

**MOBILE APPLICATION DEVELOPMENT**

**THEORY ASSIGNMENT 04**

**NAME:**

**Muhammad Aamir Bin Habib**

**REG. NO:**

**FA20-BCS-010**

**CLASS:**

**BCS-6B**

**SUBMITTED TO:**

**Mr. MUHAMMAD KAMRAN**

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**CODE**

import React, { useState } from "react";

import {

  Text,

  View,

  StyleSheet,

  TextInput,

  TouchableOpacity,

  Image,

} from "react-native";

import { NavigationContainer } from "@react-navigation/native";

import { createStackNavigator } from "@react-navigation/stack";

import AsyncStorage from "@react-native-async-storage/async-storage";

const signUpScreen = ({ navigation }) => {

  const [name, setName] = useState("");

  const [email, setEmail] = useState("");

  const [phoneNumber, setPhoneNumber] = useState("");

  const [password, setPassword] = useState("");

  const [confirmPassword, setConfirmPassword] = useState("");

  const handleSignUp = async () => {

    if (!name || !email || !phoneNumber || !password || !confirmPassword) {

      window.alert("Please fill in all fields");

      return;

    }

    if (password !== confirmPassword) {

      window.alert("Passwords do not match");

      return;

    }

    // Store user information in local storage

    try {

      const userData = {

        name,

        email,

        phoneNumber,

        password,

      };

      await AsyncStorage.setItem("userData", JSON.stringify(userData));

      navigation.navigate("Login");

    } catch (error) {

      window.alert("Error storing user data: ", error);

    }

  };

  return (

    <View style={styles.container}>

      <Text style={styles.welcomeText}>Welcome To Straight Drive</Text>

      <Text style={styles.signUpText}>Sign Up</Text>

      <TextInput

        placeholder="Enter Name"

        style={styles.input}

        value={name}

        onChangeText={(text) => setName(text)}

      />

      <TextInput

        placeholder="Enter Email"

        style={styles.input}

        value={email}

        onChangeText={(text) => setEmail(text)}

      />

      <TextInput

        placeholder="Enter Phone Number"

        style={styles.input}

        value={phoneNumber}

        onChangeText={(text) => setPhoneNumber(text)}

      />

      <TextInput

        placeholder="Enter Password"

        style={styles.input}

        secureTextEntry

        value={password}

        onChangeText={(text) => setPassword(text)}

      />

      <TextInput

        placeholder="Confirm Password"

        style={styles.input}

        secureTextEntry

        value={confirmPassword}

        onChangeText={(text) => setConfirmPassword(text)}

      />

      <TouchableOpacity style={styles.button} onPress={handleSignUp}>

        <Text style={styles.buttonText}>Sign Up</Text>

      </TouchableOpacity>

      <TouchableOpacity onPress={() => navigation.navigate("Login")}>

        <Text style={styles.moveToLoginText}>Already have an account?</Text>

      </TouchableOpacity>

    </View>

  );

};

const loginScreen = ({ navigation }) => {

  const [email, setEmail] = useState("");

  const [password, setPassword] = useState("");

  const handleLogin = async () => {

    if (!email || !password) {

      window.alert("Please fill in all fields");

      return;

    }

    // Retrieve user information from local storage

    try {

      const userData = await AsyncStorage.getItem("userData");

      if (userData) {

        const parsedUserData = JSON.parse(userData);

        if (

          email === parsedUserData.email &&

          password === parsedUserData.password

        ) {

          navigation.navigate("Profile");

        } else {

          window.alert("Invalid email or password");

        }

      } else {

        window.alert("User not found");

      }

    } catch (error) {

      window.alert("Error retrieving user data: ", error);

    }

  };

  return (

    <View style={styles.container}>

      <Text style={styles.signUpText}>Login</Text>

      <TextInput

        placeholder="Enter Email"

        style={styles.input}

        value={email}

        onChangeText={(text) => setEmail(text)}

      />

      <TextInput

        placeholder="Enter Password"

        style={styles.input}

        secureTextEntry

        value={password}

        onChangeText={(text) => setPassword(text)}

      />

      <TouchableOpacity style={styles.button} onPress={handleLogin}>

        <Text style={styles.buttonText}>Login</Text>

      </TouchableOpacity>

      <TouchableOpacity onPress={() => navigation.navigate("SignUp")}>

        <Text style={styles.moveToLoginText}>Don't have an account?</Text>

      </TouchableOpacity>

    </View>

  );

};

const profileScreen = () => {

  return (

    <View>

      <Text

        style={{

          fontSize: 23,

          fontWeight: "800",

          marginTop: 10,

          marginBottom: 10,

          marginLeft: 10,

        }}

      >

        AamirHabib17

      </Text>

      <View style={{ flex: 0.5, flexDirection: "row" }}>

        <Image

          style={{

            width: 80,

            height: 80,

            marginLeft: 10,

            borderRadius: "100%",

          }}

          source={require("./assets/images/aamir-DP.png")}

        ></Image>

        <View style={{ marginLeft: "25px", flexDirection: "row" }}>

          <View style={{ marginTop: "20px", marginLeft: "25px" }}>

            <Text style={{ fontWeight: "500" }}>26</Text>

            <Text style={{ fontWeight: "500" }}>Posts</Text>

          </View>

          <View style={{ marginTop: "20px", marginLeft: "25px" }}>

            <Text style={{ fontWeight: "500" }}>387</Text>

            <Text style={{ fontWeight: "500" }}>Followers</Text>

          </View>

          <View style={{ marginTop: "20px", marginLeft: "25px" }}>

            <Text style={{ fontWeight: "500" }}>1,548</Text>

            <Text style={{ fontWeight: "500" }}>Following</Text>

          </View>

        </View>

      </View>

      <View>

        <Text style={{ marginLeft: 10, fontWeight: "500" }}>Aamir Habib</Text>

        <Text style={{ marginLeft: 10, fontWeight: "500" }}>Student</Text>

        <Text style={{ marginLeft: 10, fontWeight: "500" }}>Comsian</Text>

        <Text style={{ marginLeft: 10, fontWeight: "500" }}>Ex Fazaian</Text>

        <Text style={{ marginLeft: 10, fontWeight: "500" }}>Dream PMA</Text>

        <Text style={{ marginLeft: 10, fontWeight: "500" }}>

          Death Before Disgrace

        </Text>

      </View>

      <TouchableOpacity

        style={{

          flexDirection: "row",

          justifyContent: "space-around",

          marginTop: 15,

          marginBottom: 15,

          backgroundColor: "black",

          height: 40,

          alignItems: "center",

        }}

      >

        <Text style={{ color: "white" }}>Edit Profile</Text>

        <Text style={{ color: "white" }}>Share Profile</Text>

      </TouchableOpacity>

      <View

        style={{

          flex: 1,

          flexDirection: "row",

          justifyContent: "space-around",

          marginTop: 5,

          marginBottom: 5,

        }}

      >

        <Image

          style={{ width: "50%", height: "200px" }}

          source={require("./assets/images/aamir-2.png")}

        ></Image>

        <Image

          style={{ width: "50%", height: "200px" }}

          source={require("./assets/images/aamir-4.png")}

        ></Image>

      </View>

      <View

        style={{

          flex: 1,

          flexDirection: "row",

          justifyContent: "space-around",

          marginTop: 5,

          marginBottom: 5,

        }}

      >

        <Image

          style={{ width: "50%", height: "200px" }}

          source={require("./assets/images/aamir-3.png")}

        ></Image>

        <Image

          style={{ width: "50%", height: "200px" }}

          source={require("./assets/images/aamir-DP.png")}

        ></Image>

      </View>

      <View

        style={{

          flex: 1,

          flexDirection: "row",

          justifyContent: "space-around",

          marginTop: 5,

          marginBottom: 5,

        }}

      >

        <Image

          style={{ width: "50%", height: "200px" }}

          source={require("./assets/images/aamir-2.png")}

        ></Image>

        <Image

          style={{ width: "50%", height: "200px" }}

          source={require("./assets/images/aamir-4.png")}

        ></Image>

      </View>

    </View>

  );

};

const Stack = createStackNavigator();

export default function App() {

  return (

    <NavigationContainer>

      <Stack.Navigator screenOptions={{

          headerStyle: {

            backgroundColor: "black",

            textAlign: "center",

            flex: 1,

          },

          headerTintColor: "#fff",

          headerTitleStyle: {

            textAlign: "center",

            fontWeight: "bold",

            fontFamily: "Cormorant",

            fontSize: 20,

          },

        }}>

        <Stack.Screen name="SignUp" component={signUpScreen} />

        <Stack.Screen name="Login" component={loginScreen} />

        <Stack.Screen name="Profile" component={profileScreen} />

      </Stack.Navigator>

    </NavigationContainer>

  );

}

const styles = StyleSheet.create({

  container: {

    flex: 1,

    backgroundColor: "#F3F3F3",

    justifyContent: "center",

    alignItems: "center",

  },

  welcomeText: {

    fontSize: 30,

    fontWeight: "700",

    fontStyle: "italic",

    paddingBottom: 10,

  },

  signUpText: {

    fontSize: 28,

    fontWeight: "600",

    paddingBottom: 10,

  },

  input: {

    width: "80%",

    height: 50,

    borderWidth: 1,

    borderColor: "gray",

    marginTop: 10,

    padding: 10,

    borderRadius: 10,

    marginBottom: 8,

    fontSize: 15,

  },

  button: {

    backgroundColor: "black",

    borderRadius: 10,

    height: 50,

    width: "80%",

    marginTop: 10,

    justifyContent: "center",

    alignItems: "center",

  },

  buttonText: {

    color: "white",

    fontSize: 20,

    fontWeight: "600",

  },

  moveToLoginText: {

    paddingTop: 10,

    fontSize: 18,

  },

});

**OUTPUT**

**A screenshot of a login screen

Description automatically generated with medium confidence** **A screenshot of a login form

Description automatically generated with medium confidence**

**A screenshot of a login screen

Description automatically generated with medium confidence** **A screenshot of a login screen

Description automatically generated with medium confidence**

**A screenshot of a social media profile

Description automatically generated**