

Comsats University Islamabad Attock Campus

Assignment No: 03

Mobile App Development

Submitted to

Sir Kamran

Submitted by

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SP22-BSE-050

Code:

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

```

```

        />
        <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}>Laiba Faryal</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:

Signup

Signup

laiba

laiba12@gmail.com

+92-331-1234567

.....|

Signup

← Login

Login

laiba12@gmail.com

.....|

Login

My Profile




Laiba Faryal

14.850
Product Sells

30bil+
Earnings


Recent Orders

[See All](#)

- 


**Pizza, Coke,
Berries**

21, Thu 10:00

\$38.15
- 

**Chicken Steak,
Pepperoni Moo,
Cheese Potato**

15, Fri 18:00

\$38.15
- 

**Beef Burger,
Pasta, French
Fries**

11, Mon 10:00

\$30.50