

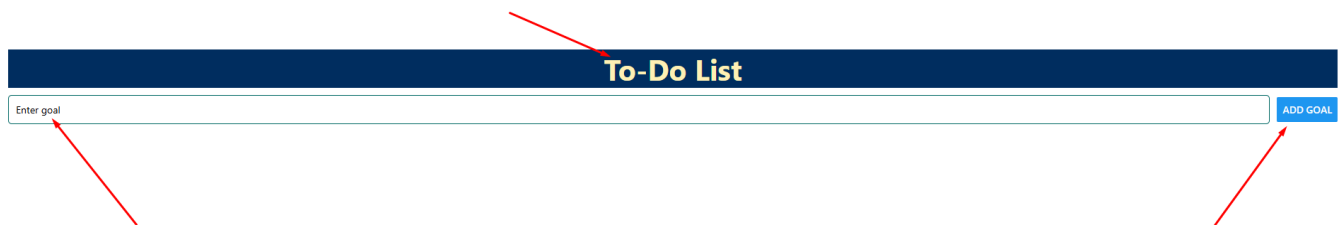
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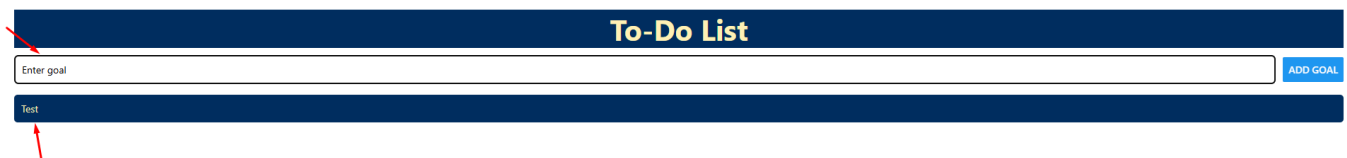
React Native To-Do List App Report

1. Screenshots of the Design

a basic To-Do list with a title, text field with a placeholder, and a button



focusing on the text input changes its color and hitting the button adds the input text in the list.



Note that adding an empty text doesn't change anything according to this condition.

```
if (goalText.trim() === "") return;
```



2. Colors and Fonts Used

Colors:

- **Background Color:** #ffffff (White)
- **Title Background Color:** #003161 (Dark Blue)
- **Title Text Color:** #FFF4B7 (Light Yellow)
- **Input Border Color:** #006A67 (Teal)
- **Button Color:** Default system button color
- **List Item Background:** #003161 (Dark Blue)
- **List Item Text Color:** #FFF4B7 (Light Yellow)

Fonts:

- **Title Font:** Default system font with `fontSize: 41`, `fontWeight: bold`
- **List Item Font:** Default system font with `color: #FFF4B7`

3. Code Used

3.1 Main App Component

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

export default function App() {
  const [goalText, setGoalText] = useState("");
  const [goalList, setGoalList] = useState([]);

  const addGoalHandler = () => {
    if (goalText.trim() === "") return;
    setGoalList([ ... goalList, { id: Math.random().toString(), text: goalText }]);
    setGoalText("");
  };

  return (
    <View style={styles.container}>
      <Text style={styles.title}>To-Do List</Text>
      <View style={styles.inputContainer}>
        <TextInput
          style={styles.input}
          placeholder="Enter goal"
        />
      </View>
    </View>
  );
}
```

```

        value={goalText}
        onChangeText={setGoalText}
      />
      <Button title="ADD GOAL" onPress={addGoalHandler} />
    </View>
    <FlatList
      data={goalList}
      keyExtractor={({item}) => item.id}
      renderItem={({ item }) => <Text style={styles.listItem}>{item.text}</Text>}
    />
  />
</View>
);
};

```

3.2 Styling Used

```

const styles = StyleSheet.create({
  container: {
    flex: 1,
    padding: 20,
    marginTop: 50,
  },
  title: {
    fontSize: 41,
    fontWeight: "bold",
    backgroundColor: '#003161',
    color: '#FFF4B7',
    textAlign: "center",
    marginBottom: 10,
  },
  inputContainer: {
    flexDirection: "row",
    alignItems: "center",
    marginBottom: 10,
  },
  input: {
    flex: 1,
    borderWidth: 1,
    borderColor: "#006A67",
    padding: 10,
    marginRight: 10,
    borderRadius: 5,
  },
  listItem: {

```

```
padding: 10,  
marginVertical: 5,  
backgroundColor: "#003161",  
color: '#FFF4B7',  
borderRadius: 5,  
},  
});
```

4. Conclusion

This project is a simple React Native **To-Do List** app that allows users to add and view goals. The app uses **React Native components**, **state management with** `useState`, and a `FlatList` **for rendering goals efficiently**. The design follows a minimalistic approach with a clean user interface, incorporating a dark blue and light yellow theme.