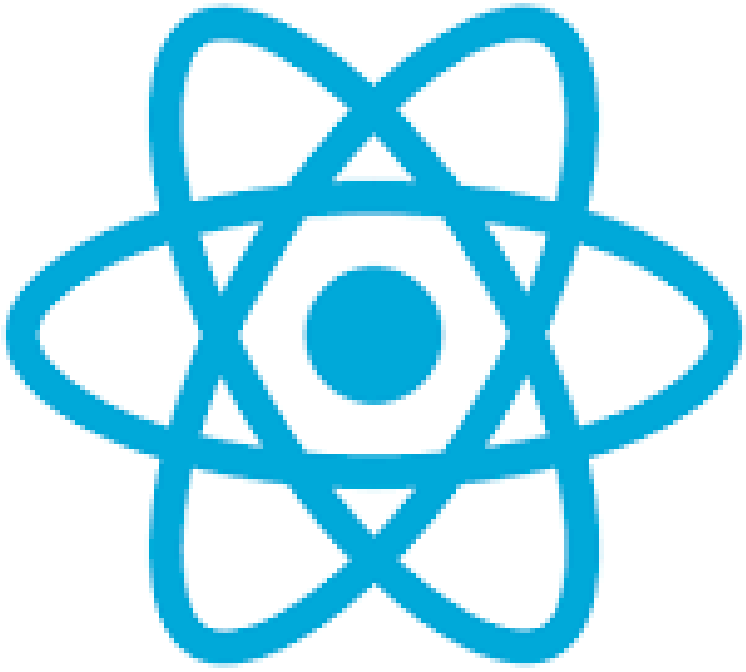
React Native

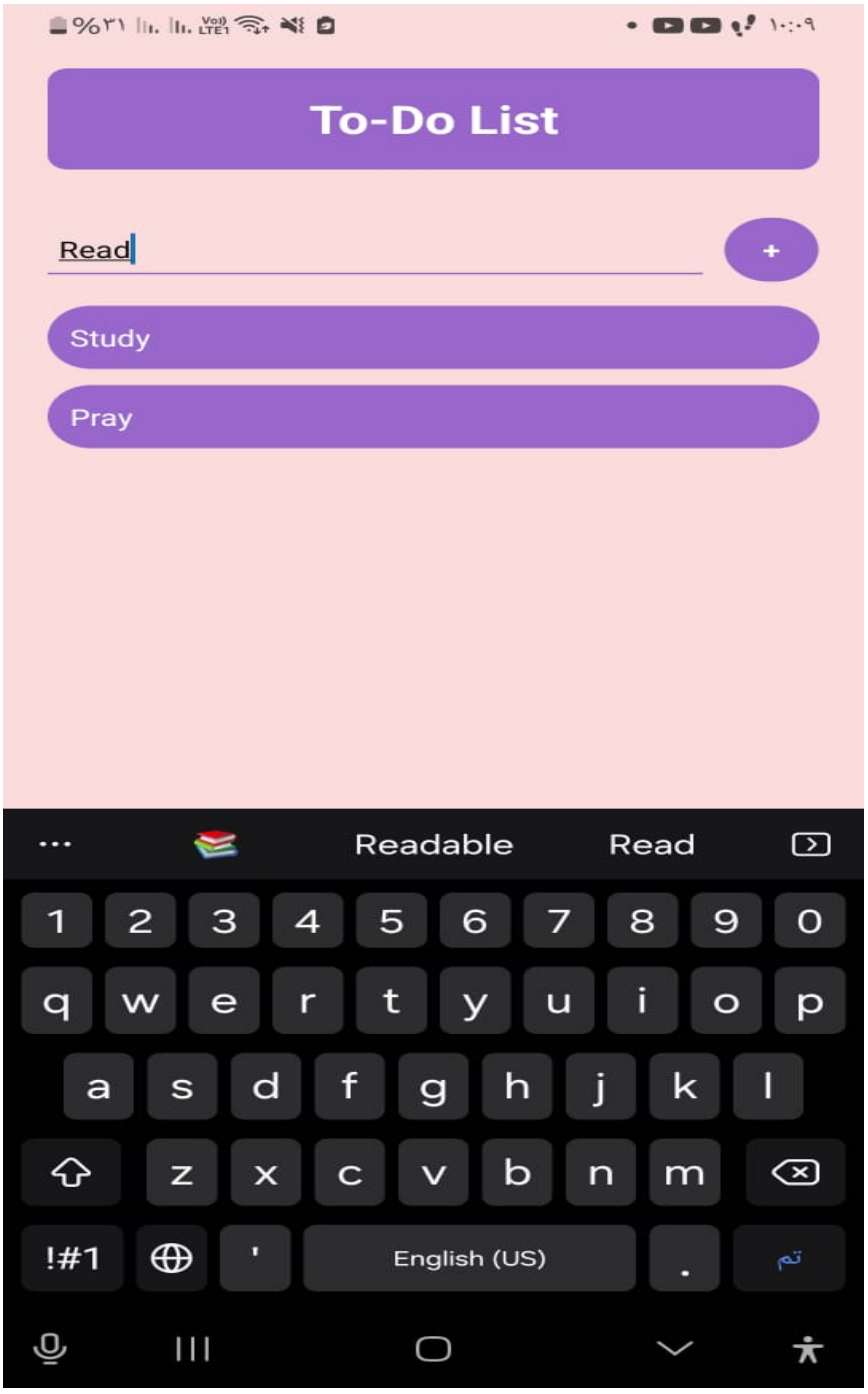
Assignment 01

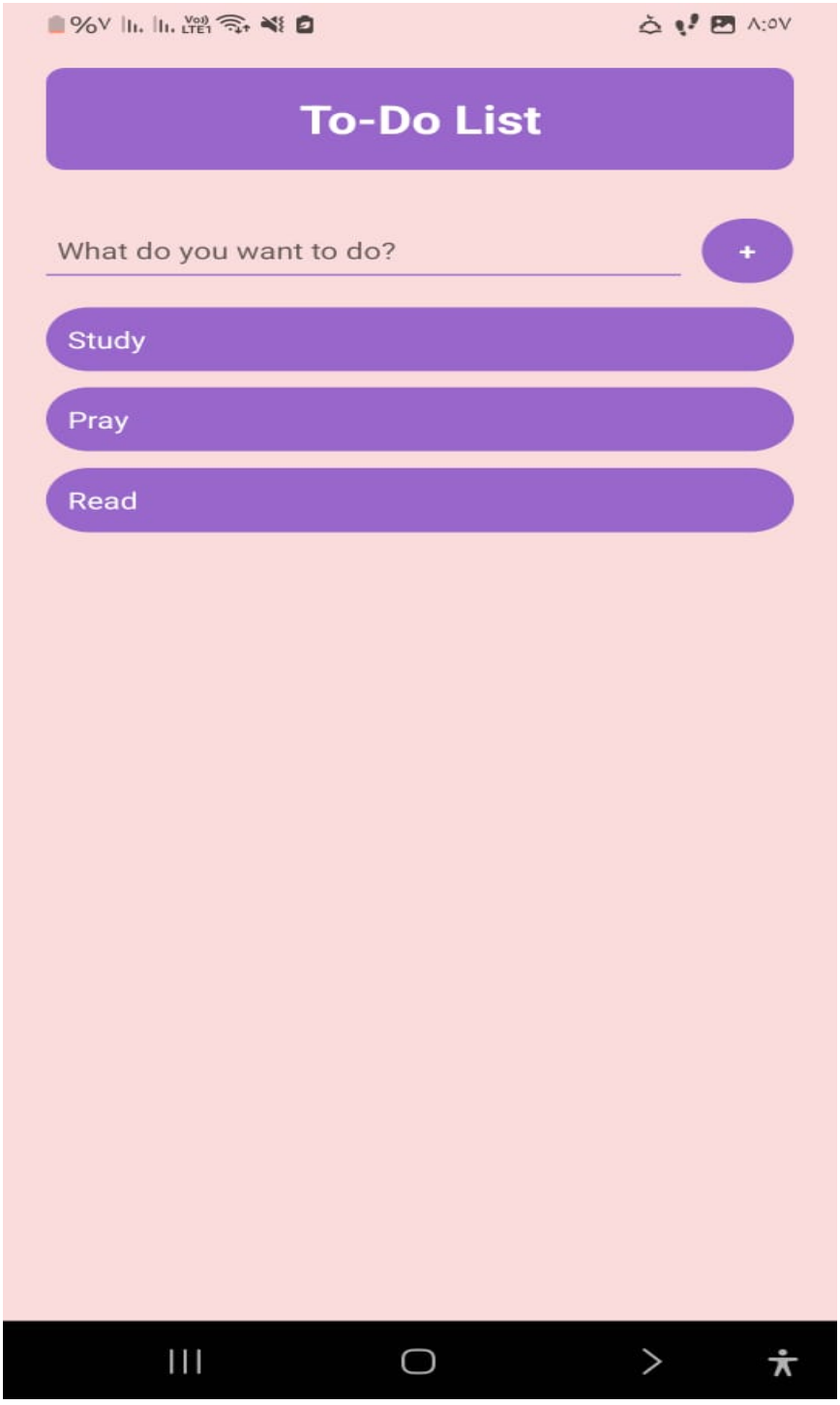


Name: Tassnem Abdelrahman Hamed

Department: Computer

1. Screenshots of my Design:

2. 


To-Do List
What do you want to do?
+
Study
Pray
Read

3. 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

4. Code

```
import React, { useState } from 'react';
import { View, Text, TextInput, Button, FlatList, StyleSheet, TouchableOpacity } from 'react-
native';
import { useFonts } from 'expo-font';

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

  const addGoalHandler = () => {
    if (goal.trim().length > 0) {
      setGoals(currentGoals => [...currentGoals, goal]);
      setGoal('');
    }
  };

  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}
        renderItem={({ item }) => (
          <View style={styles.goalItem}>
            <Text style={styles.goalText}>{item}</Text>
          </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,
  },
  goalText: {
    color: '#fff',
  },
});
```