



TO-DO LIST

Name: Ayat Mohamed Mohamed Abdulghani

Department: computer and systems

Section: 1



Features

- Users can enter a goal in the text input field.
 - Clicking the "ADD GOAL" button adds the goal to the list.
 - Clicking on a goal deletes it from the list.
 - The app uses a custom font for better UI aesthetics.
 - Responsive design with consistent styling.
-

Design & UI Elements

3.1 Colors Used

Primary Color:

- **Hex:** #6A1B9A (Purple)
- **Usage:** Used for the header, buttons, and list items.

Secondary Color:

- **Hex:** #FFFFFF (White)
- **Usage:** Used for the background and text contrast.

Accent Color:

- **Hex:** #888888 (Gray)
 - **Usage:** Placeholder text in the input field.
-

Fonts Used

- **Poppins-Regular:** Used for standard text.
- **Poppins-Bold:** Used for headings and buttons.

UI Components :

Header: Displays the title "To-Do List" at the top.

TextInput: Allows users to enter a new goal.

Button: Adds the goal to the list when clicked.

FlatList: Displays the list of goals and handles scrolling.

Delete by touch: Makes each goal clickable for deletion.

Code :

```
1  import React, { useState } from "react";
2  import {
3    View,
4    Text,
5    TextInput,
6    TouchableOpacity,
7    FlatList,
8    StyleSheet,
9  } from "react-native";
10 import { useFonts } from "expo-font";
11 import AppLoading from "expo-app-loading";
12
13 Tabnine | Edit | Test | Explain | Document
14 export default function App() {
15   const [goal, setGoal] = useState(""); // Stores user input
16   const [goals, setGoals] = useState([]); // Stores the list of goals
```

```
18  const [fontsLoaded] = useFonts({
19    "Poppins-Regular": require("./assets/fonts/Poppins-Regular.ttf"),
20    "Poppins-Bold": require("./assets/fonts/Poppins-Bold.ttf"),
21  });
22
23  if (!fontsLoaded) {
24    return <AppLoading />;
25  }
26
27  // Function to add a goal
28  const addGoalHandler = () => {
29    if (goal.trim().length === 0) return; // Prevent empty input
30    setGoals((prevGoals) => [
31      ...prevGoals,
32      { id: Math.random().toString(), text: goal },
33    ]);
34    setGoal(""); // Clear input after adding
35  };
36
37  // Function to delete a goal when clicked
38  const deleteGoalHandler = (goalId) => {
39    setGoals((prevGoals) => prevGoals.filter((goal) => goal.id !== goalId));
40  };

```

```

42  ✓ return (
43  ✓   <View style={styles.container}>
44      /* Header */
45  ✓   <View style={styles.header}>
46      |   <Text style={styles.headerText}>To-Do List</Text>
47      | </View>
48
49      /* Input and Add Button */
50  ✓   <View style={styles.inputContainer}>
51      |   <TextInput
52  ✓      |   style={styles.input}
53          |   placeholder="Enter goal..."
54          |   placeholderTextColor="#888"
55          |   value={goal}
56          |   onChangeText={setGoal}
57          | />
58  ✓   <TouchableOpacity style={styles.addButton} onPress={addGoalHandler}>
59      |   <Text style={styles.addButtonText}>ADD GOAL</Text>
60      | </TouchableOpacity>
61      | </View>
62
63      /* List of Goals */
64      <FlatList
65          |   data={goals}
66          |   keyExtractor={({item}) => item.id}
67          |   renderItem={({ item }) => (
68              |   <TouchableOpacity onPress={() => deleteGoalHandler(item.id)}>
69              |       <View style={styles.goalItem}>
70              |           <Text style={styles.goalText}>{item.text}</Text>
71              |       </View>
72              |   </TouchableOpacity>
73              | )}
74          | />
75      </View>
76  );
77  }

```

```
// Styles
const styles = StyleSheet.create({
  container: {
    flex: 1,
    padding: 20,
    backgroundColor: "#FFFFFF",
  },
  header: {
    backgroundColor: "#6A1B9A",
    padding: 20,
    borderRadius: 10,
    marginTop: 20,
    marginBottom: 20,
    alignItems: "center",
  },
  headerText: {
    fontSize: 24,
    fontFamily: "Poppins-Bold",
    color: "#FFFFFF",
  },
  inputContainer: {
    flexDirection: "row",
    alignItems: "center",
    marginBottom: 20,
  },
  input: {
    flex: 1,
    borderWidth: 1,
    borderColor: "#6A1B9A",
    padding: 10,
    borderRadius: 5,
    fontFamily: "Poppins-Regular",
    color: "#000",
  },
  addButton: {
    marginLeft: 10,
    backgroundColor: "#6A1B9A",
    paddingVertical: 10,
    paddingHorizontal: 15,
    borderRadius: 5,
  },
});
```

```
addButtonText: {  
  color: "white",  
  fontSize: 14,  
  fontFamily: "Poppins-Bold",  
},  
goalItem: {  
  padding: 10,  
  backgroundColor: "#6A1B9A",  
  borderRadius: 20,  
  marginVertical: 5,  
  alignItems: "center",  
},  
goalText: {  
  fontSize: 16,  
  fontFamily: "Poppins-Regular",  
  color: "white",  
  textAlign: "center",  
},  
});
```

Design

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To-Do List

Enter goal... **ADD GOAL**

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To-Do List

Enter goal... **ADD GOAL**

- Ayat
- Mobile computing
- React native
- To do list app

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To-Do List

Enter goal... **ADD GOAL**

- Mobile computing
- React native
- To do list app
- Test
- Tset

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Z X C V B N M
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