

# **Assignment # 3**

## **MAD Theory**



**NAME:**  
**MUHAMMAD AWAIS ASLAM**

**REG. NO:**  
**FA20-BCS-067**

**SUBMITTED TO:**  
**MR. MUHAMMAD KAMRAN**

**DATE:**  
**02-06-2023**

## Code:

```
import React from 'react';
import { View, TextInput, Button, Text, StyleSheet } from 'react-native';
import { NavigationContainer } from '@react-navigation/native';
import { createStackNavigator } from '@react-navigation/stack';

const Stack = createStackNavigator();

function HomeScreen({ navigation }) {
  return (
    <View style={styles.container}>
      <Button
        title="Sign Up"
        onPress={() => navigation.navigate('SignUp')}
      />
      <Button
        title="Sign In"
        onPress={() => navigation.navigate('SignIn')}
      />
    </View>
  );
}

function SignUpScreen({ navigation }) {
  return (
    <View style={styles.container}>
      <TextInput style={styles.input} placeholder="Name" />
      <TextInput style={styles.input} placeholder="Last Name" />
      <TextInput style={styles.input} placeholder="Date of Birth" />
      <TextInput style={styles.input} placeholder="Phone Number" />
      <TextInput style={styles.input} placeholder="Email" />
      <TextInput style={styles.input} placeholder="Password" />
      <Button title="Register" onPress={() => navigation.navigate('Home')} />
      <Text style={styles.text}>Already Registered? Click on Sign In</Text>
      <Button title="Sign In" onPress={() => navigation.navigate('SignIn')} />
      <Button title="Home" onPress={() => navigation.navigate('Home')} />
    </View>
  );
}
```

```

    );
}

function SignInScreen({ navigation }) {
  return (
    <View style={styles.container}>
      <TextInput style={styles.input} placeholder="Email/Phone" />
      <TextInput style={styles.input} placeholder="Password" />
      <Button title="Sign In" onPress={() => navigation.navigate('Home')} />
      <Button title="Register" onPress={() => navigation.navigate('SignUp')} />
      <Text style={styles.text}>Already Registered? Click on Sign In</Text>

      <Button title="Home" onPress={() => navigation.navigate('Home')} />
    </View>
  );
}

function App() {
  return (
    <NavigationContainer>
      <Stack.Navigator>
        <Stack.Screen name="Home" component={HomeScreen} />
        <Stack.Screen name="SignUp" component={SignUpScreen} />
        <Stack.Screen name="SignIn" component={SignInScreen} />
      </Stack.Navigator>
    </NavigationContainer>
  );
}

const styles = StyleSheet.create({
  container: {
    flex: 1,
    justifyContent: 'center',
    alignItems: 'center',
    padding: 10,
    gap : 10,
  },
  input: {
    width: '100%',
    height: 30,
    borderColor: 'gray',
    borderWidth: 1,
    marginBottom: 3,
    paddingLeft: 10,
  },
},

```

```
text: {  
  marginBottom: 10,  
},  
});  
  
export default App;
```

## Output:

Home

SIGN UP

SIGN IN

← SignUp

Name

Last Name

Date of Birth

Phone Number

Email

Password

REGISTER

Already Registered? Click on Sign In

SIGN IN

HOME

← SignIn

Email/Phone

Password

SIGN IN

REGISTER

Already Registered? Click on Sign In

HOME