



TECHNOLOGICAL INSTITUTE OF THE STATE OF AGUASCALIENTES
INFORMATION AND COMMUNICATION TECHNOLOGY ENGINEERING

Multi-platform mobile applications

Theme 2

Interface design

3.- Documentation of the Practices

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Class: 11:00-12:00

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Navigation

App.js

```
import * as React from 'react';
import { View, Text } from 'react-native';
import { NavigationContainer } from '@react-navigation/native';
import { createNativeStackNavigator } from '@react-navigation/native-stack';
import { createStaticNavigation, useNavigation } from '@react-navigation/native';
import SettingsScreen from './src/screens/SettingsScreen';
import DetailsScreen from './src/screens/DetailsScreen';
import { Button } from '@react-navigation/elements';
```

```
function HomeScreen() {
  const navigation = useNavigation();
  return (
    <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
      <Text>Home Screen</Text>
      <Button onPress={() => navigation.navigate('Details')}>
        Go to Details
      </Button>
    </View>
  );
}
```

```
const Stack = createNativeStackNavigator();
function RootStack() {
  return (
    <Stack.Navigator
      initialRouteName="Details"
      screenOptions={{
        headerStyle: { backgroundColor: 'tomato' },
      }}
    >
      <Stack.Screen
        name="Home"
        component={HomeScreen}
        options={{ title: 'Home' }}
      />
      <Stack.Screen
        name="Details"
        component={DetailsScreen}
        options={{ title: 'Details' }}
      />
      <Stack.Screen
        name="Settings"
        component={SettingsScreen}
        options={{ title: 'Settings' }}
      />
    </Stack.Navigator>
  );
}
```

```

}
export default function App() {
  return (
    <NavigationContainer>
      <RootStack />
    </NavigationContainer>
  );
}

```

```

1  import * as React from 'react';
2  import { View, Text } from 'react-native';
3  import { NavigationContainer } from '@react-navigation/native';
4  import { createNativeStackNavigator } from '@react-navigation/native-stack';
5  import { createStaticNavigation, useNavigation } from '@react-navigation/native';
6  import SettingsScreen from './src/screens/SettingsScreen';
7  import DetailsScreen from './src/screens/DetailsScreen';
8  import { Button } from '@react-navigation/elements';
9
10 function HomeScreen() {
11   const navigation = useNavigation();
12
13   return (
14     <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
15       <Text>Home Screen</Text>
16       <Button onPress={() => navigation.navigate('Details')}>
17         Go to Details
18       </Button>
19     </View>
20   );
21 }
22
23 const Stack = createNativeStackNavigator();
24
25 function RootStack() {
26   return (
27     <Stack.Navigator
28       initialRouteName="Details"
29       screenOptions={{
30         headerStyle: { backgroundColor: 'tomato' },
31       }}
32     >
33       <Stack.Screen

```

```

25 function RootStack() {
26   component=(HomeScreen)
27   options={{ title: 'Home' }}
28 }
29 <Stack.Screen
30   name="Details"
31   component=(DetailsScreen)
32   options={{ title: 'Details' }}
33 </Stack.Screen>
34 <Stack.Screen
35   name="Settings"
36   component=(SettingsScreen)
37   options={{ title: 'Settings' }}
38 </Stack.Screen>
39 </Stack.Navigator>
40 );
41
42 export default function App() {
43   return (
44     <NavigationContainer>
45       <RootStack />
46     </NavigationContainer>
47   );
48 }

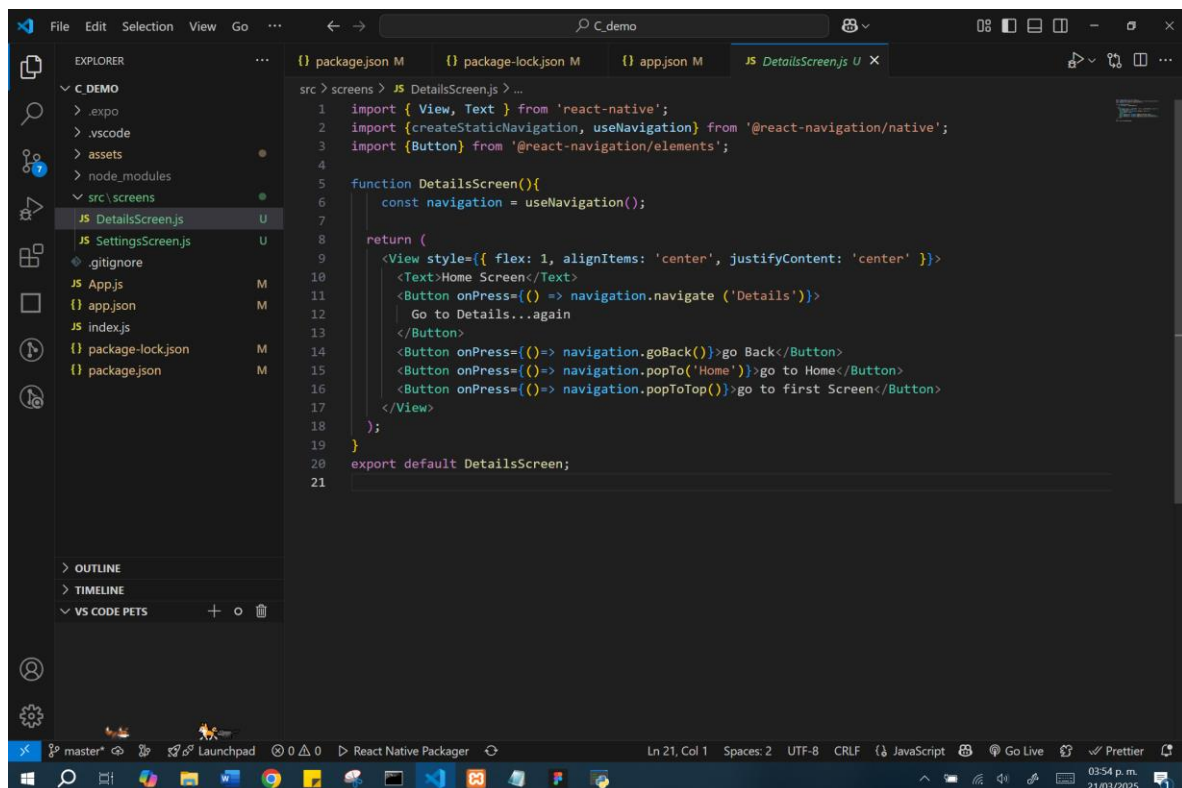
```

DetailsScreen.js

```
import { View, Text } from 'react-native';
import { createStaticNavigation, useNavigation } from '@react-navigation/native';
import { Button } from '@react-navigation/elements';
```

```
function DetailsScreen(){
  const navigation = useNavigation();

  return (
    <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
      <Text>Home Screen</Text>
      <Button onPress={() => navigation.navigate ('Details')}>
        Go to Details...again
      </Button>
      <Button onPress={() => navigation.goBack()}>go Back</Button>
      <Button onPress={() => navigation.popTo('Home')}>go to Home</Button>
      <Button onPress={() => navigation.popToTop()}>go to first Screen</Button>
    </View>
  );
}
export default DetailsScreen;
```



SettingsScreen.js

```
import { View, Text } from 'react-native';
import {createStaticNavigation, useNavigation} from '@react-navigation/native';
//import {Button} from '@react-navigation/elements';
```

```
function SettingsScreen(){
  const navigation = useNavigation();

  return (
    <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
      <Text>Details Screen</Text>
      <Button onPress={() => navigation.push ('Details')}>
        Go to Details
      </Button>
      <Button onPress={() => navigation.goBack()}>go Back</Button>
    </View>
  );
}

export default SettingsScreen;
```

