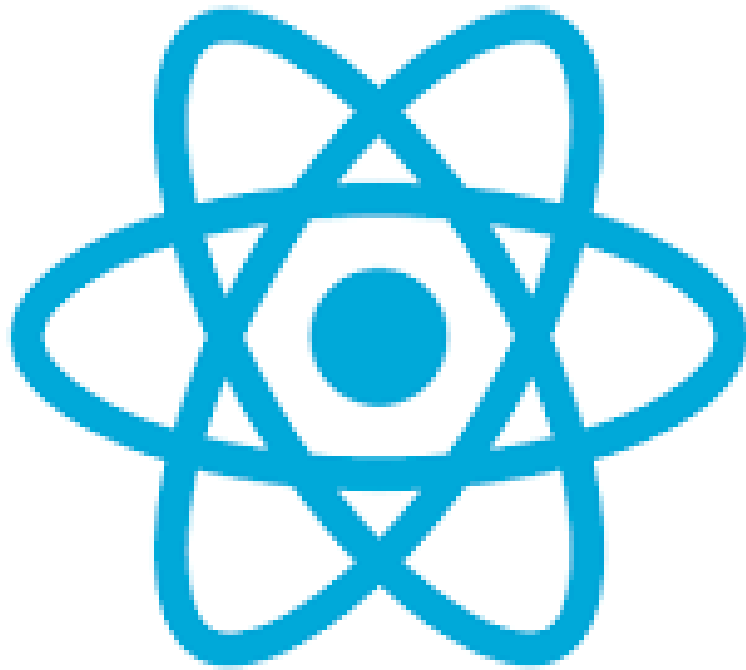


React Native

Assignment 01

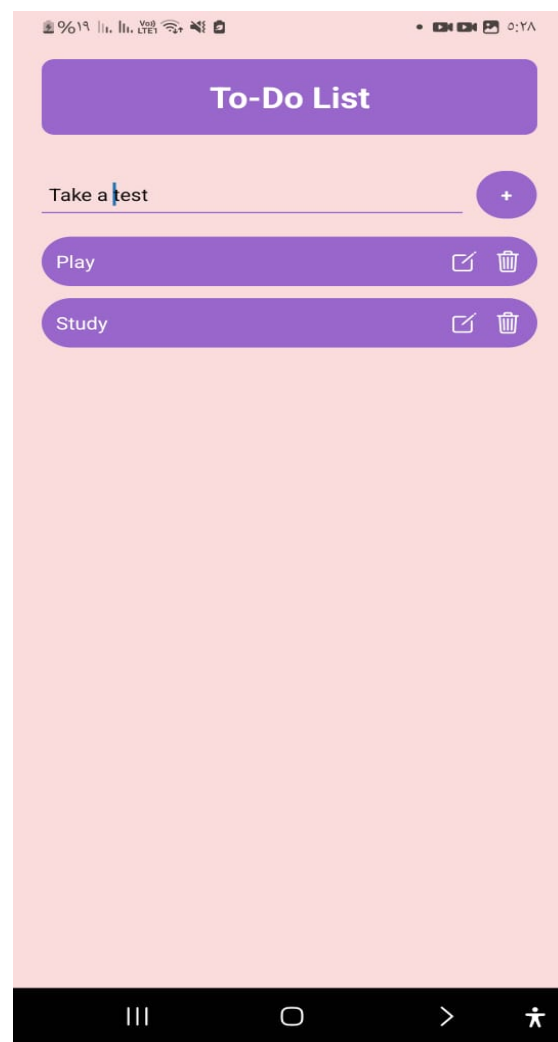
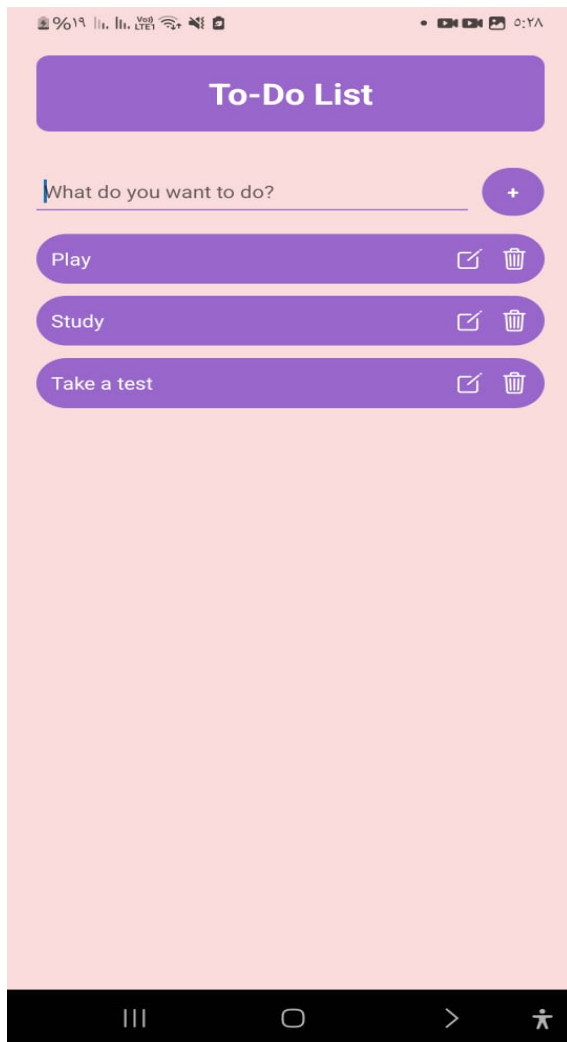


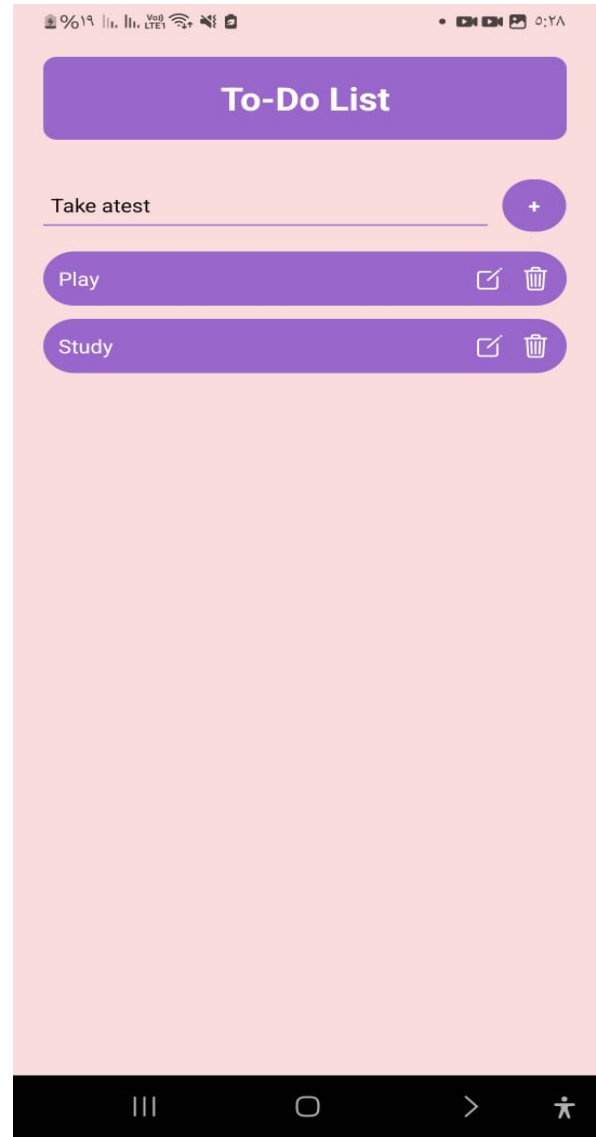
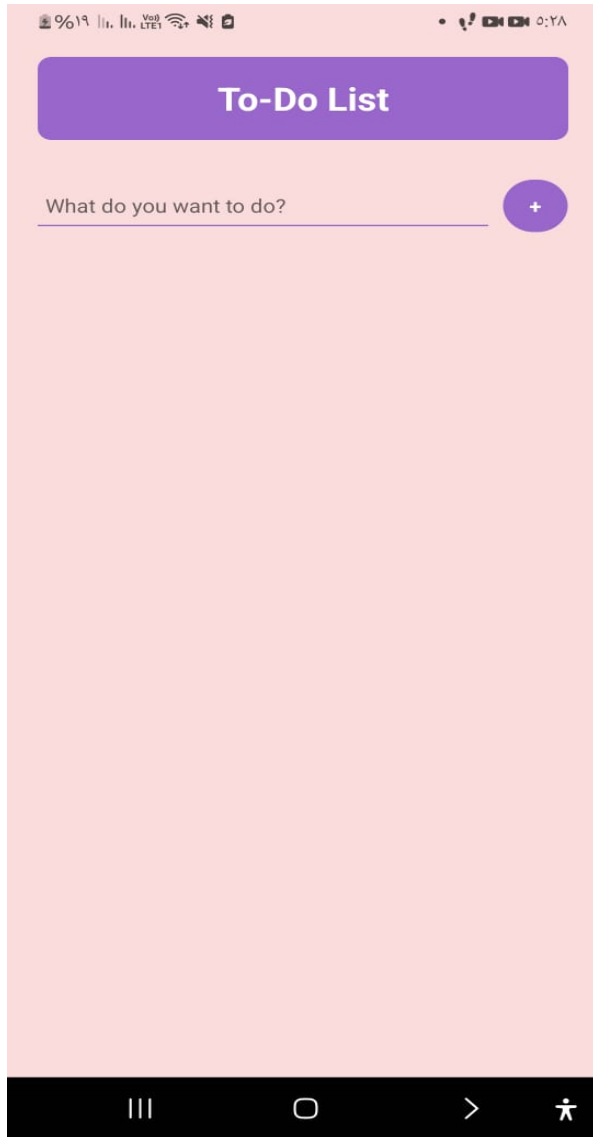
React Native

Name: Tassnem Abdelrahman Hamed

Department: Computer

1. Screenshots of my Design:





2. Colors and Fonts used in my project?

Colors

Element	Color Code	Description
Background	#FADCDC	A soft pastel pink
Header (Title)	#9966CC	A rich Purple
Input Border	#9966CC	A rich Purple
Add Button	#9966CC	A rich Purple
Goal Item	#9966CC	A rich Purple
Text (Buttons & Goals)	#FFFFFF	White Text

Fonts

1. Custom Font: Freedom-10eM.ttf

- Imported using Expo-Font (useFonts)
- Applied to Header (To-Do List)

2. Default Fonts (Fallback)

- Used in Inputs, Buttons, and List Items

3. Code

```
import React, { useState } from 'react';
import { View, Text, TextInput, FlatList, StyleSheet, TouchableOpacity, Alert } from 'react-native';
import { useFonts } from 'expo-font';
import Ionicons from 'react-native-vector-icons/Ionicons';

export default function App() {
  const [goal, setGoal] = useState('');
  const [goals, setGoals] = useState([]);

  const addGoalHandler = () => {
    if (goal.trim().length > 0) {
      setGoals(currentGoals => [...currentGoals, { id: Math.random().toString(), text: goal }]);
      setGoal('');
    }
  };

  const deleteGoalHandler = (id) => {
    setGoals(currentGoals => currentGoals.filter(goal => goal.id !== id));
  };

  const editGoalHandler = (id) => {
    const goalToEdit = goals.find(goal => goal.id === id);
    if (goalToEdit) {
      setGoal(goalToEdit.text);
      setGoals(currentGoals => currentGoals.filter(goal => goal.id !== id));
    }
  };

  const [fontsLoaded] = useFonts({
    'CustomFont': require('./assets/fonts/Freedom-10eM.ttf'),
  });

  if (!fontsLoaded) {
    return <Text>Loading...</Text>;
  }
}
```

```

return (
  <View style={styles.container}>
    <Text style={styles.header}>To-Do List</Text>
    <View style={styles.inputContainer}>
      <TextInput
        style={styles.input}
        placeholder="What do you want to do?"
        value={goal}
        onChangeText={setGoal}
      />
      <TouchableOpacity style={styles.addButton} onPress={addGoalHandler}>
        <Text style={styles.addButtonText}> + </Text>
      </TouchableOpacity>
    </View>
    <FlatList
      data={goals}
      keyExtractor={({item}) => item.id}
      renderItem={({ item }) => (
        <View style={styles.goalItem}>
          <Text style={styles.goalText}>{item.text}</Text>
          <View style={styles.iconContainer}>
            <TouchableOpacity onPress={() => editGoalHandler(item.id)}>
              <Ionicons name="create-outline" size={20} color="white" />
            </TouchableOpacity>
            <TouchableOpacity onPress={() => deleteGoalHandler(item.id)}>
              <Ionicons name="trash-outline" size={20} color="white" />
            </TouchableOpacity>
          </View>
        </View>
      )}
    />
  </View>
);
}

```

```
const styles = StyleSheet.create({
  container: {
    flex: 1,
    padding: 20,
    backgroundColor: '#FADCDC',
  },
  header: {
    fontSize: 24,
    fontWeight: 'bold',
    textAlign: 'center',
    marginBottom: 30,
    marginTop: 20,
    color: '#fff',
    backgroundColor: '#9966CC',
    padding: 15,
    borderRadius: 9,
    fontFamily: 'CustomFont',
  },
  inputContainer: {
    flexDirection: 'row',
    justifyContent: 'space-between',
    alignItems: 'center',
    marginBottom: 10,
  },
  input: {
    borderBottomWidth: 1,
    borderBottomColor: '#9966CC',
    flex: 1,
    marginRight: 10,
    padding: 5,
  },
  addButton: {
    backgroundColor: '#9966CC',
    padding: 10,
    borderRadius: 20,
  },
  addButtonText: {
    color: '#fff',
    fontWeight: 'bold',
  },
  goalItem: {
    backgroundColor: '#9966CC',
    padding: 10,
```

```
marginVertical: 5,  
borderRadius: 35,  
flexDirection: 'row',  
justifyContent: 'space-between',  
alignItems: 'center',  
},  
goalText: {  
  color: '#fff',  
  flex: 1,  
},  
iconContainer: {  
  flexDirection: 'row',  
  gap: 10,  
},  
});
```