Comsats University Islamabad Attock Campus

Assignment No: 03

Mobile App Development

Submitted to

Mr.Kamran

Submitted by

Rimsha Aqeel
SP22-BSE-040

```
import React, { useState } from 'react';
import { View, Text, TextInput, StyleSheet, TouchableOpacity, Alert, ScrollView,
Image } from 'react-native';
import { NavigationContainer } from '@react-navigation/native';
import { createStackNavigator } from '@react-navigation/stack';

const Stack = createStackNavigator();

const SignupScreen = ({ navigation }) => {
  const [formData, setFormData] = useState({
    username: '',
    email: '',
    phone: '',
    password: '',
  });

  const validateSignup = () => {
    const usernameRegex = /^[A-Za-z]+$/; // Only alphabets
    const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/; // Email format
    const phoneRegex = /^\+92-3\d{2}-\d{7}$/; // +92-3xx-xxxxxxx format
    const { username, email, phone, password } = formData;

    if (!usernameRegex.test(username)) {
      Alert.alert('Validation Error', 'Username must contain only alphabets.');
      return false;
    }
    if (!emailRegex.test(email)) {
      Alert.alert('Validation Error', 'Please enter a valid email.');
      return false;
    }
    if (!phoneRegex.test(phone)) {
      Alert.alert('Validation Error', 'Phone number must match +92-3xx-xxxxxxx
format.');
      return false;
    }
    if (password.length < 6) {
      Alert.alert('Validation Error', 'Password must be at least 6 characters
long.');
      return false;
    }
    return true;
  };

  const handleSignup = () => {
    if (validateSignup()) {
```

```
      Alert.alert('Success', 'Signup successful!');
      navigation.navigate('Login');
    }
  };

  return (
    <ScrollView style={styles.container}>
      <Text style={styles.header}>Signup</Text>
      <TextInput
        style={styles.input}
        placeholder="Username"
        value={formData.username}
        onChangeText={(text) => setFormData({ ...formData, username: text })}
      />
      <TextInput
        style={styles.input}
        placeholder="Email"
        keyboardType="email-address"
        value={formData.email}
        onChangeText={(text) => setFormData({ ...formData, email: text })}
      />
      <TextInput
        style={styles.input}
        placeholder="Phone (+92-3xx-xxxxxxx)"
        keyboardType="phone-pad"
        value={formData.phone}
        onChangeText={(text) => setFormData({ ...formData, phone: text })}
      />
      <TextInput
        style={styles.input}
        placeholder="Password"
        secureTextEntry
        value={formData.password}
        onChangeText={(text) => setFormData({ ...formData, password: text })}
      />
      <TouchableOpacity style={styles.button} onPress={handleSignup}>
        <Text style={styles.buttonText}>Signup</Text>
      </TouchableOpacity>
    </ScrollView>
  );
};

const LoginScreen = ({ navigation }) => {
  const [formData, setFormData] = useState({
    email: '',
```

```
    password: '',
  });

  const validateLogin = () => {
    const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/; // Email format
    const { email, password } = formData;

    if (!emailRegex.test(email)) {
      Alert.alert('Validation Error', 'Please enter a valid email.');
      return false;
    }
    if (password.length < 6) {
      Alert.alert('Validation Error', 'Password must be at least 6 characters
long.');
      return false;
    }
    return true;
  };

  const handleLogin = () => {
    if (validateLogin()) {
      Alert.alert('Success', 'Login successful!');
      navigation.navigate('Profile');
    }
  };

  return (
    <ScrollView style={styles.container}>
      <Text style={styles.header}>Login</Text>
      <TextInput
        style={styles.input}
        placeholder="Email"
        keyboardType="email-address"
        value={formData.email}
        onChangeText={(text) => setFormData({ ...formData, email: text })}
      />
      <TextInput
        style={styles.input}
        placeholder="Password"
        secureTextEntry
        value={formData.password}
        onChangeText={(text) => setFormData({ ...formData, password: text })}
      />
      <TouchableOpacity style={styles.button} onPress={handleLogin}>
        <Text style={styles.buttonText}>Login</Text>
```

```
      </TouchableOpacity>
    </ScrollView>
  );
};

const ProfileScreen = () => {
  return (
    <ScrollView style={styles.container}>
      <Text style={styles.header}>My Profile</Text>
      <View style={styles.userInfo}>
        <Image source={{ uri: 'https://via.placeholder.com/100' }}
style={styles.profileImage} />
        <Text style={styles.userName}>Rimsha Aqeel</Text>
      </View>
    </ScrollView>
  );
};
const orderData = [
  {
    name: 'Pizza, Coke, Berries',
    date: '21, Thu 10:00',
    price: '38.15',
    image: 'https://via.placeholder.com/50',
  },
  {
    name: 'Chicken Steak, Pepperoni Moo, Cheese Potato',
    date: '15, Fri 18:00',
    price: '38.15',
    image: 'https://via.placeholder.com/50',
  },
  {
    name: 'Beef Burger, Pasta, French Fries',
    date: '11, Mon 10:00',
    price: '30.50',
    image: 'https://via.placeholder.com/50',
  },
];



const App = () => {
  return (
    <NavigationContainer>
      <Stack.Navigator initialRouteName="Signup">
        <Stack.Screen name="Signup" component={SignupScreen} />
```

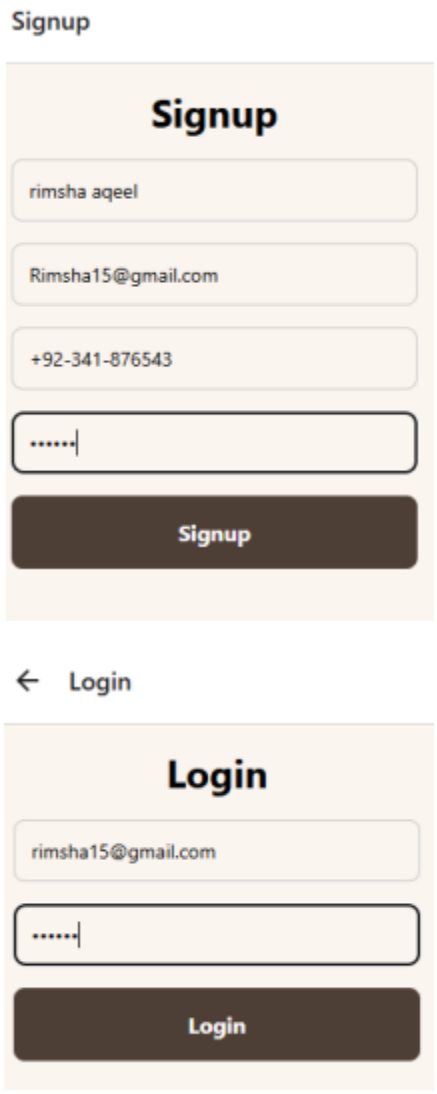
```
        <Stack.Screen name="Login" component={LoginScreen} />
        <Stack.Screen name="Profile" component={ProfileScreen} />
      </Stack.Navigator>
    </NavigationContainer>
  );
};

const styles = StyleSheet.create({
  container: {
    flex: 1,
    padding: 16,
    backgroundColor: '#FAF5EF',
  },
  header: {
    fontSize: 28,
    fontWeight: 'bold',
    marginBottom: 16,
    textAlign: 'center',
  },
  input: {
    borderWidth: 1,
    borderColor: '#ccc',
    borderRadius: 8,
    padding: 12,
    marginBottom: 16,
  },
  button: {
    backgroundColor: '#4D3F36',
    padding: 16,
    borderRadius: 8,
    alignItems: 'center',
  },
  buttonText: {
    color: '#FFFFFF',
    fontSize: 16,
    fontWeight: 'bold',
  },
  userInfo: {
    alignItems: 'center',
    marginTop: 32,
  },
  profileImage: {
    width: 100,
    height: 100,
    borderRadius: 50,
```

```
    marginBottom: 16,
  },
  userName: {
    fontSize: 18,
    fontWeight: '600',
  },
});

export default App;
```

Output:



← Profile

My Profile

Rimsha Aqeel