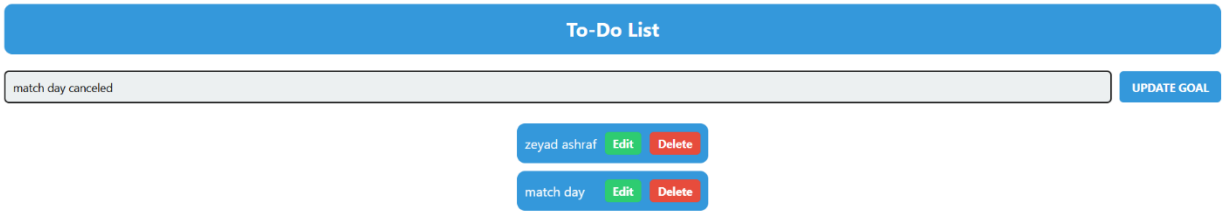
React Native To-Do List App Report

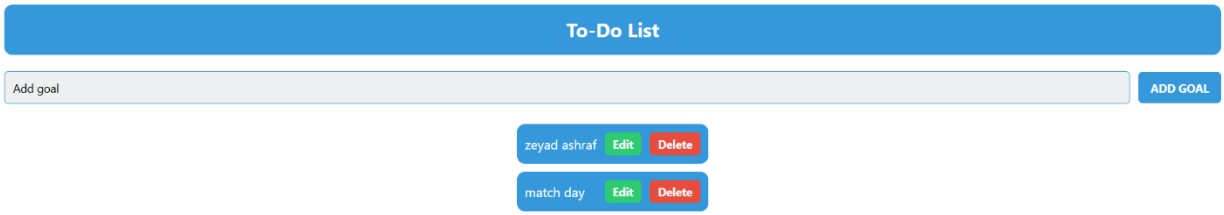
1. Introduction

This report provides an overview of the **React Native To-Do List App**, covering its design, colors, fonts, components, styling, and logic. The app allows users to add, edit, and delete goals dynamically. It is built using React Native and Expo, with a focus on simplicity and usability.

---

2. Screenshots of the App





---

3. Colors & Fonts Used

🎨 Colors:

Component	Color Code	Description
Background	`#ecf0f1`	Light Gray
Header	`#3498db`	Blue
Button	`#3498db`	Blue
Input Border	`#3498db`	Blue
Input BG	`#ecf0f1`	Light Gray
Goal Item BG	`#3498db`	Blue

📝 Fonts:

- Default React Native fonts used.
- `fontWeight: 'bold'` for important text elements.

---

4. Code Breakdown

📌 App Component (App.js)

The App.js file contains the main logic and structure of the app. Key features include:

- State Management:
  - goal: Stores the current input value.
  - goals: Stores the list of goals.
  - editingIndex: Tracks the index of the goal being edited.
- Functions:
  - addGoal: Adds a new goal or updates an existing one.
  - deleteGoal: Removes a goal from the list.
  - startEditing: Populates the input field with the goal to be edited.
- Components:
  - TextInput: For entering goals.
  - TouchableOpacity: For buttons (Add/Update, Edit, Delete).
  - FlatList: For rendering the list of goals.

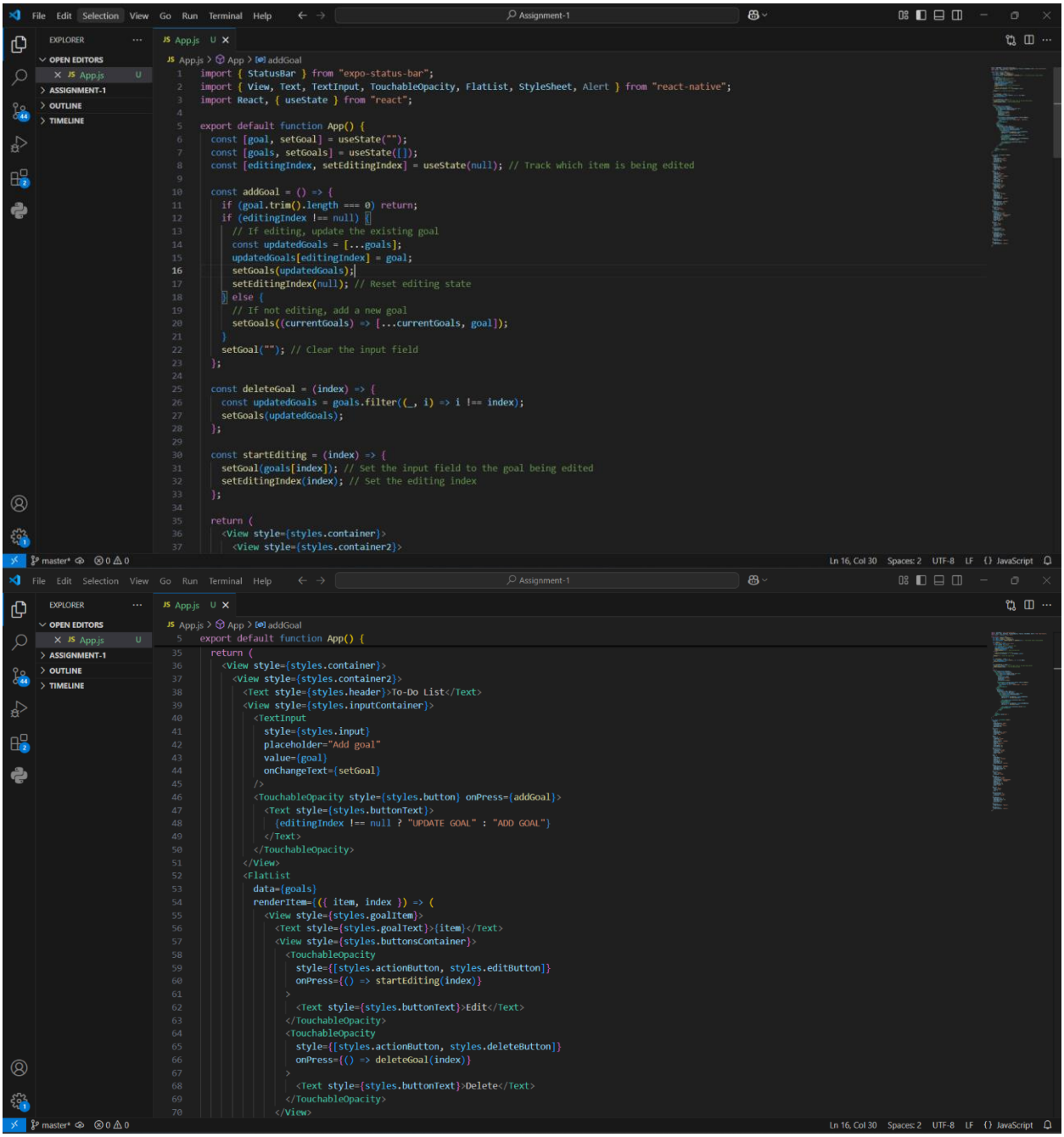
5. Features

Core Features:

1. Add Goal:

- Users can enter a goal in the input field and click "ADD GOAL" to add it to the list.

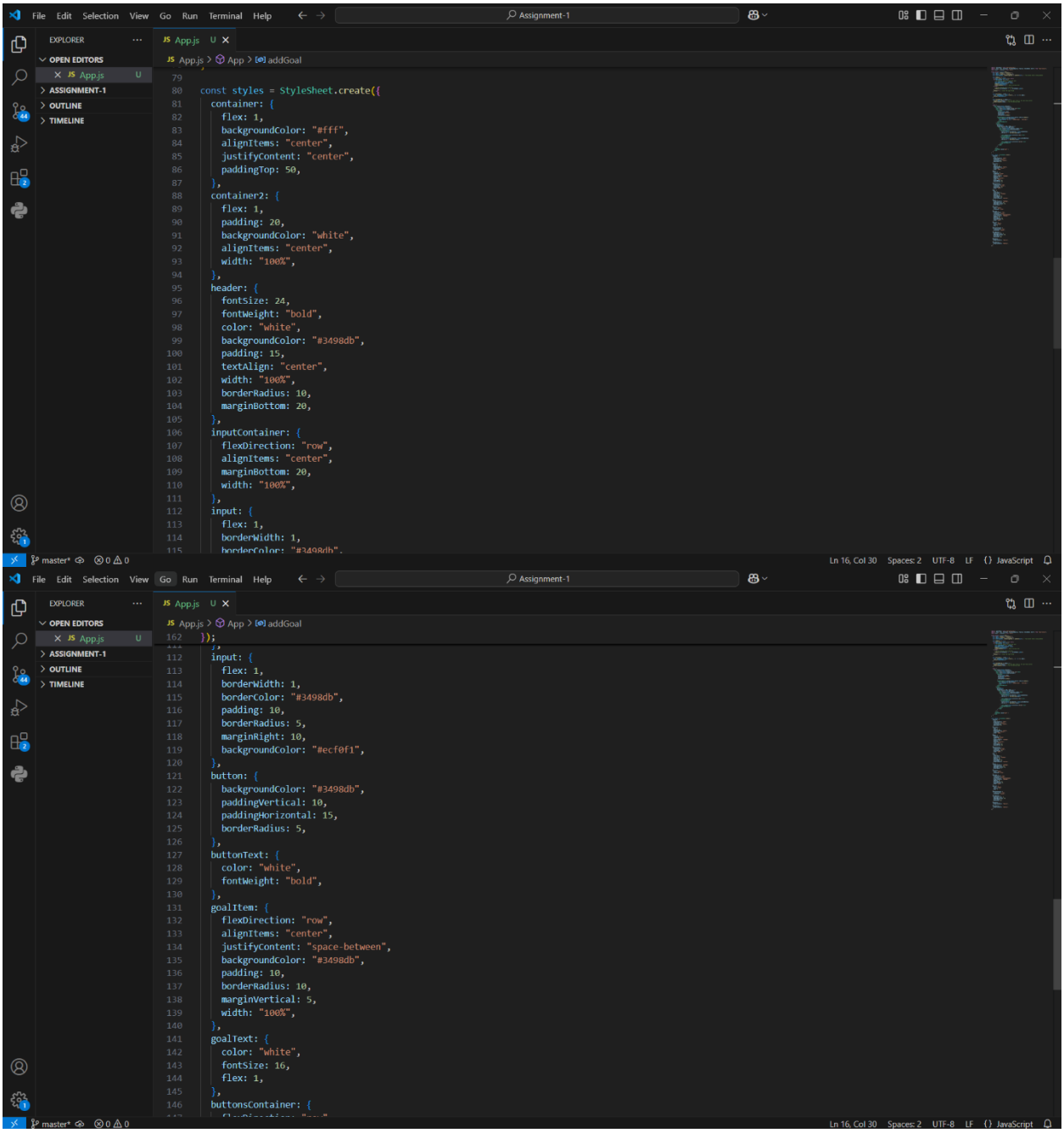
2. Edit Goal:
   - Users can click the "Edit" button next to a goal to populate the input field with the goal's text.
   - Clicking "UPDATE GOAL" updates the goal in the list.
3. Delete Goal:
   - Users can click the "Delete" button next to a goal to remove it from the list.



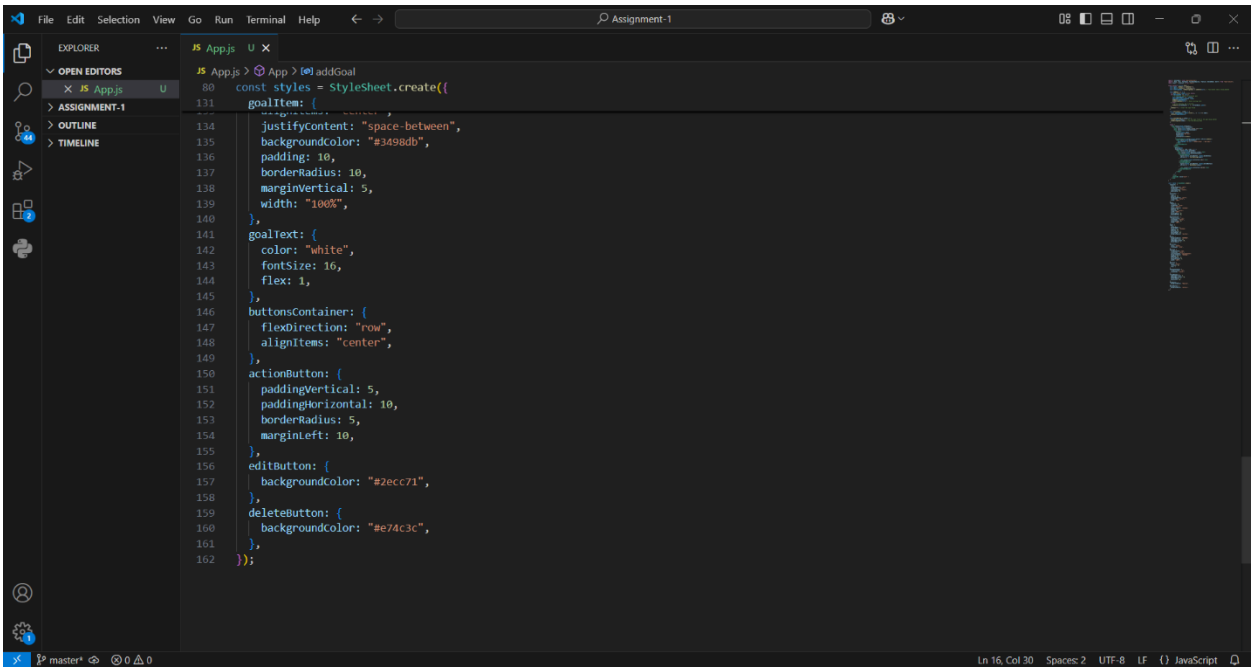
Styling (`styles` object)

The StyleSheet object defines the app's visual design. Key styles include:

- Container: Centers the app content and sets the background color.
- Header: Styles the app title with a blue background and white text.
- Input Container: Arranges the input field and button horizontally.
- Goal Item: Styles each goal item with a blue background and white text.
- Buttons: Styles for the Edit (green) and Delete (red) buttons.



```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    backgroundColor: "#fff",
    alignItems: "center",
    justifyContent: "center",
    paddingTop: 50,
  },
  container2: {
    flex: 1,
    padding: 20,
    backgroundColor: "white",
    alignItems: "center",
    width: "100%",
  },
  header: {
    fontSize: 24,
    fontWeight: "bold",
    color: "white",
    backgroundColor: "#3498db",
    padding: 15,
    textAlign: "center",
    width: "100%",
    borderRadius: 10,
    marginBottom: 20,
  },
  inputContainer: {
    flexDirection: "row",
    alignItems: "center",
    marginBottom: 20,
    width: "100%",
  },
  input: {
    flex: 1,
    borderWidth: 1,
    borderColor: "#3498db",
    padding: 10,
    borderRadius: 5,
    marginRight: 10,
    backgroundColor: "#ecf0f1",
  },
  button: {
    backgroundColor: "#3498db",
    paddingVertical: 10,
    paddingHorizontal: 15,
    borderRadius: 5,
  },
  buttonText: {
    color: "white",
    fontWeight: "bold",
  },
  goalItem: {
    flexDirection: "row",
    alignItems: "center",
    justifyContent: "space-between",
    backgroundColor: "#3498db",
    padding: 10,
    borderRadius: 10,
    marginVertical: 5,
    width: "100%",
  },
  goalText: {
    color: "white",
    fontSize: 16,
    flex: 1,
  },
  buttonsContainer: {
```



---

5. Conclusion

The **React Native To-Do List App** is a simple yet powerful tool for managing tasks. It demonstrates the use of React Native components, state management, and styling to create a clean and functional user interface. With the addition of **Edit** and **Delete** functionality, the app provides a more complete user experience. Future enhancements, such as local storage and animations, could further improve the app's usability and appeal.