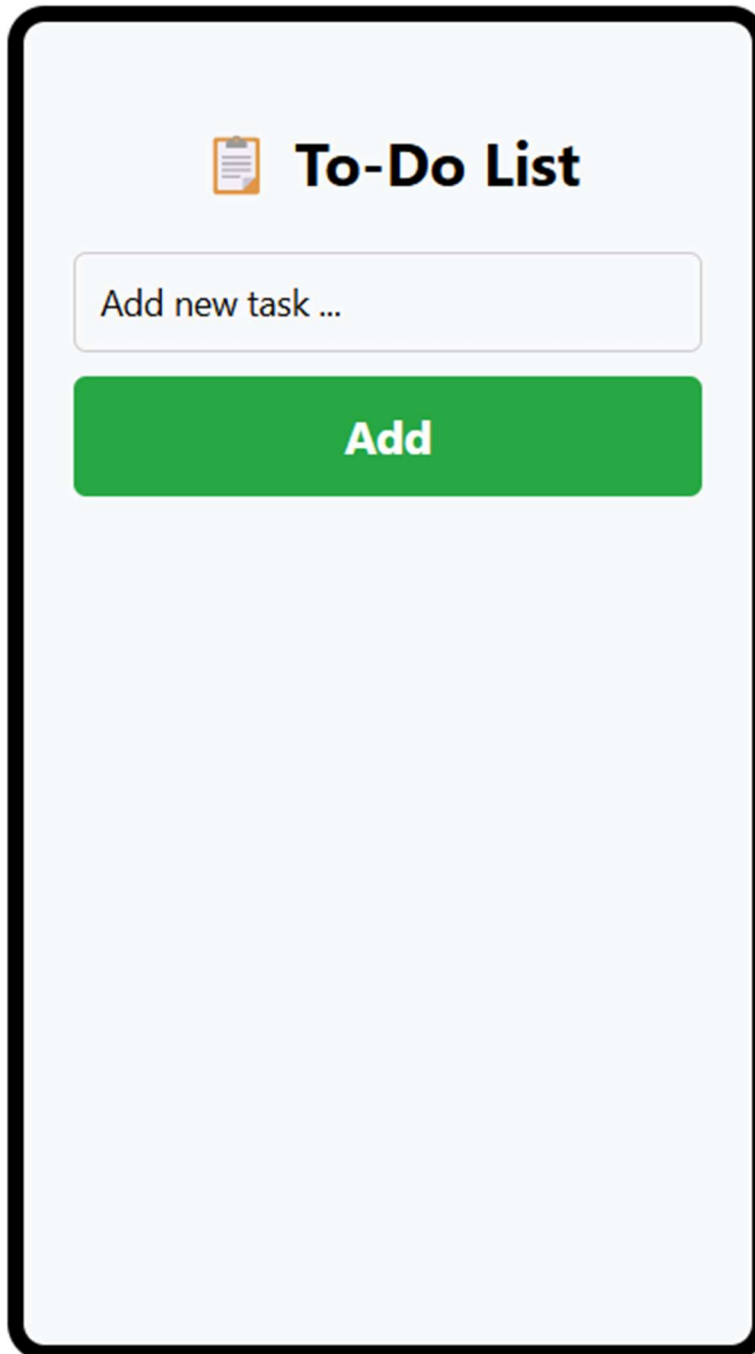
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Section : 1

To-Do List Application

Screenshots :

1- Main Page :


A screenshot of a mobile application interface for a To-Do List. The app has a light blue background with a black border. At the top, there is a clipboard icon followed by the title "To-Do List". Below the title is a text input field with the placeholder text "Add new task ...". Underneath the input field is a green button with the word "Add" in white text.

 **To-Do List**

Add new task ...



Add

2- Adding task :


 **To-Do List**

Add

Task 1 - Mobile Computing





3- Editing task :


 **To-Do List**

Add

Task 1 - Mobile
Computing edited



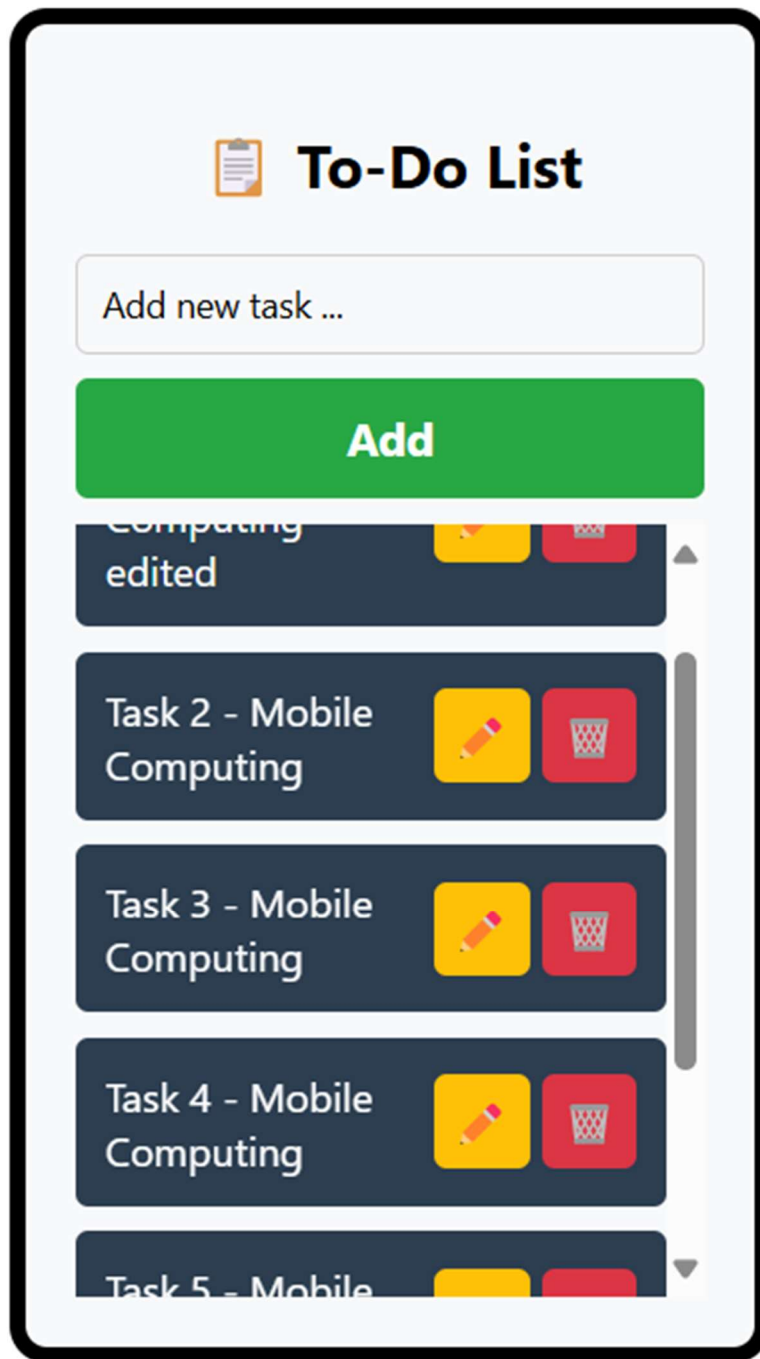
4- Deleting task :

 **To-Do List**

Add new task ...

Add

5- Scrolling tasks :



Colors Used:

- **Primary Color: #2C3E50 (Dark Blue – Used for task containers and headers)**
- **Secondary Color: #1ABC9C (Teal – Used for buttons and highlights)**
- **Accent Color: #F39C12 (Orange – Used for edit buttons and warnings)**
- **Delete Button Color: #DC3545 (Red – Used for delete actions)**
- **Background Color: #ECF0F1 (Light Gray – Used for the main app background)**
- **Text Color: #FFFFFF (White – Used for text on dark backgrounds)**

Fonts Used:

- **Default React Native font (System font)**
- **Font Size for headings: 24px, Bold**
- **Font Size for tasks: 16px, Regular**
- **Font Size for buttons: 18px, Bold**

Code : App.js

```
1  import React, { useState } from "react";
2  import { StyleSheet, Text, View, TextInput, TouchableOpacity, FlatList } from "react-native";
3
4  export default function App() {
5    const [task, setTask] = useState("");
6    const [tasks, setTasks] = useState([]);
7    const [editIndex, setEditIndex] = useState(null);
8
9    const handleTask = () => {
10     if (task.trim().length > 0) {
11       if (editIndex !== null) {
12         const updatedTasks = [...tasks];
13         updatedTasks[editIndex] = task;
14         setTasks(updatedTasks);
15         setEditIndex(null);
16       } else {
17         setTasks([...tasks, task]);
18       }
19       setTask("");
20     }
21   };
22
23   const deleteTask = (index) => {
24     setTasks(tasks.filter((_, i) => i !== index));
25   };
26
27   const editTask = (index) => {
28     setTask(tasks[index]);
29     setEditIndex(index);
30   };
31
32   return (
33     <View style={styles.container}>
34       <Text style={styles.heading}>📌 To-Do List</Text>
35
36       <TextInput
37         style={styles.input}
38         placeholder="Add new task ..."
39         value={task}
40         onChangeText={(text) => setTask(text)}
41       />
42
43       <TouchableOpacity style={styles.addButton} onPress={handleTask}>
44         <Text style={styles.addButtonText}>{editIndex !== null ? "Confirm edit" : "Add"}</Text>
45       </TouchableOpacity>
46
47       <FlatList
48         data={tasks}
49         renderItem={({ item, index }) => (
50           <View style={styles.taskContainer}>
51             <Text style={styles.taskText}>{item}</Text>
52
53             <View style={styles.buttonGroup}>
54               <TouchableOpacity style={styles.editButton} onPress={() => editTask(index)}>
55                 <Text style={styles.buttonText}>✏️</Text>
56               </TouchableOpacity>
57
58               <TouchableOpacity style={styles.deleteButton} onPress={() => deleteTask(index)}>
59                 <Text style={styles.buttonText}>🗑️</Text>
60               </TouchableOpacity>
61             </View>
62           </View>
63         )}
64       />
65     </View>
66   );
67 }
```



```

62     </View>
63   )}
64   keyExtractor={({item, index}) => index.toString()}
65   />
66
67 </View>
68 );
69 }
70
71 const styles = StyleSheet.create({
72   container: {
73     flex: 1,
74     backgroundColor: "#f8f9fa",
75     padding: 20,
76     alignItems: "center",
77     justifyContent: "center",
78     paddingTop: 40,
79     borderWidth: 7,
80     borderColor: "#0",
81     borderRadius: 15,
82     margin: 15,
83   },
84   heading: {
85     fontSize: 24,
86     fontWeight: "bold",
87     marginBottom: 20,
88   },
89   input: {
90     width: "100%",
91     padding: 10,
92     borderWidth: 1,
93     borderColor: "#ccc",

```

```

93     borderColor: "#ccc",
94     borderRadius: 5,
95     marginBottom: 10,
96   },
97   addButton: {
98     backgroundColor: "#28a745",
99     padding: 12,
100    width: "100%",
101    alignItems: "center",
102    borderRadius: 5,
103    marginBottom: 10,
104  },
105  addButtonText: {
106    color: "#fff",
107    fontSize: 18,
108    fontWeight: "bold",
109  },
110  taskContainer: {
111    backgroundColor: "#2C3E50",
112    padding: 12,
113    marginVertical: 5,
114    width: "100%",
115    borderRadius: 5,
116    flexDirection: "row",
117    justifyContent: "space-between",
118    alignItems: "center",
119  },
120  taskText: {
121    color: "#fff",
122    fontSize: 16,
123    flex: 1,

```

```
120 taskText: {
121     color: "#fff",
122     fontSize: 16,
123     flex: 1,
124 },
125 buttonGroup: {
126     flexDirection: "row",
127 },
128 editButton: {
129     backgroundColor: "#ffc107",
130     padding: 8,
131     marginHorizontal: 5,
132     borderRadius: 5,
133 },
134 deleteButton: {
135     backgroundColor: "#dc3545",
136     padding: 8,
137     borderRadius: 5,
138 },
139 buttonText: {
140     color: "#fff",
141     fontSize: 16,
142 },
143 });
144
```