COMSATS UNIVERSITY ISLAMABAD ATTOCK CAMPUS



(ASSIGNMENT 04)

NAME:

Muhammad Sufyan

REG NO:

SP22-BSE-045

SUBMITTED TO:

Mr. Muhammad Kamran

SUBJECT:

(MAD)

DATE:

10th December 2024

Code:

```
import React, { useState } from 'react';
import { View, Text, TextInput, Button, StyleSheet, Alert,
ScrollView, Image } from 'react-native';
import { NavigationContainer } from '@react-
navigation/native';
import { createStackNavigator } from '@react-
navigation/stack';
// Signup Screen
const SignupScreen = ({ navigation }) => {
 const [username, setUsername] = useState(");
 const [email, setEmail] = useState(");
 const [phone, setPhone] = useState(");
 const [password, setPassword] = useState(");
 const validateSignup = () => {
  const is ValidEmail = email.includes('@') &&
email.includes('.');
  const is ValidPhone = phone.startsWith('+923') &&
phone.length === 12;
  const is ValidUsername = /^[a-zA-Z]+$/.test(username);
  if (!isValidUsername) {
   Alert.alert('Invalid Username', 'Username should contain
alphabets only.');
   return;
  if (!isValidEmail) {
   Alert.alert('Invalid Email', 'Please enter a valid email
address.');
```

```
return;
  if (!isValidPhone) {
   Alert.alert('Invalid Phone Number', 'Phone number should
match the format +92-3xx-xxxxxxx.');
   return;
  if (password.length < 8) {
   Alert.alert('Weak Password', 'Password should be at least
8 characters long.');
   return;
  Alert.alert('Signup Successful', 'You can now log in.');
  navigation.navigate('Login');
 };
 return (
  <ScrollView contentContainerStyle={styles.container}>
   <Text style={styles.header}>Signup</Text>
   <TextInput
    style={styles.input}
    placeholder="Username"
    value={username}
    onChangeText={setUsername}
   />
   <TextInput
    style={styles.input}
    placeholder="Email"
    keyboardType="email-address"
    value={email}
    onChangeText={setEmail}
   <TextInput
```

```
style={styles.input}
     placeholder="Phone (+92-3xx-xxxxxxx)"
    keyboardType="phone-pad"
    value={phone}
    onChangeText={setPhone}
   />
   <TextInput
    style={styles.input}
    placeholder="Password"
    secureTextEntry
    value={password}
    onChangeText={setPassword}
   <Button title="Signup" onPress={validateSignup} />
  </ScrollView>
 );
// Login Screen
const LoginScreen = ({ navigation }) => {
 const [email, setEmail] = useState(");
 const [password, setPassword] = useState(");
 const validateLogin = () => {
  if (!email || !password) {
   Alert.alert('Login Failed', 'Please fill in all fields.');
   return;
  Alert.alert('Login Successful', 'Welcome back!');
  navigation.navigate('Profile');
 };
 return (
```

```
<ScrollView contentContainerStyle={styles.container}>
   <Text style={styles.header}>Login</Text>
   <TextInput
    style={styles.input}
    placeholder="Email"
    keyboardType="email-address"
    value={email}
    onChangeText={setEmail}
   />
   <TextInput
    style={styles.input}
    placeholder="Password"
    secureTextEntry
    value={password}
    onChangeText={setPassword}
   <Button title="Login" onPress={validateLogin} />
  </ScrollView>
 );
// Profile Screen
const ProfileScreen = () => {
 return (
  <ScrollView style={styles.container}>
   <View style={styles.profileSection}>
    <Text style={styles.profileHeader}>My Profile</Text>
    <View style={styles.profileInfo}>
      <Image
       source={{ uri: 'https://snack-code-uploads.s3.us-west-
1.amazonaws.com/~asset/0efe994aab7558317ad60fa5b9c879
7e' }}
       style={styles.profileImage}
```

```
/>
      <Text style={styles.profileName}>Muhammad Sufyan
045</Text>
      <View style={styles.statsSection}>
       <View style={styles.stat}>
        <Text style={styles.statNumber}>14.850</Text>
        <Text style={styles.statLabel}>Product Sells</Text>
       </View>
       <View style={styles.stat}>
        <Text style={styles.statNumber}>30bil+</Text>
        <Text style={styles.statLabel}>Earning</Text>
       </View>
      </View>
    </View>
   </View>
  </ScrollView>
 );
// Navigation Setup
const Stack = createStackNavigator();
const App = () \Rightarrow \{
 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: {
  flexGrow: 1,
  justifyContent: 'center',
  padding: 20,
  backgroundColor: '#FFFBEA',
 },
 header: {
  fontSize: 24,
  fontWeight: 'bold',
  marginBottom: 20,
  textAlign: 'center',
 },
 input: {
  borderWidth: 1,
  borderColor: '#ccc',
  borderRadius: 5,
  padding: 10,
  marginBottom: 15,
 },
 profileSection: {
  backgroundColor: '#F6E3C3',
  borderRadius: 10,
  padding: 20,
  marginBottom: 20,
 },
 profileHeader: {
  fontSize: 24,
  fontWeight: 'bold',
```

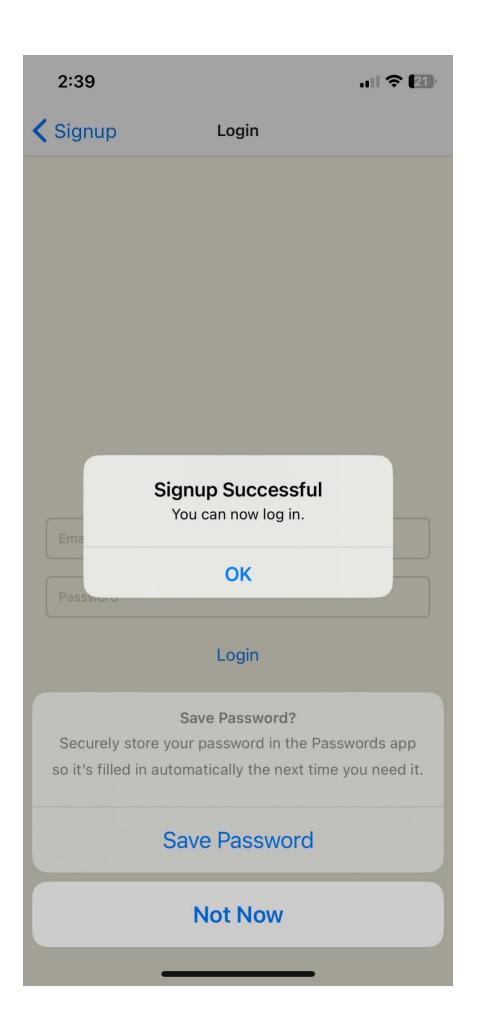
```
},
 profileInfo: {
  alignItems: 'center',
  marginTop: 10,
 },
 profileImage: {
  width: 80,
  height: 80,
  borderRadius: 40,
  marginBottom: 10,
 },
 profileName: {
  fontSize: 16,
  fontWeight: 'bold',
 statsSection: {
  flexDirection: 'row',
  justifyContent: 'space-between',
  marginTop: 10,
  width: '100%',
 stat: {
  alignItems: 'center',
 },
 statNumber: {
  fontSize: 18,
  fontWeight: 'bold',
 statLabel: {
  color: 'gray',
 },
});
```

export default App;					
ScreenShot:					
SignUp:					

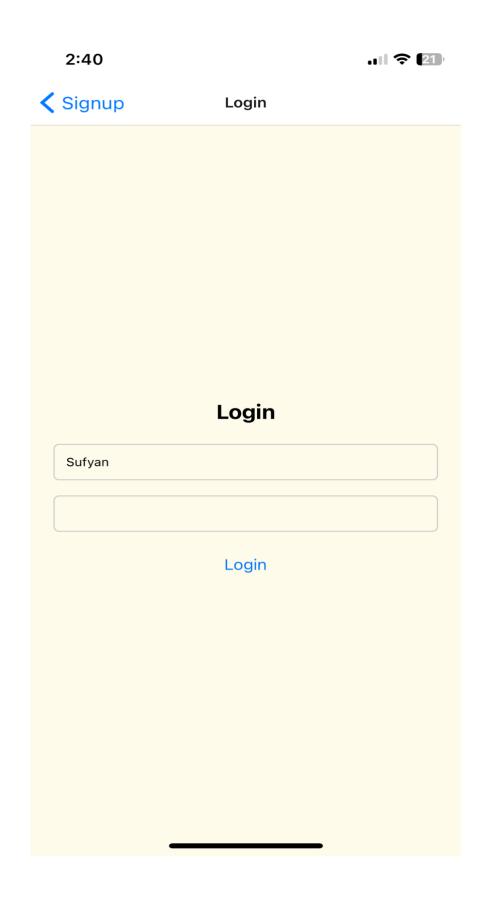
Signup

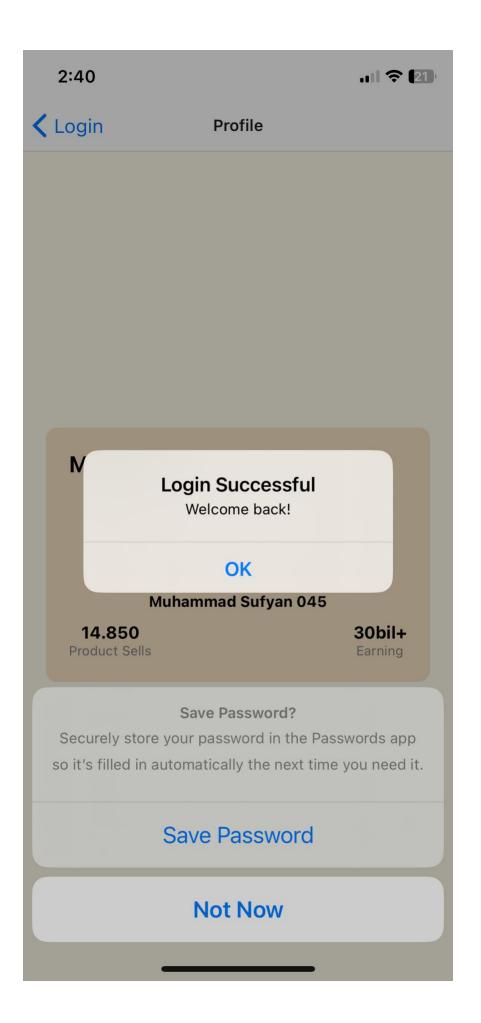
Signup Sufyan Sufyan@22.com +92303866515

Signup



Login:







2:40





Profile

My Profile



Muhammad Sufyan 045

14.850 Product Sells 30bil+

Earning