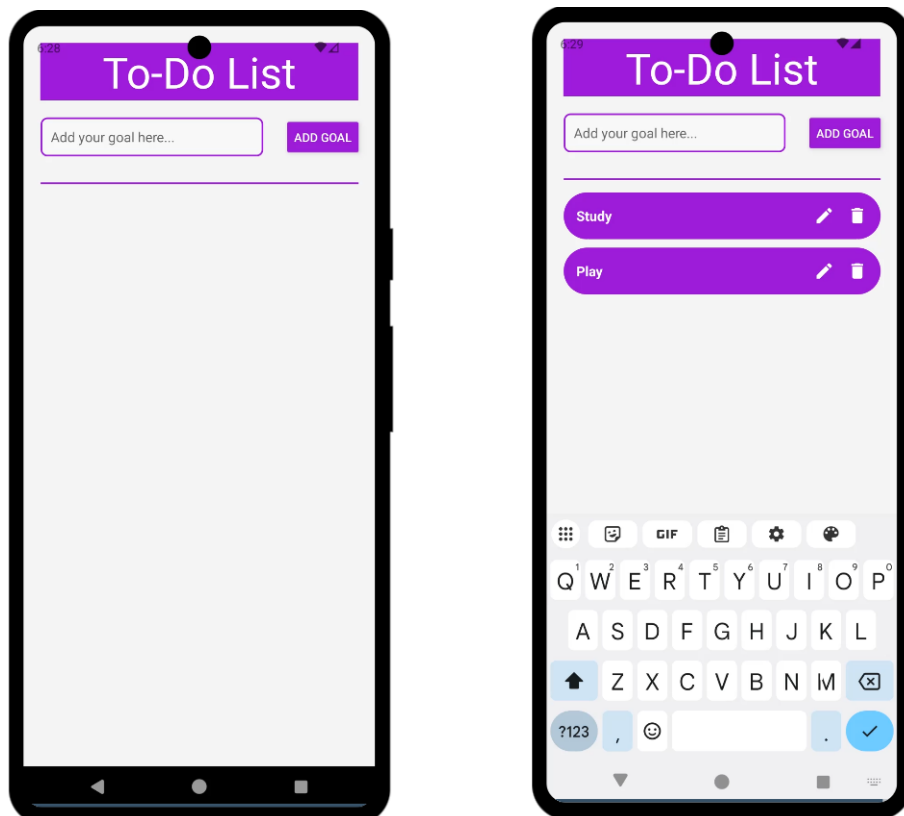Name : Shrouk Mohamed Mahmod Sabry

Section :3

Lab 1

To-Do-List Report

1. Screenshots of the App :

2. Colors and Fonts Used:

Colors

- **Background Color**: #f5f5f5

- **Header Background**: #9400d3

- **Input Border**: #9400d3

- **Goal Item Background**: #9400d3

- **Text Color**: #fff

Fonts

- **Header Font Size**: 50 (Bold, Centered)

- **Goal Text Font Size**: 16 (Bold, White)

- **Input Font Size**: 16 (Regular)

3. Code
1- Add Component

```
4.  import React, { useState } from "react";
5.  import {
6.    View,
7.    Text,
8.    TextInput,
9.    Button,
10.   FlatList,
11.   TouchableOpacity,
12.   StyleSheet,
13. } from "react-native";
14. import Icon from "react-native-vector-icons/MaterialIcons";
15.
```

```
16. export default function App() {
17.   const [goal, setGoal] = useState("");
18.   const [goals, setGoals] = useState([]);
19.
20.
21.   const addGoalHandler = () => {
22.     if (goal.trim().length === 0) return;
23.     setGoals((currentGoals) => [
24.       ...currentGoals,
25.       { id: Math.random().toString(), value: goal },
26.     ]);
27.     setGoal("");
28.   };
29.
30.   const removeGoalHandler = (goalId) => {
31.     setGoals((currentGoals) => currentGoals.filter((goal) => goal.id !==
    goalId));
32.   };
33.
34.
35.   const editGoalHandler = (goalId) => {
36.     const goalToEdit = goals.find((goal) => goal.id === goalId);
37.     if (goalToEdit) {
38.       setGoal(goalToEdit.value);
39.       removeGoalHandler(goalId);
40.     }
41.   };
42.
43.   return (
44.     <View style={styles.container}>
45.       <Text style={styles.header}>To-Do List</Text>
46.
47.       {/* Input and Button */}
48.       <View style={styles.inputContainer}>
49.         <TextInput
50.           style={styles.input}
51.           placeholder="Add your goal here..."
52.           value={goal}
53.           onChangeText={setGoal}
54.         />
55.         <Button title="ADD GOAL" onPress={addGoalHandler} color="#9400d3" />
56.       </View>
57.
58.       <View style={styles.separator} />
59.
```

```
60.
61.        <FlatList
62.          data={goals}
63.          keyExtractor={(item) => item.id}
64.          renderItem={({ item }) => (
65.            <View style={styles.goalItem}>
66.              <Text style={styles.goalText}>{item.value}</Text>
67.              <View style={styles.buttonContainer}>
68.                <TouchableOpacity onPress={() => editGoalHandler(item.id)}>
69.                  <Icon name="edit" size={24} color="#fff" style={styles.icon}
  />
70.                </TouchableOpacity>
71.
72.                <TouchableOpacity onPress={() => removeGoalHandler(item.id)}>
73.                  <Icon name="delete" size={24} color="#fff" style={styles.icon}
  />
74.                </TouchableOpacity>
75.              </View>
76.            </View>
77.          )}
78.        />
79.      </View>
80.  );
81. }
```

2- Style

```
• 
•   // Styles
•   const styles = StyleSheet.create({
•     container: {
•       flex: 1,
•       padding: 20,
•       backgroundColor: "#f5f5f5",
•     },
•     header: {
•       fontSize: 50,
•       textAlign: "center",
•       color: "white",
•       marginBottom: 20,
•       backgroundColor: "#9400d3",
•     },
•     inputContainer: {
•       flexDirection: "row",
```

```
    alignItems: "center",
    justifyContent: "space-between",
    marginBottom: 20,
  },
  input: {
    width: "70%",
    borderWidth: 2,
    borderColor: "#9400d3",
    borderRadius: 8,
    padding: 10,
    fontSize: 16,
    backgroundColor: "#F8F8F8",
  },
  separator: {
    borderBottomWidth: 2,
    borderBottomColor: "#9400d3",
    marginVertical: 10,
  },
  goalItem: {
    backgroundColor: "#9400d3",
    padding: 15,
    borderRadius: 100,
    marginVertical: 5,
    flexDirection: "row",
    justifyContent: "space-between",
    alignItems: "center",
    shadowOffset: { width: 2, height: 2 },
    shadowOpacity: 0.3,
    shadowRadius: 3,
  },
  goalText: {
    color: "#fff",
    fontSize: 16,
    fontWeight: "bold",
  },
  buttonContainer: {
    flexDirection: "row",
  },
  icon: {
    marginLeft: 15,
  },
});
```