ASSIGNMENT 3

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Question:

Add 2 more screens to your Assignment-2

1- Signup Screen

2- Login Screen

Add Navigation to the app to allow navigation from Signup to Login and the 3rd screen you

already designed in Asssignemnt-2

On filling the signup form the user should navigate to login and on folling login form the user

should navigate to 3rd screen.

Must add checks on the forms like

▯ password length,

▯ different characters in text

▯ alphabets only in username

▯ Email format check,

▯ Phone number format check to match +92-3xx-xxxxxxx

Answer:

```
import React, { useState } from 'react';
import { View, Text, TextInput, StyleSheet, TouchableOpacity, FlatList,
Image } from 'react-native';
import { NavigationContainer } from '@react-navigation/native';
import { createStackNavigator } from '@react-navigation/stack';
import { Ionicons } from '@expo/vector-icons';

const Stack = createStackNavigator();

const profileData = {
  name: 'SAAD RAFIQ',
  sells: '14.850',
  earnings: '30b+',
};

const orders = [
  { id: '1', name: 'Beef Burger, Ice Cream, Berries', price: '$38.16',
date: '21Thu 10:00' },
  { id: '2', name: 'Beef Burger, Pepperoni Moo, Cheese Bust', price:
'$38.16', date: '15Fri 18:00' },
  { id: '3', name: 'Beef Burger, Ketchup, French Fries', price: '$30.56',
date: '1Mon 10:00' },
];

function SignupScreen({ navigation }) {
  const [username, setUsername] = useState('');
  const [email, setEmail] = useState('');
  const [password, setPassword] = useState('');
```

```jsx
  const [phone, setPhone] = useState('');

  const validateSignup = () => {
    const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    const phoneRegex = /^\+92-3\d{2}-\d{7}$/;

    if (username.length < 3 || /[^a-zA-Z]/.test(username)) {
      alert('Username must be at least 3 characters and contain alphabets
only.');
      return;
    }
    if (!emailRegex.test(email)) {
      alert('Invalid email format.');
      return;
    }
    if (!phoneRegex.test(phone)) {
      alert('Phone number must match +92-3xx-xxxxxxx format.');
      return;
    }
    if (password.length < 6) {
      alert('Password must be at least 6 characters long.');
      return;
    }

    navigation.navigate('Login');
  };

  return (
    <View style={styles.container}>
      <Text style={styles.header}>Signup</Text>
      <TextInput style={styles.input} placeholder="Username"
value={username} onChangeText={setUsername} />
      <TextInput style={styles.input} placeholder="Email" value={email}
onChangeText={setEmail} />
      <TextInput style={styles.input} placeholder="Phone (+92-3xx-
xxxxxxx)" value={phone} onChangeText={setPhone} />
      <TextInput style={styles.input} placeholder="Password"
value={password} onChangeText={setPassword} secureTextEntry />
      <TouchableOpacity style={styles.button} onPress={validateSignup}>
        <Text style={styles.buttonText}>Signup</Text>
      </TouchableOpacity>
    </View>
  );
}
```

```
function LoginScreen({ navigation }) {
  const [email, setEmail] = useState('');
  const [password, setPassword] = useState('');

  const validateLogin = () => {
    if (email.trim() === '' || password.trim() === '') {
      alert('Both fields are required.');
      return;
    }
    navigation.navigate('Profile');
  };

  return (
    <View style={styles.container}>
      <Text style={styles.header}>Login</Text>
      <TextInput style={styles.input} placeholder="Email" value={email}
onChangeText={setEmail} />
      <TextInput style={styles.input} placeholder="Password"
value={password} onChangeText={setPassword} secureTextEntry />
      <TouchableOpacity style={styles.button} onPress={validateLogin}>
        <Text style={styles.buttonText}>Login</Text>
      </TouchableOpacity>
    </View>
  );
}

function ProfileScreen() {
  const renderOrderItem = ({ item }) => (
    <View style={styles.orderItem}>
      <Image source={{ uri: 'https://via.placeholder.com/50' }}
style={styles.foodImage} />
      <View style={styles.orderDetails}>
        <Text style={styles.orderText}>{item.name}</Text>
        <Text style={styles.orderDate}>{item.date}</Text>
      </View>
      <Text style={styles.orderPrice}>{item.price}</Text>
    </View>
  );

  return (
    <View style={styles.container}>
      <View style={styles.profileHeader}>
        <Image source={{ uri: 'https://via.placeholder.com/100' }}
style={styles.profileImage} />
        <View style={styles.profileInfo}>
```

```
            <Text style={styles.profileName}>{profileData.name}</Text>
            <Text>{profileData.sells} Product Sells</Text>
            <Text>{profileData.earnings} Earnings</Text>
          </View>
        </View>
        <Text style={styles.header}>Recent Orders</Text>
        <FlatList data={orders} renderItem={renderOrderItem}
keyExtractor={(item) => item.id} />
      </View>
    );
  }

export default function 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: 20, backgroundColor: '#f9f9f9' },
  header: { fontSize: 24, fontWeight: 'bold', marginBottom: 20, textAlign:
'center' },
  input: { borderWidth: 1, borderColor: '#ccc', borderRadius: 8, padding:
10, marginBottom: 10 },
  button: { backgroundColor: '#6200ea', padding: 15, borderRadius: 8,
alignItems: 'center' },
  buttonText: { color: '#fff', fontWeight: 'bold' },
  profileHeader: { flexDirection: 'row', alignItems: 'center',
marginBottom: 20 },
  profileImage: { width: 80, height: 80, borderRadius: 40 },
  profileInfo: { marginLeft: 10 },
  orderItem: { flexDirection: 'row', padding: 10, backgroundColor: '#fff',
borderRadius: 8, marginBottom: 10 },
  foodImage: { width: 50, height: 50, marginRight: 10 },
  orderDetails: { flex: 1 },
  orderText: { fontWeight: 'bold' },
  orderDate: { color: '#666' },
  orderPrice: { fontWeight: 'bold', color: '#333' },
});
```
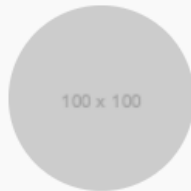
Output:

Signup

Signup

ahmarKhan

user363477@gmail.com

+92-313-9875321

••••••••

Signup

← Login

Login

ahmar123@gmail.com

••••••••

Login

← **Profile**

Ahmar Khan
14.850 Product Sells
30b+ Earnings

Recent Orders

Beef Burger, Ice Cream, Berries $38.16
21Thu 10:00

Beef Burger, Pepperoni Moo, Cheese Bust $38.16
15Fri 18:00

Beef Burger, Ketchup, French Fries $30.56
1Mon 10:00