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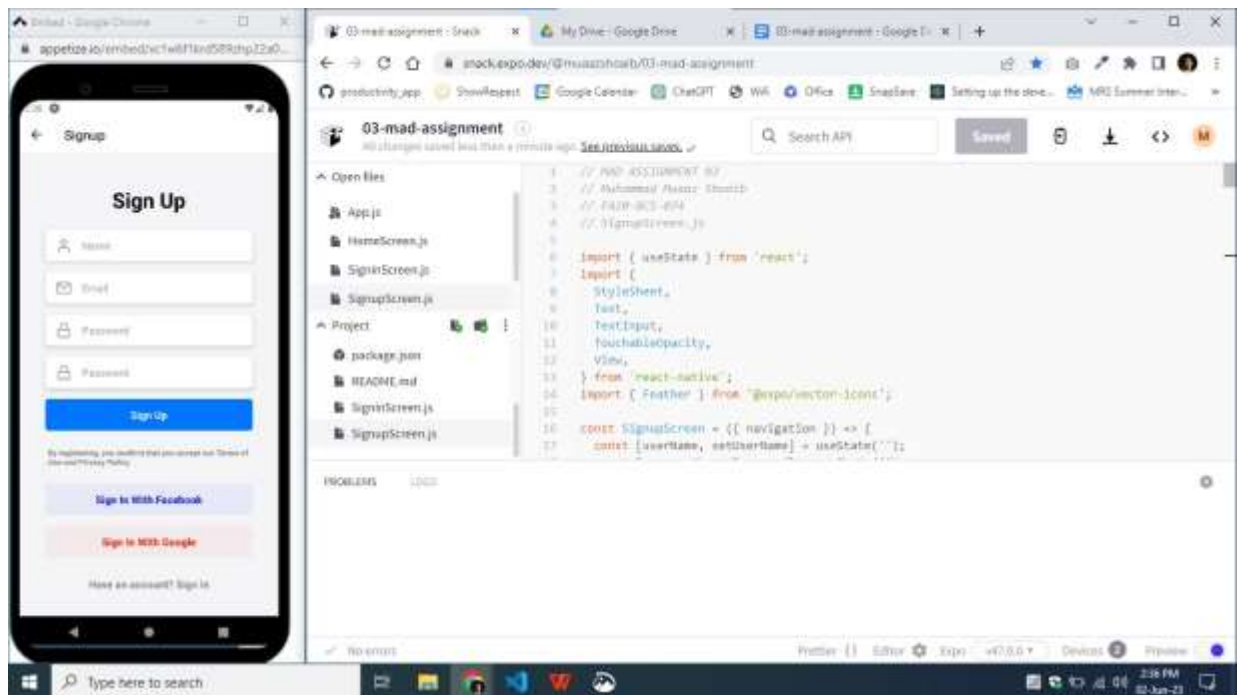
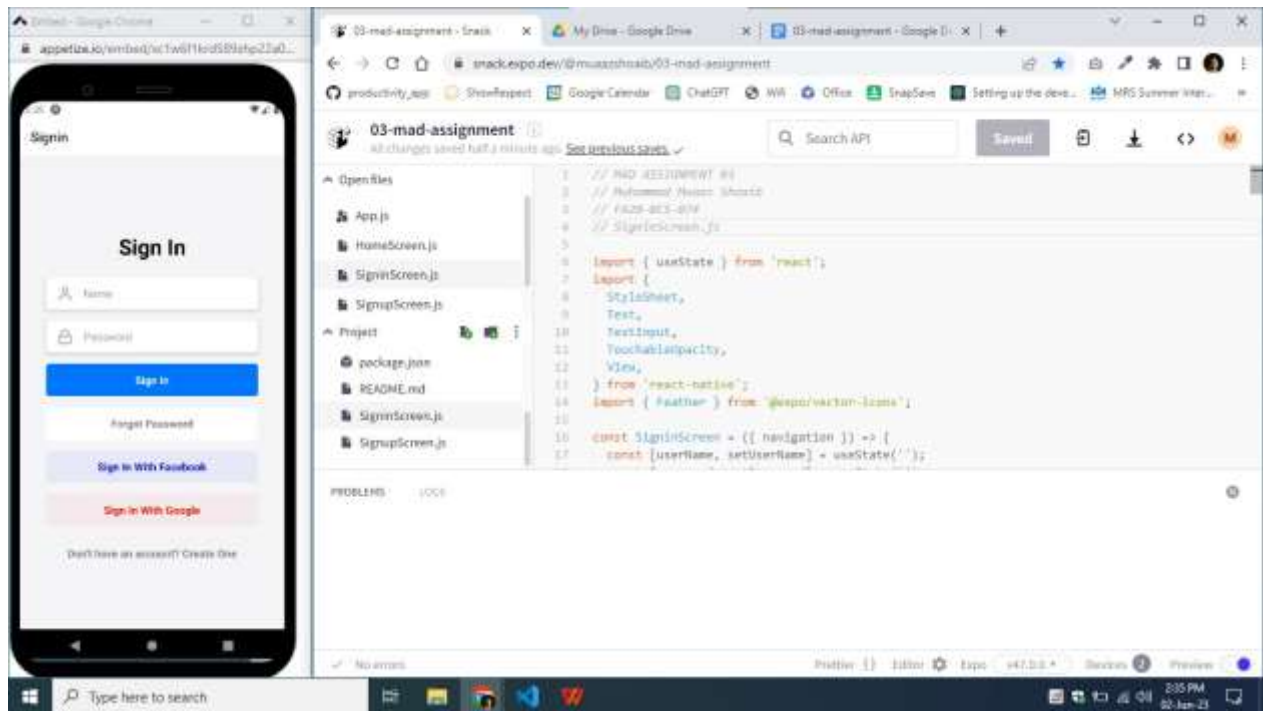
**Subject:** Mobile Application  
Development

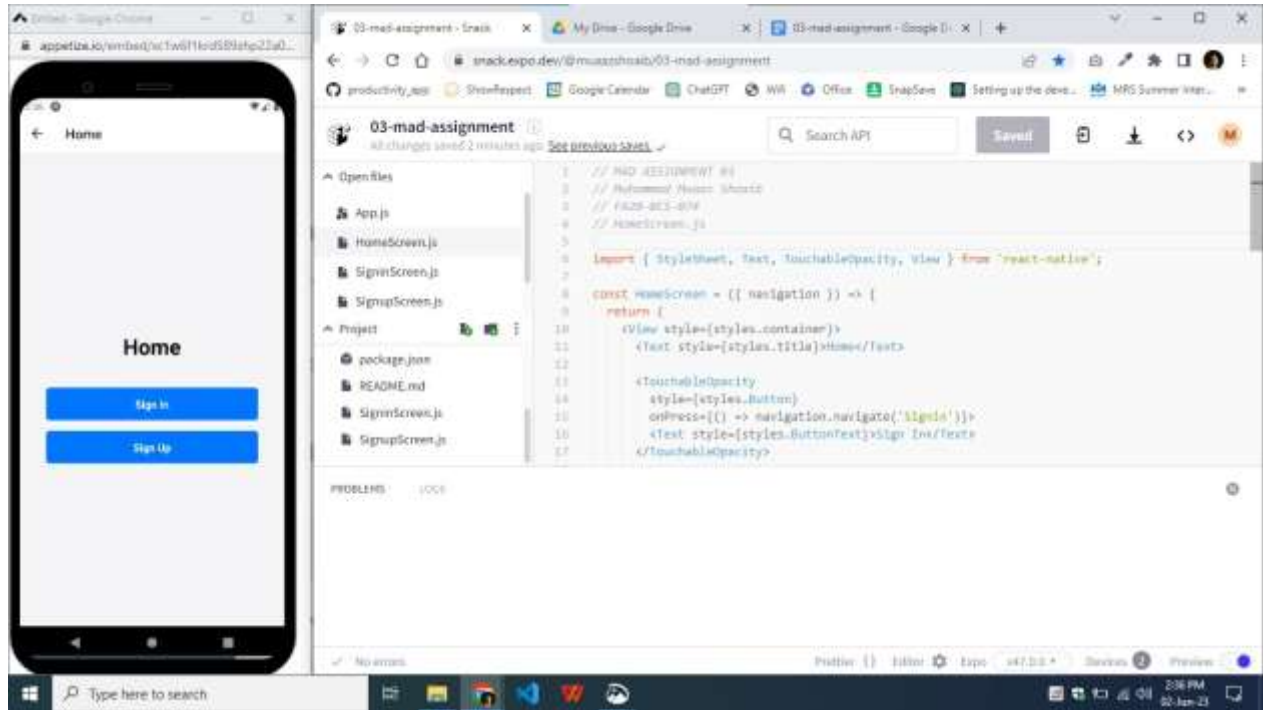
**Assignment #:** 03(Theory)

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### **Assignment 03(Theory):**

**Q1: Make 3 screen home, log in and sign up in react native and use stack navigation between them.**





## App.js

*// MAD ASSIGNMENT 03*

*// Muhammad Muaaz Shoaib*

*// FA20-BCS-074*

*// App.js*

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

```
NavigationContainer } from '@react-navigation/native';
```

```
import HomeScreen from './HomeScreen';
```

```
import SigninScreen from './SigninScreen';
```

```
import SignupScreen from './SignupScreen';
```

```
const Stack = createStackNavigator();

const AppNavigator = () => {

  return (

    <NavigationContainer>

      <Stack.Navigator initialRouteName="Signin">

        <Stack.Screen name="Home" component={HomeScreen} />

        <Stack.Screen name="Signin" component={SigninScreen} />

        <Stack.Screen name="Signup" component={SignupScreen} />

      </Stack.Navigator>

    </NavigationContainer>

  );

};
```

### SigninScreen.js

```
import { useState } from 'react'; import {

  StyleSheet,

  Text,

  TextInput,

  TouchableOpacity,

  View,
```

```
    } from 'react-native';

import { Feather } from '@expo/vector-icons';

const SigninScreen = ({ navigation }) => { const

  [userName, setUserName] = useState(""); const

  [password, setPassword] = useState(""); return (

    <View style={styles.container}>

      <Text style={styles.title}>Sign In</Text>

      <View style={styles.inputContainer}>

        <Feather name="user" size={24} color="#999" />

        <TextInput style={styles.input}

          placeholder="Name"

          placeholderTextColor="#999"

          value={userName}
```

```

        onChangeText={(text) => setUsername(text)}

      />

    </View>

    <View style={styles.inputContainer}>

      <Feather name="lock" size={24} color="#999" />

      <TextInput style={styles.input}

        placeholder="Password"

        placeholderTextColor="#999"

        secureTextEntry

        value={password}

        onChangeText={(text) => setPassword(text)}

      />

    </View>

    <TouchableOpacity

      style={styles.SignInButton}

      onPress={() => navigation.navigate('Home')}>

      <Text style={styles.SignInButtonText}>Sign In</Text>

    </TouchableOpacity>

    <TouchableOpacity style={styles.ForgotPasswordButton} onPress={() =>
  {}>

      <Text style={styles.ForgotPasswordButtonText}>Forgot
  Password</Text>

```

</TouchableOpacity>



```
<TouchableOpacity
```

```
  style={styles.SignInWithFacebookButton}
```

```
  onPress={() => {}}>
```

```
<Text style={styles.SignInWithFacebookButtonText}>
```

```
  Sign In With Facebook
```

```
</Text>
```

```
</TouchableOpacity>
```

```
<TouchableOpacity
```

```
  style={styles.SignInWithGoogleButton} onPress={()
```

```
=> {}}>
```

```
<Text style={styles.SignInWithGoogleButtonText}>
```

```
  Sign In With Google
```

```
</Text>
```

```
</TouchableOpacity>
```

```
<TouchableOpacity style={styles.CreateOneButton} onPress={() => {}}>
```

```
<Text style={styles.CreateOneText}>
```

```
  Don't have an account? Create One
```

```
</Text>
```

```
</TouchableOpacity>
```

```
</View>
```

```
);
```

```
};
```

```
const styles = StyleSheet.create({
```

```
container: {  
  
  flex: 1,  
  
  alignItems: 'center', justifyContent:  
  
    'center', backgroundColor: '#F5F5F5',  
  
},  
  
inputContainer: { flexDirection:  
  
  'row', alignItems: 'center',  
  
  width: '80%',  
  
    height: 48,  
  
  borderRadius: 5,  
  
  backgroundColor: '#FFF',  
  
  shadowColor: '#000',  
  
  shadowOffset: {  
  
    width: 0,  
  
    height: 2,  
  
  },  
  
  shadowOpacity: 0.25,  
  
  shadowRadius: 3.84,  
  
  elevation: 5,  
  
  paddingLeft: 16,
```

marginBottom: 16,

```
},  
  
title: { fontSize:  
  
    32,  
  
    fontWeight: 'bold',  
  
    marginTop: 24,  
  
    marginBottom: 24,  
},  
  
input: { flex:  
  
    1,  
  
    marginLeft: 16,  
  
    fontSize: 16,  
},  
  
SignInButton: {  
  
    width: '80%',  
  
    height: 48,  
  
    borderRadius: 5, backgroundColor:  
  
    '#007AFF', alignItems: 'center',  
  
    justifyContent: 'center', marginTop:  
  
    0,  
  
},  
  
ForgotPasswordButton: {
```

width: '80%',

```
height: 48,

borderRadius: 5,

backgroundColor: '#fff',

alignItems: 'center',

justifyContent: 'center',

marginTop: 16,

},

SignInWithFacebookButton: {

width: '80%',

height: 48,

borderRadius: 5, backgroundColor:

'#E7E9F6', alignItems: 'center',

justifyContent: 'center', marginTop:

16,

},

SignInWithGoogleButton: {

width: '80%',

height: 48,

borderRadius: 5, backgroundColor:

'#F3E9EA', alignItems: 'center',
```

justifyContent: 'center',



```
    marginTop: 16,
  },
  SignInButtonText: {
    color: '#FFF',
    fontSize: 16,
    fontWeight: 'bold',
  },
  ForgotPasswordButtonText: {
    color: 'grey',
    fontSize: 16,
    fontWeight: 'bold',
  },
  SignInWithFacebookButtonText: {
    color: 'blue',
    fontSize: 16,
    fontWeight: 'bold',
  },
  SignInWithGoogleButtonText: {
    color: 'red',
    fontSize: 16,
```

```
fontWeight: 'bold',
```

```
},
```

```
CreateOneButton: {
```

```
width: '80%',  
  
height: 48,  
  
borderRadius: 5, alignItems:  
  
'center', justifyContent:  
  
'center', marginTop: 16,  
  
},  
  
CreateOneText: { color:  
  
'grey', fontSize: 16,  
  
fontWeight: 'bold',  
  
},  
  
});
```

```
export default SigninScreen;
```

## **SignupScreen.js**

```
import {  
  
  StyleSheet,  
  
  Text,  
  
  TextInput,  
  
  TouchableOpacity,  
  
  View,  
  
} from 'react-native';
```

```
import { Feather } from '@expo/vector-icons';
```

```
const SignupScreen = ({ navigation }) => { const
```

```
[userName, setUserName] = useState(""); const
```

```
[password, setPassword] = useState(""); const
```

```
[email, setEmail] = useState(""); return (
```

```
<View style={styles.container}>
```

```
<Text style={styles.title}>Sign Up</Text>
```

```
<View style={styles.inputContainer}>
```

```
<Feather name="user" size={24} color="#999" />
```

```
<TextInput style={styles.input}
```

```
placeholder="Name"
```

```
placeholderTextColor="#999"
```

```
value={userName}
```

```
        onChangeText={(text) => setUsername(text)}

    />

</View>

<View style={styles.inputContainer}>

    <Feather name="mail" size={24} color="#999" />

    <TextInput style={styles.input}

        placeholder="Email"

        placeholderTextColor="#999"

        secureTextEntry

        value={email}

        onChangeText={(text) => setEmail(text)}

    />

</View>

<View style={styles.inputContainer}>

    <Feather name="lock" size={24} color="#999" />

    <TextInput style={styles.input}

        placeholder="Password"

        placeholderTextColor="#999"

        secureTextEntry

        value={password}

        onChangeText={(text) => setPassword(text)}

    />

</View>
```

```

    />

</View>

<View style={styles.inputContainer}>

  <Feather name="lock" size={24} color="#999" />

  <TextInput style={styles.input}

    placeholder="Password"

    placeholderTextColor="#999"

    secureTextEntry

    value={password}

    onChangeText={(text) => setPassword(text)}

  />

</View>

<TouchableOpacity

  style={styles.SignUpButton}

  onPress={() => navigation.navigate('Home')}>

  <Text style={styles.SignUpButtonText}>Sign Up</Text>

</TouchableOpacity>

<TouchableOpacity style={styles.TermsOfUseButton} onPress={() =>
  {}>

  <Text style={styles.TermsOfUseText}>

```

By registering, you confirm that you accept our [Terms of Use](#) and

Privacy Policy.

</Text>

```
</TouchableOpacity>
```

```
<TouchableOpacity
```

```
style={styles.SignInWithFacebookButton}
```

```
onPress={() => {}}>
```

```
<Text style={styles.SignInWithFacebookButtonText}>
```

```
Sign In With Facebook
```

```
</Text>
```

```
</TouchableOpacity>
```

```
<TouchableOpacity
```

```
style={styles.SignInWithGoogleButton} onPress={()
```

```
=> {}}>
```

```
<Text style={styles.SignInWithGoogleButtonText}>
```

```
Sign In With Google
```

```
</Text>
```

```
</TouchableOpacity>
```

```
<TouchableOpacity style={styles.SignInButton} onPress={() => {}}>
```

```
<Text style={styles.SignInButtonText}>Have an account? Sign In</Text>
```

```
</TouchableOpacity>
```

```
</View>
```

```
);
```



```
};
```

```
const styles = StyleSheet.create({
```

```
  container: {
```

```
flex: 1,

alignItems: 'center', justifyContent:

'center', backgroundColor: '#F5F5F5',

},

title: { fontSize:

32,

fontWeight: 'bold',

marginTop: 24,

marginBottom: 24,

},

inputContainer: { flexDirection:

'row', alignItems: 'center',

width: '80%',

height: 48,

borderRadius: 5,

backgroundColor: '#FFF',

shadowColor: '#000',

shadowOffset: {

width: 0,

height: 2,
```



```
    shadowOpacity: 0.25,  
    shadowRadius: 3.84,  
    elevation: 5,  
    paddingLeft: 16,  
    marginBottom: 16,  
  },  
  input: { flex:  
    1,  
    marginLeft: 16,  
    fontSize: 16,  
  },  
  SignUpButton: {  
    width: '80%',  
    height: 48,  
    borderRadius: 5, backgroundColor:  
    '#007AFF', alignItems: 'center',  
    justifyContent: 'center', marginTop:  
    0,  
  },  
  SignInWithFacebookButton: {  
    width: '80%',
```

height: 48,

```
borderRadius: 5, backgroundColor:
'#E7E9F6', alignItems: 'center',
justifyContent: 'center', marginTop:
16,
},
```

```
SignInWithGoogleButton: {
width: '80%',
height: 48,
borderRadius: 5, backgroundColor:
'#F3E9EA', alignItems: 'center',
justifyContent: 'center', marginTop:
16,
},
```

```
SignUpButtonText: {
color: '#FFF',
fontSize: 16,
fontWeight: 'bold',
},
```

```
SignInWithFacebookButtonText: {
color: 'blue',
```

fontSize: 16,

```
fontWeight: 'bold',
},
SignInWithGoogleButtonText: {
  color: 'red',
  fontSize: 16,
  fontWeight: 'bold',
},
TermsOfUseButton: {
  width: '80%',
  height: 48,
  borderRadius: 5, alignItems:
    'center', justifyContent:
    'center', marginTop: 16,
},
TermsOfUseText: {
  color: 'grey',
  fontSize: 12,
  fontWeight: 'bold',
},
SignInButton: {
```



width: '80%',

height: 48,

```

borderRadius: 5, alignItems:

'center', justifyContent:

'center', marginTop: 16,

},

SignInButtonText: {

color: 'grey', fontSize:

16, fontWeight: 'bold',

},

});

export default SignupScreen;

```

## HomeScreen.js

```

import { StyleSheet, Text, TouchableOpacity, View } from 'react-native';

const HomeScreen = ({ navigation }) => {
  return (

    <View style={styles.container}>

      <Text style={styles.title}>Home</Text>

      <TouchableOpacity

        style={styles.Button}

        onPress={() => navigation.navigate('Signin')}>

```

```
<Text style={styles.ButtonText}>Sign In</Text>
```

```
</TouchableOpacity>
```

```
<TouchableOpacity
```

```
  style={styles.Button}
```

```
  onPress={() => navigation.navigate('Signup')}>
```

```
    <Text style={styles.ButtonText}>Sign Up</Text>
```

```
  </TouchableOpacity>
```

```
</View>
```

```
);
```

```
};
```

```
const styles = StyleSheet.create({
```

```
  container: {
```

```
    flex: 1,
```

```
    alignItems: 'center',
```

```
    justifyContent: 'center',

    backgroundColor: '#F5F5F5',

  },

  title: { fontSize:

    32,

    fontWeight: 'bold',

    marginTop: 24,

    marginBottom: 24,

  },

  Button: { width:

    '80%',

    height: 48,

    borderRadius: 5, backgroundColor:

    '#007AFF', alignItems: 'center',

    justifyContent: 'center', marginTop:

    16,

  },

  ButtonText: { color:

    '#FFF', fontSize:
```

```

16,

fontWeight: 'bold',

return (

  <View style={styles.container}>

    <Text style={styles.title}>Home</Text>

    <TouchableOpacity

      style={styles.Button}

      onPress={() => navigation.navigate('Signin')}>

      <Text style={styles.ButtonText}>Sign In</Text>

    </TouchableOpacity>

    <TouchableOpacity

      style={styles.Button}

      onPress={() => navigation.navigate('Signup')}>

      <Text style={styles.ButtonText}>Sign Up</Text>

    </TouchableOpacity>

  </View>

);

};

const styles = StyleSheet.create({

```

```
container: {  
  flex: 1,  
  alignItems: 'center',
```

```
    justifyContent: 'center',

    backgroundColor: '#F5F5F5',

  },

  title: { fontSize:

    32,

    fontWeight: 'bold',

    marginTop: 24,

    marginBottom: 24,

  },

  Button: { width:

    '80%',

    height: 48,

    borderRadius: 5, backgroundColor:

    '#007AFF', alignItems: 'center',

    justifyContent: 'center', marginTop:

    16,

  },

  ButtonText: { color:

    '#FFF', fontSize:
```

16,

fontWeight: 'bold',





