



**COMSATS UNIVERSITY
ISLAMABAD ATTOCK CAMPUS**

ASSIGNMENT NO.3

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SUBMITTED BY: MOMINA TARIQ

REGISTRATION NO: SP22-BSE-043

SUBJECT: MOBILE APP DEVELOPMENT

DATED: 10-DECEMBER-2024

Solution:

```
import React, { useState } from 'react';
import { View, Text, TextInput, TouchableOpacity, Alert, StyleSheet, Image,
FlatList } from 'react-native';

import { NavigationContainer } from '@react-navigation/native';
import { createStackNavigator } from '@react-navigation/stack';

const Stack = createStackNavigator();
const SignupScreen = ({ navigation }) => {
  const [name, setName] = useState('');
  const [email, setEmail] = useState('');
  const [phoneNumber, setPhoneNumber] = useState('');
  const [password, setPassword] = useState('');
  const validateEmail = (email) => {
    const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    return emailRegex.test(email);
  };
  const validatePhoneNumber = (number) => {
    const phoneRegex = /^[0-9]{10}$/;
    return phoneRegex.test(number);
  };
  const handleSignup = () => {
    if (!name || !email || !phoneNumber || !password) {
      Alert.alert('Error', 'Please fill in all fields');
    } else if (!validateEmail(email)) {
      Alert.alert('Error', 'Invalid email syntax');
    } else if (!validatePhoneNumber(phoneNumber)) {
      Alert.alert('Error', 'Invalid phone number. It should be 10 digits.');
```

```
    } else if (password.length < 6) {
      Alert.alert('Error', 'Password must be at least 6 characters');
    } else {
      Alert.alert('Success', 'Signup successful!');
      navigation.navigate('Login');
    }
  };
  return (
    <View style={styles.container}>
      <Text style={styles.title}>Signup</Text>
      <TextInput style={styles.input} placeholder="Name" value={name}
onChangeText={setName} />
```

```

        <TextInput style={styles.input} placeholder="Email" keyboardType="email-
address" value={email} onChangeText={setEmail} />
<TextInput style={styles.input} placeholder="Phone Number" keyboardType="phone-
pad" value={phoneNumber} onChangeText={setPhoneNumber} />
        <TextInput style={styles.input} placeholder="Password" secureTextEntry
value={password} onChangeText={setPassword} />
        <TouchableOpacity style={styles.button} onPress={handleSignup}>
            <Text style={styles.buttonText}>Signup</Text>
        </TouchableOpacity>
    </View>
);
};
const LoginScreen = ({ navigation }) => {
    const [email, setEmail] = useState('');
    const [password, setPassword] = useState('');
    const handleLogin = () => {
        if (!email || !password) {
            Alert.alert('Error', 'Please fill in all fields');
        } else {
            Alert.alert('Success', 'Login successful!');
            navigation.navigate('Profile');
        }
    };
    return (
        <View style={styles.container}>
            <Text style={styles.title}>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} />
            <TouchableOpacity style={styles.button} onPress={handleLogin}>
                <Text style={styles.buttonText}>Login</Text>
            </TouchableOpacity>
        </View>
    );
};
const ProfileScreen = () => {
    const profile = {
        name: 'Kari Rasmussen',
        productSells: '14,850',
        earnings: '30bil+',
        profileImage: 'ss.png', // Placeholder for profile image
        productIcon: 'ss1.png', // Placeholder for product icon
        earningIcon: 'ss3.png', // Placeholder for earning icon
    };

```

```

};
const recentOrders = [
{ id: '1', title: 'Beef Burger, Ice Cream, Berries', date: '21, Thu 10:00',
price: '$38.15', image: 'food1.png' },
  { id: '2', title: 'Beef Burger, Pepperoni Moo, Cheese Bust', date: '15, Fri
18:00', price: '$38.15', image: 'food2.png' },
  { id: '3', title: 'Beef Burger, Ketchup, French Fries', date: '11, Mon
10:00', price: '$30.50', image: 'food3.png' },
];
const renderOrder = ({ item }) => (
  <View style={styles.orderItem}>
    <View style={styles.orderLeft}>
      <Image source={{ uri: item.image }} style={styles.orderImage} />
      <View style={styles.orderInfo}>
        <Text style={styles.orderTitle}>{item.title}</Text>
        <Text style={styles.orderDate}>{item.date}</Text>
      </View>
    </View>
    <Text style={styles.orderPrice}>{item.price}</Text>
  </View>
);
return (
  <View style={styles.container}>
    <View style={styles.profileSection}>
      <Text style={styles.title}>My Profile</Text>
      <View style={styles.profileDetails}>
        <Image source={{ uri: profile.profileImage }}
style={styles.profileImage} />
        <Text style={styles.profileName}>{profile.name}</Text>
        <View style={styles.statsContainer}>
          <View style={styles.stat}>
            <Image source={{ uri: profile.productIcon }}
style={styles.statIcon} />
            <Text style={styles.statValue}>{profile.productSells}</Text>
            <Text style={styles.statLabel}>Product Sells</Text>
          </View>
          <View style={styles.stat}>
            <Image source={{ uri: profile.earningIcon }}
style={styles.statIcon} />
            <Text style={styles.statValue}>{profile.earnings}</Text>
            <Text style={styles.statLabel}>Earning</Text>
          </View>
        </View>
      </View>
    </View>
  </View>
);

```

```

    </View>
    <View style={styles.ordersSection}>
      <View style={styles.ordersHeader}>
        <Text style={styles.ordersTitle}>Recent Orders</Text>
        <TouchableOpacity>
          <Text style={styles.seeAll}>See All</Text>
        </TouchableOpacity>
      </View>
      <FlatList data={recentOrders} renderItem={renderOrder}
keyExtractor={({item}) => item.id} />
    </View>
  </View>
);
};
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,
    justifyContent: 'center',
    padding: 20,
    backgroundColor: '#fff',
  },
  title: {
    fontSize: 24,
    fontWeight: 'bold',
    marginBottom: 20,
    textAlign: 'center',
  },
  input: {
    borderWidth: 1,
    borderColor: '#ccc',
    padding: 10,
    marginBottom: 15,
    borderRadius: 5,
  },

```

```
},
button: {
  backgroundColor: '#007BFF',
  padding: 15,
  borderRadius: 5,
  alignItems: 'center',
},
buttonText: {
  color: '#fff',
  fontSize: 16,
  fontWeight: 'bold',
},
profileSection: {
  alignItems: 'center',
  marginBottom: 20,
},
profileDetails: {
  alignItems: 'center',
},
profileImage: {
  width: 70,
  height: 70,
  borderRadius: 35,
  marginBottom: 10,
},
profileName: {
  fontSize: 18,
  fontWeight: 'bold',
  marginBottom: 10,
},
statsContainer: {
  flexDirection: 'row',
  justifyContent: 'space-around',
  width: '100%',
},
stat: {
  alignItems: 'center',
  width: '45%',
},
statIcon: {
  width: 20,
  height: 20,
  marginBottom: 5,
},
```

```
statValue: {
  fontSize: 14,
  fontWeight: 'bold',
},
statLabel: {
  fontSize: 12,
  color: 'grey',
},
ordersSection: {
  flex: 1,
},
ordersHeader: {
  flexDirection: 'row',
  justifyContent: 'space-between',
  marginBottom: 10,
},
ordersTitle: {
  fontSize: 16,
  fontWeight: 'bold',
},
seeAll: {
  color: '#007BFF',
  fontWeight: 'bold',
},
orderItem: {
  backgroundColor: '#000',
  padding: 10,
  borderRadius: 10,
  marginBottom: 10,
  flexDirection: 'row',
  justifyContent: 'space-between',
  alignItems: 'center',
},
orderLeft: {
  flexDirection: 'row',
  alignItems: 'center',
},
orderImage: {
  width: 40,
  height: 40,
  marginRight: 10,
},
orderInfo: {
  flexShrink: 1,
```

```
    },  
    orderTitle: {  
      color: '#fff',  
      fontWeight: 'bold',  
    },  
    orderDate: {  
      color: '#ccc',  
    },  
    orderPrice: {  
      color: '#fff',  
      fontWeight: 'bold',  
    },  
  },  
});  
export default App;
```

Output:

Signup

Signup

Momina

momina@gmail.com

0368765428

.....

Signup

← Login

Login

momina@gmail.com

.....|

Login

My Profile

Kari Rasmussen

14,850
Product
Sells

30bil+
Earning

Recent Orders

[See All](#)

Beef Burger, Ice Cream, Berries

21, Thu 10:00

\$38.15

Beef Burger, Pepperoni Moo, Cheese Bust

15, Fri 18:00

\$38.15

Beef Burger, Ketchup, French Fries

11, Mon 10:00

\$30.50