



ASSIGNMENT 3

Mad



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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('');
```

```

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.');
```

only.');

```

    return;
  }
  if (!emailRegex.test(email)) {
    alert('Invalid email format.');
```

Invalid email format.;

```

    return;
  }
  if (!phoneRegex.test(phone)) {
    alert('Phone number must match +92-3xx-xxxxxxx format.');
```

Phone number must match +92-3xx-xxxxxxx format.;

```

    return;
  }
  if (password.length < 6) {
    alert('Password must be at least 6 characters long.');
```

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

Signup


← Login

Login


Login




hamza alam



14.850 Product
Sells



30b+ Earnings



Recent Orders

See All

- 

50 x 50

Beef Burger, Ice Cream, Berries

21Thu 10:00

\$38.16
- 

50 x 50

Beef Burger, Pepperini Moo, Cheese Bust

15Fri 18:00

\$38.16
- 

50 x 50

Beef Burger, Ketchup, French Fries

1Mon 10:00

\$30.56