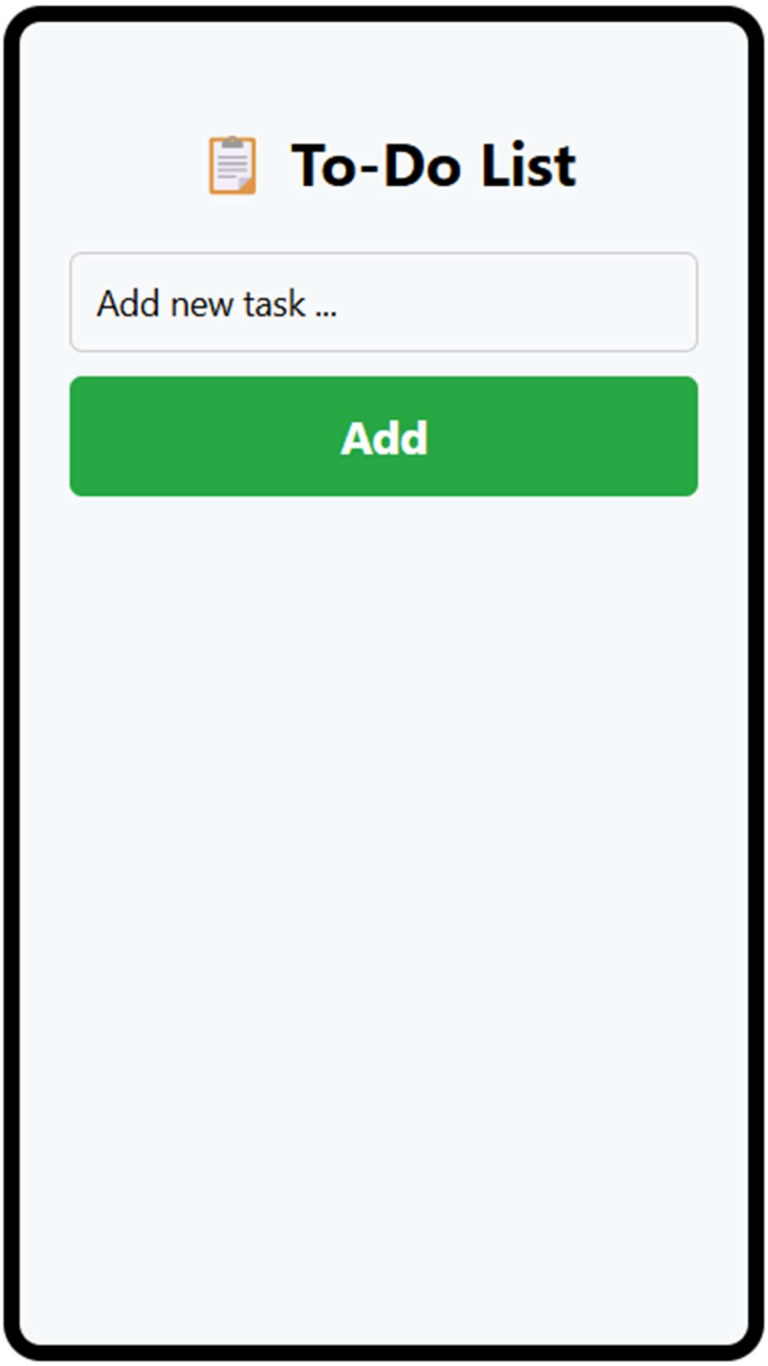
Name : Omar ElSayed Ahmed

Section : 1

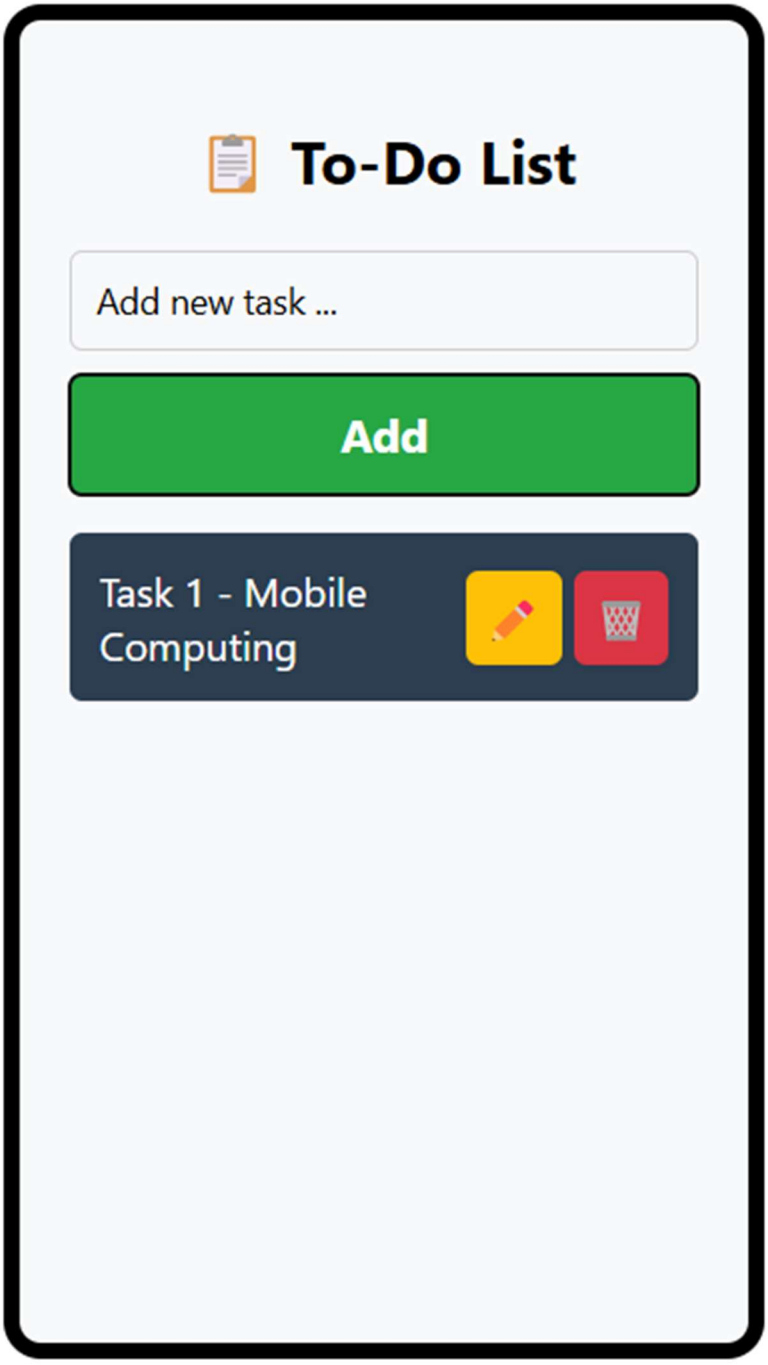
To-Do List Application

Screenshots :

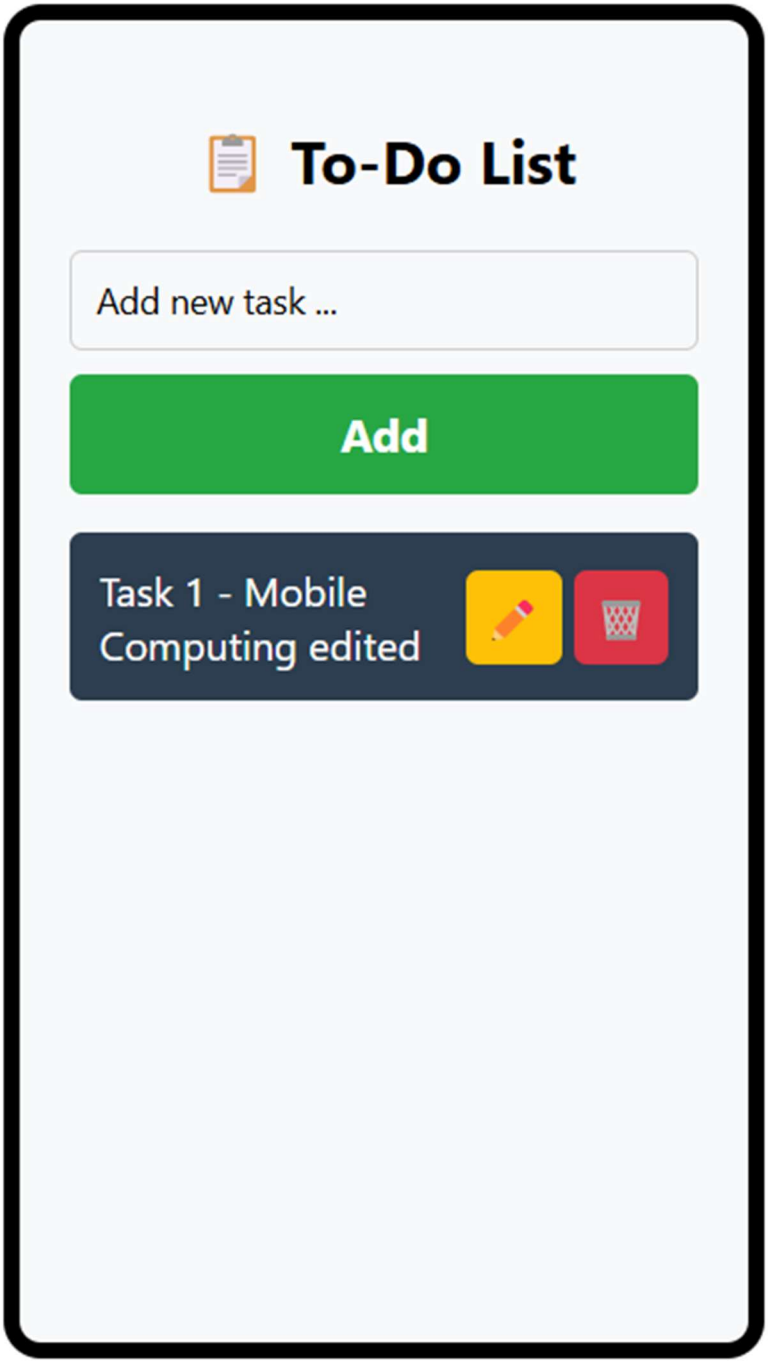
1- Main Page :



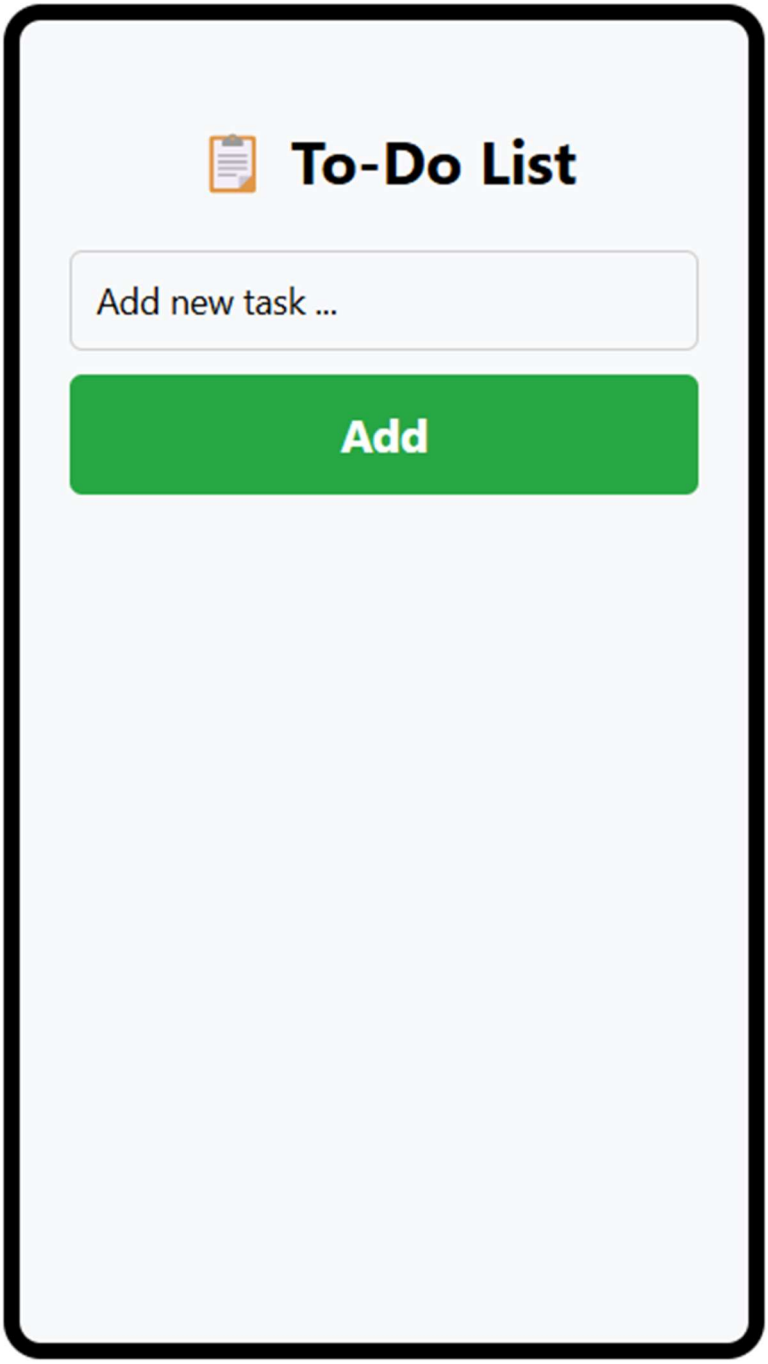
2- Adding task :



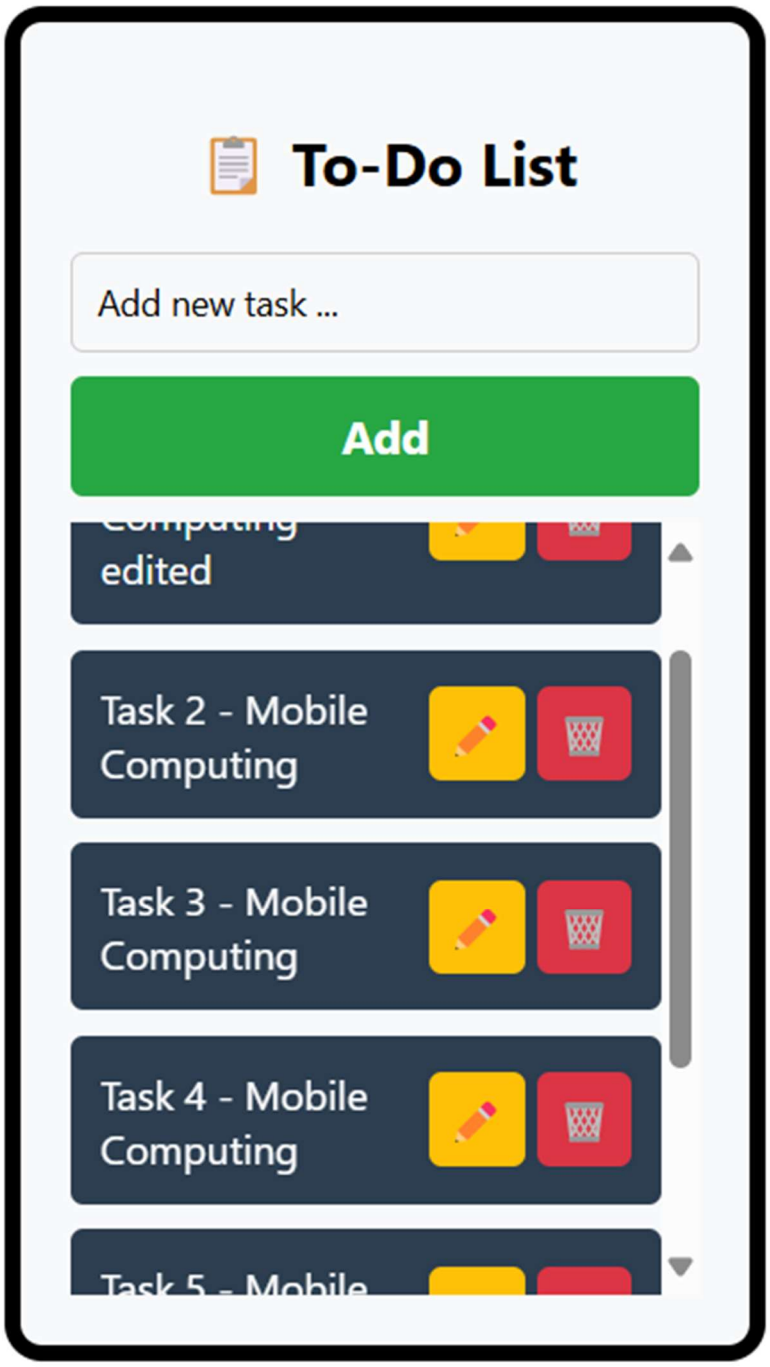
3- Editing task :



4- Deleting task :



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

```jsx
import React, { useState } from "react";
import { StyleSheet, Text, View, TextInput, TouchableOpacity, FlatList } from "react-native";

export default function App() {
  const [task, setTask] = useState("");
  const [tasks, setTasks] = useState([]);
  const [editIndex, setEditIndex] = useState(null);

  const handleTask = () => {
    if (task.trim().length > 0) {
      if (editIndex !== null) {
        const updatedTasks = [...tasks];
        updatedTasks[editIndex] = task;
        setTasks(updatedTasks);
        setEditIndex(null);
      } else {
        setTasks([...tasks, task]);
      }
      setTask("");
    }
  };

  const deleteTask = (index) => {
    setTasks(tasks.filter((_, i) => i !== index));
  };

  const editTask = (index) => {
    setTask(tasks[index]);
    setEditIndex(index);
  };

  return (
    <View style={styles.container}>
      <Text style={styles.heading}>📋 To-Do List</Text>

      <TextInput
        style={styles.input}
        placeholder="Add new task ..."
        value={task}
        onChangeText={(text) => setTask(text)}
      />

      <TouchableOpacity style={styles.addButton} onPress={handleTask}>
        <Text style={styles.addButtonText}>{editIndex !== null ? "Confirm edit" : "Add"}</Text>
      </TouchableOpacity>

      <FlatList
        data={tasks}
        renderItem={({ item, index }) => (
          <View style={styles.taskContainer}>
            <Text style={styles.taskText}>{item}</Text>

            <View style={styles.buttonGroup}>
              <TouchableOpacity style={styles.editButton} onPress={() => editTask(index)}>
                <Text style={styles.buttonText}>🖍️</Text>
              </TouchableOpacity>

              <TouchableOpacity style={styles.deleteButton} onPress={() => deleteTask(index)}>
                <Text style={styles.buttonText}>🗑️</Text>
              </TouchableOpacity>
            </View>
          </View>
```

```
            </View>
          )}
          keyExtractor={(item, index) => index.toString()}
        />

      </View>
    );
  }

  const styles = StyleSheet.create({
    container: {
      flex: 1,
      backgroundColor: "#f8f9fa",
      padding: 20,
      alignItems: "center",
      justifyContent: "center",
      paddingTop: 40,
      borderWidth: 7,
      borderColor: "#0",
      borderRadius: 15,
      margin: 15,
    },
    heading: {
      fontSize: 24,
      fontWeight: "bold",
      marginBottom: 20,
    },
    input: {
      width: "100%",
      padding: 10,
      borderWidth: 1,
      borderColor: "#ccc",
      borderRadius: 5,
      marginBottom: 10,
    },
    addButton: {
      backgroundColor: "#28a745",
      padding: 12,
      width: "100%",
      alignItems: "center",
      borderRadius: 5,
      marginBottom: 10,
    },
    addButtonText: {
      color: "#fff",
      fontSize: 18,
      fontWeight: "bold",
    },
    taskContainer: {
      backgroundColor: "#2C3E50",
      padding: 12,
      marginVertical: 5,
      width: "100%",
      borderRadius: 5,
      flexDirection: "row",
      justifyContent: "space-between",
      alignItems: "center",
    },
    taskText: {
      color: "#fff",
      fontSize: 16,
      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
```