

***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 isValidEmail = email.includes('@') &&
email.includes('.');
    const isValidPhone = phone.startsWith('+923') &&
phone.length === 12;
    const isValidUsername = /^[a-zA-Z]+$/.test(username);

    if (!isValidUsername) {
      Alert.alert('Invalid Username', 'Username should contain
alphabets only.');
```

```

        return;
    }
    if (!isValidPhone) {
        Alert.alert('Invalid Phone Number', 'Phone number should
match the format +92-3xx-xxxxxxx.');
```

match the format +92-3xx-xxxxxxx.');

```

        return;
    }
    if (password.length < 8) {
        Alert.alert('Weak Password', 'Password should be at least
8 characters long.');
```

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/0efe994aab7558317ad60fa5b9c8797e' }}
            style={styles.profileImage}
          />
        </View>
      </View>
    </ScrollView>
  );
};

```

```

    />
    <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 = () => {
  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>
  );
};

```

```
    </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:

2:39



Signup

Signup

Sufyan

Sufyan@22.com

+92303866515

[Signup](#)

2:39



[< Signup](#)

[Login](#)

Signup Successful

You can now log in.

[OK](#)

Email

Password

[Login](#)

Save Password?

Securely store your password in the Passwords app so it's filled in automatically the next time you need it.

[Save Password](#)

[Not Now](#)

Login:

2:40

21

[< Signup](#)

Login

Login

Sufyan

Login

2:40



< Login

Profile

M

Login Successful

Welcome back!

OK

Muhammad Sufyan 045

14.850

Product Sells

30bil+

Earning

Save Password?

Securely store your password in the Passwords app so it's filled in automatically the next time you need it.

Save Password

Not Now

Profile:

2:40



[< Login](#)

Profile

My Profile



Muhammad Sufyan 045

14.850

Product Sells

30bil+

Earning

