

# **MOBILE APPLICATION DEVELOPMENT**

## **ASSIGNMENT 03**

**NAME:**

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**REG. NO:**

**FA20-BCS-074**

**CLASS:**

**BCS-6B**

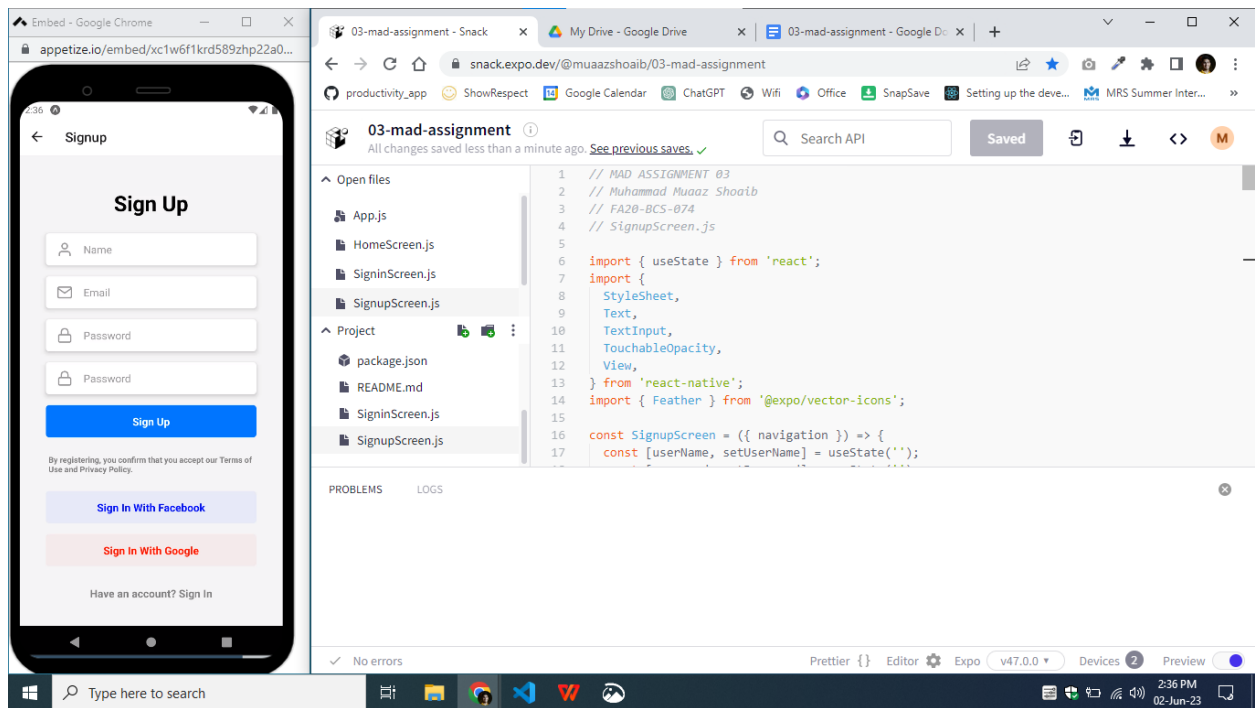
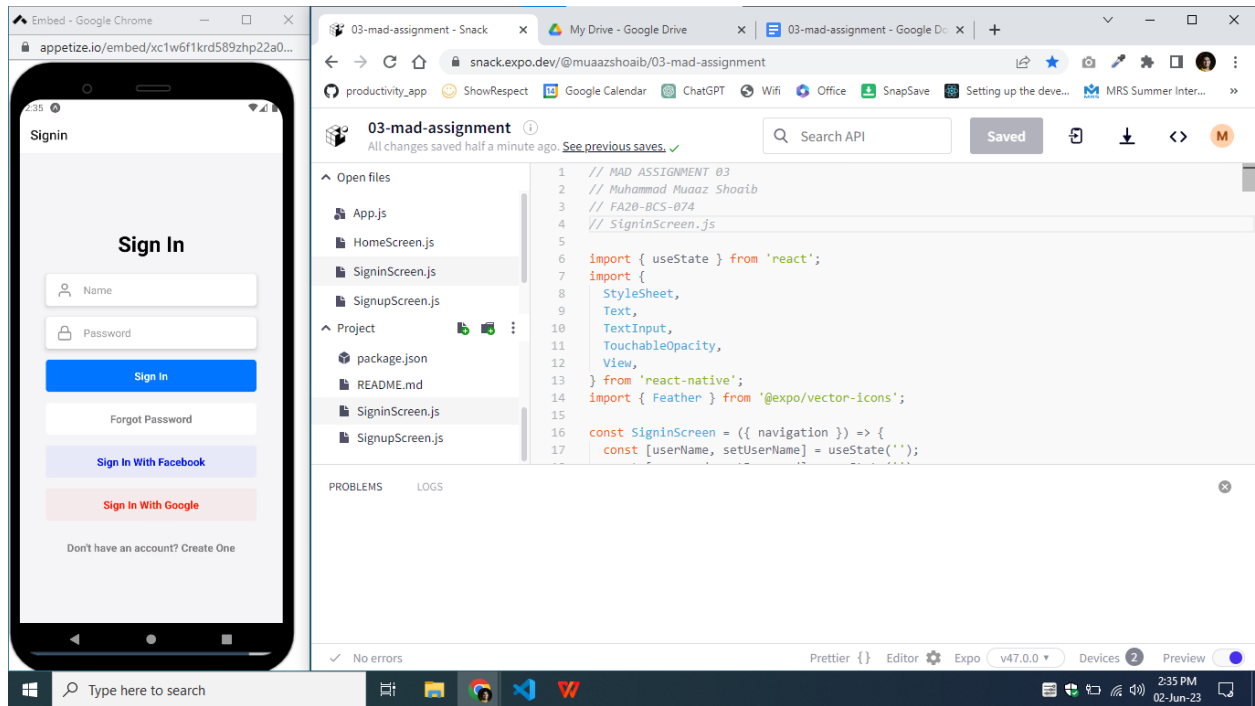
**SUBMITTED TO:**

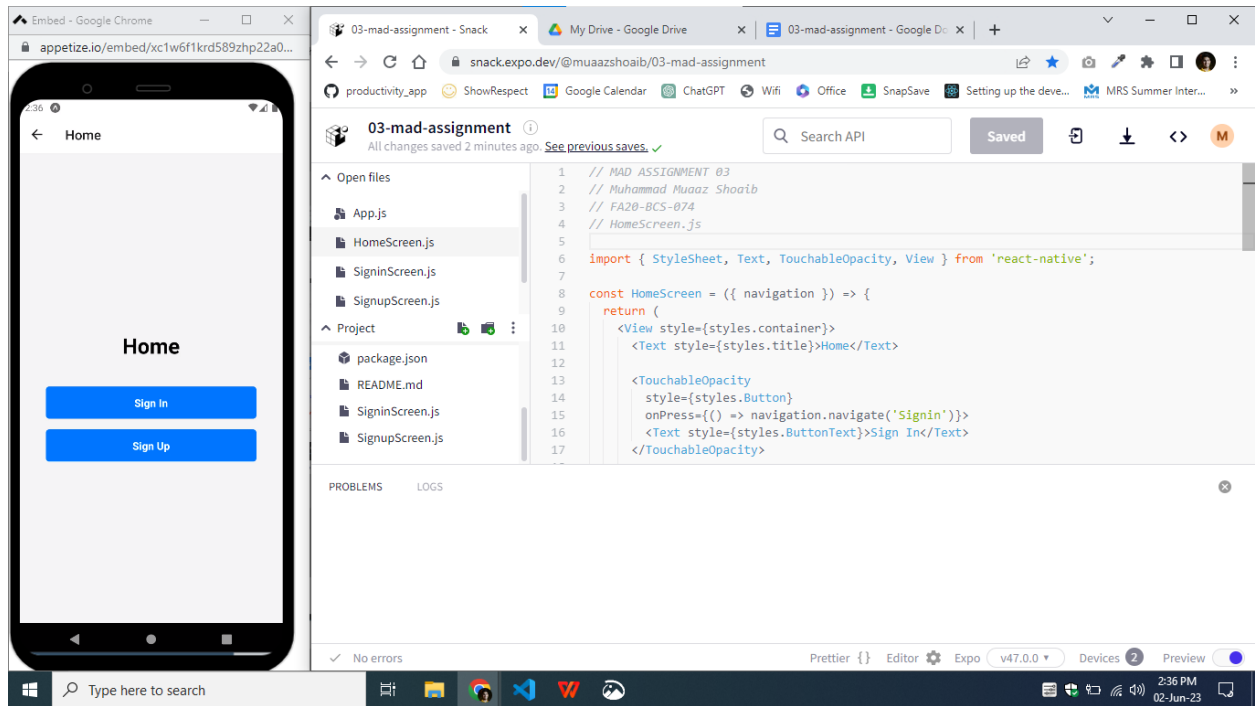
**MR. MUHAMMAD KAMRAN**

**DATE:**

**02-JUNE-2023**

**Q: 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>

  );

};

export default AppNavigator;
```

## SigninScreen.js

```
// MAD ASSIGNMENT 03

// Muhammad Muaaz Shoaib

// FA20-BCS-074

// 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

```
// MAD ASSIGNMENT 03  
  
// Muhammad Muaaz Shoaib  
  
// FA20-BCS-074  
  
// SignupScreen.js  
  
import { useState } from 'react';
```

```
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 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

```
// MAD ASSIGNMENT 03

// Muhammad Muaaz Shoaib

// FA20-BCS-074

// 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',
```



```
    },  
  });  
  
export default HomeScreen;
```