

Mobile Application Development

Prof. Fernando Pinéo

Navegação entre telas

Stack Navigation

Instalação do stack



https://reactnavigation.org/docs/native-stack-navigator

React Navigation

7.x ▾ Docs Blog Help ▾

Upgrading from 6.x

Navigators ▾

- Stack
- Native Stack**
- Bottom Tabs
- Drawer
- Material Top Tabs

Libraries ▾

`navigation/stack` depending on your needs. So if you need more customization than what's possible in this navigator, consider using `@react-navigation/stack` instead - which is a more customizable JavaScript based implementation.

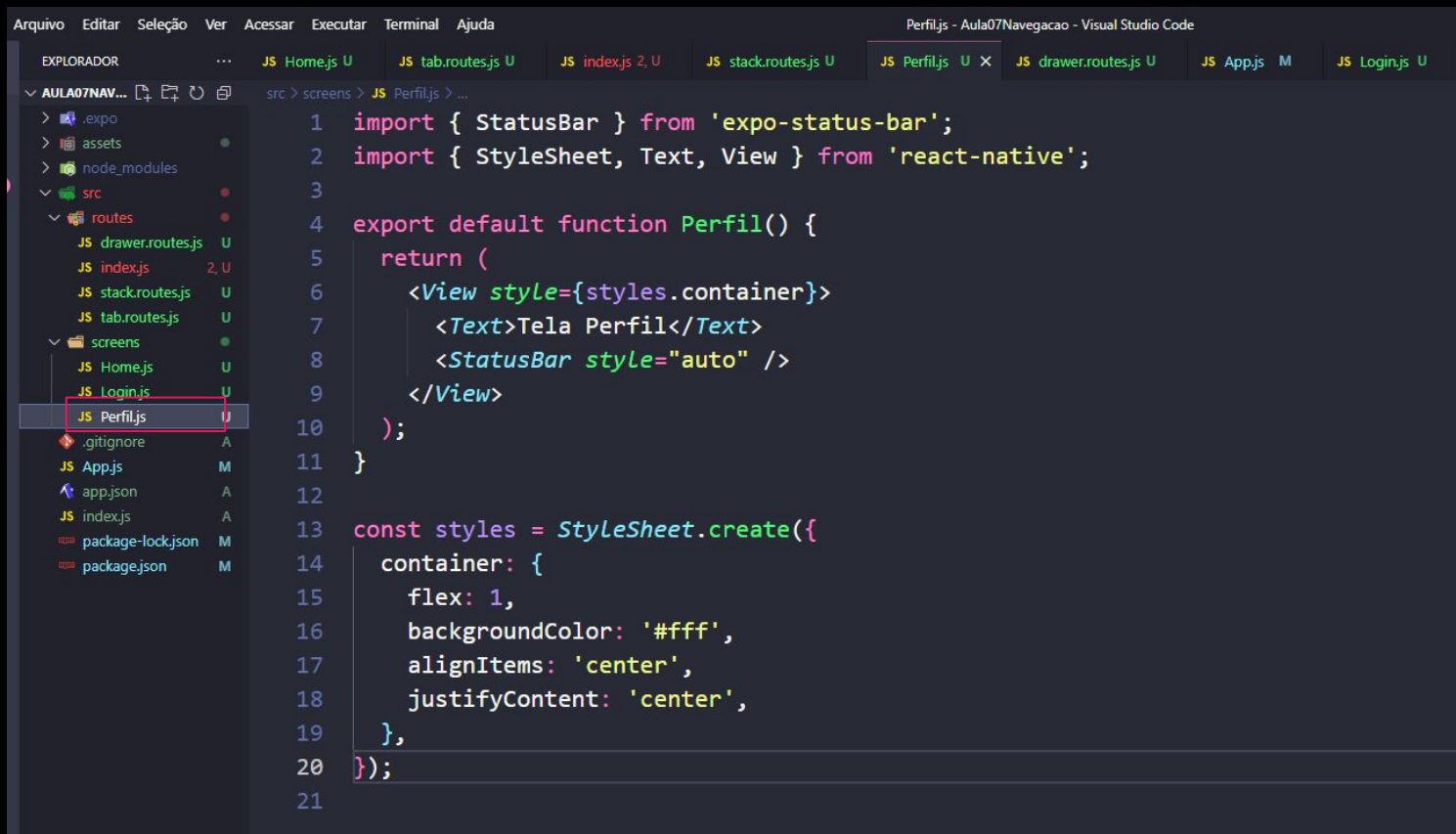
Installation

To use this navigator, ensure that you have `@react-navigation/native` and its dependencies (follow this guide), then install `@react-navigation/native-stack`:

`npm` `Yarn` `pnpm`

```
npm install @react-navigation/native-stack
```

Criando Tela Perfil



```
Arquivo  Editar  Seleção  Ver  Acessar  Executar  Terminal  Ajuda  Perfil.js - Aula07Navegacao - Visual Studio Code

EXPLORADOR  ...  JS Home.js U  JS tab.routes.js U  JS index.js 2, U  JS stack.routes.js U  JS Perfil.js U X  JS drawer.routes.js U  JS App.js M  JS Login.js U

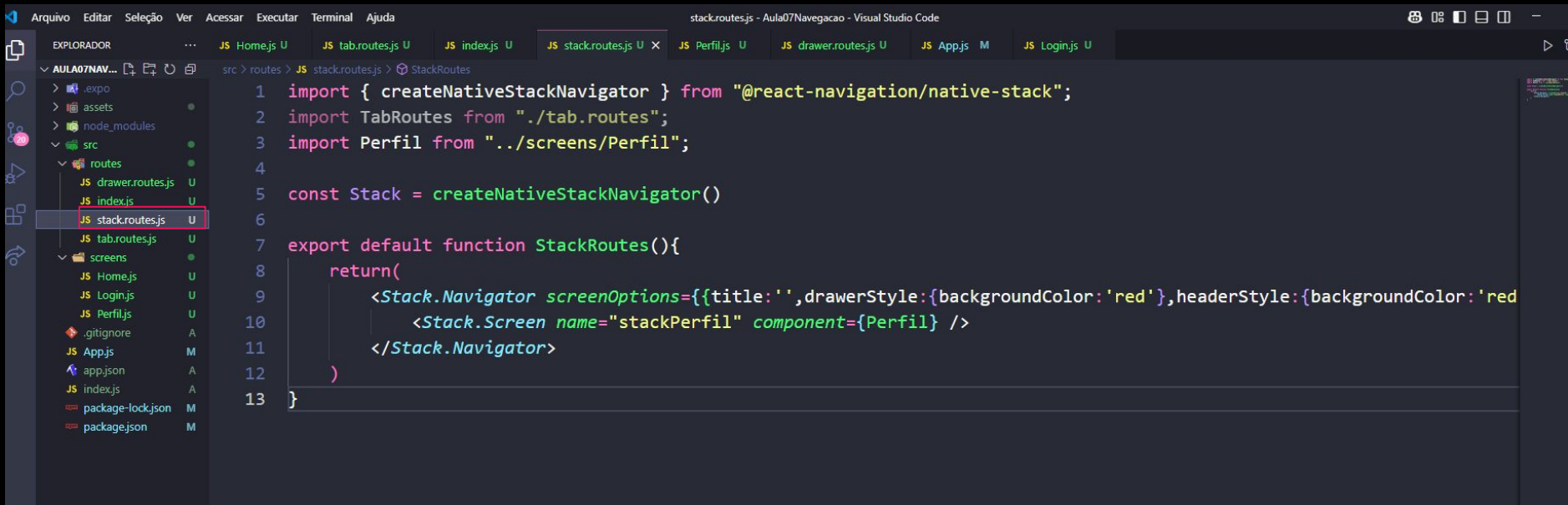
AULA07NAV...  .expo  assets  node_modules  src  routes  JS drawer.routes.js U  JS index.js 2, U  JS stack.routes.js U  JS tab.routes.js U  screens  JS Home.js U  JS Login.js U  JS Perfil.js U  .gitignore A  JS App.js M  app.json A  index.js A  package-lock.json M  package.json M

src > screens > JS Perfil.js > ...

1  import { StatusBar } from 'expo-status-bar';
2  import { StyleSheet, Text, View } from 'react-native';
3
4  export default function Perfil() {
5    return (
6      <View style={styles.container}>
7        <Text>Tela Perfil</Text>
8        <StatusBar style="auto" />
9      </View>
10   );
11 }
12
13 const styles = StyleSheet.create({
14   container: {
15     flex: 1,
16     backgroundColor: '#fff',
17     alignItems: 'center',
18     justifyContent: 'center',
19   },
20 });
21
```

Criando arq stack.routes.js

FIAP



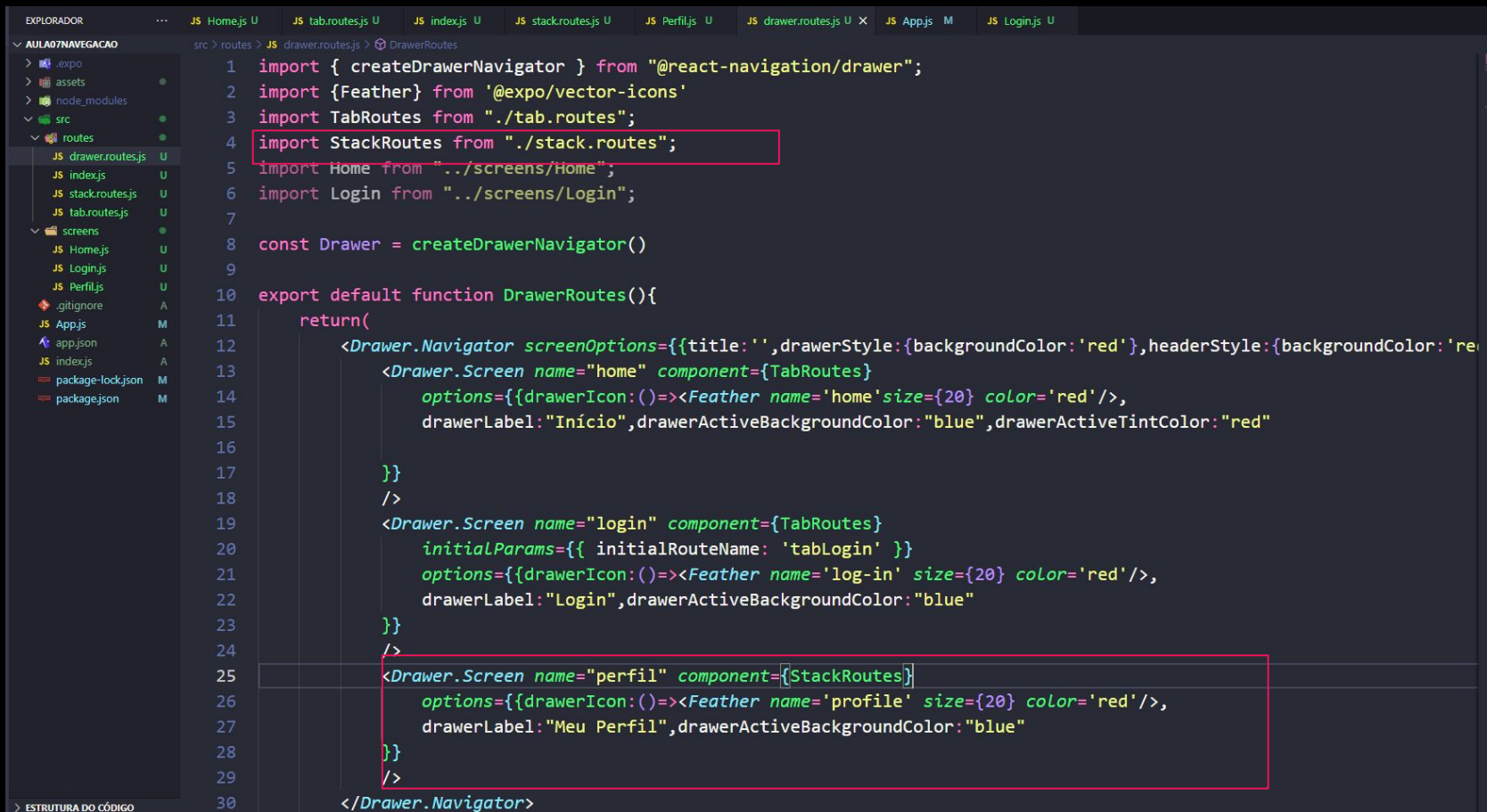
The screenshot shows the Visual Studio Code interface with the Explorer view on the left and the Editor view on the right. The Explorer view shows the project structure with the file `stack.routes.js` highlighted in the `src/routes` directory. The Editor view shows the code for `stack.routes.js`, which imports `createNativeStackNavigator` from `@react-navigation/native-stack`, `TabRoutes` from `./tab.routes`, and `Perfil` from `../screens/Perfil`. It then defines a `Stack` variable using `createNativeStackNavigator()` and exports a default function `StackRoutes()` that returns a `Stack.Navigator` with a `screenOptions` prop and a `Stack.Screen` named `stackPerfil` with a `component` prop.

```
1 import { createNativeStackNavigator } from "@react-navigation/native-stack";
2 import TabRoutes from "../tab.routes";
3 import Perfil from "../screens/Perfil";
4
5 const Stack = createNativeStackNavigator()
6
7 export default function StackRoutes(){
8   return(
9     <Stack.Navigator screenOptions={{title:'',drawerStyle:{backgroundColor:'red'},headerStyle:{backgroundColor:'red'}}>
10       <Stack.Screen name="stackPerfil" component={Perfil} />
11     </Stack.Navigator>
12   )
13 }
```

Adicionando dentro do Drawer

No arq Drawer

FIAP

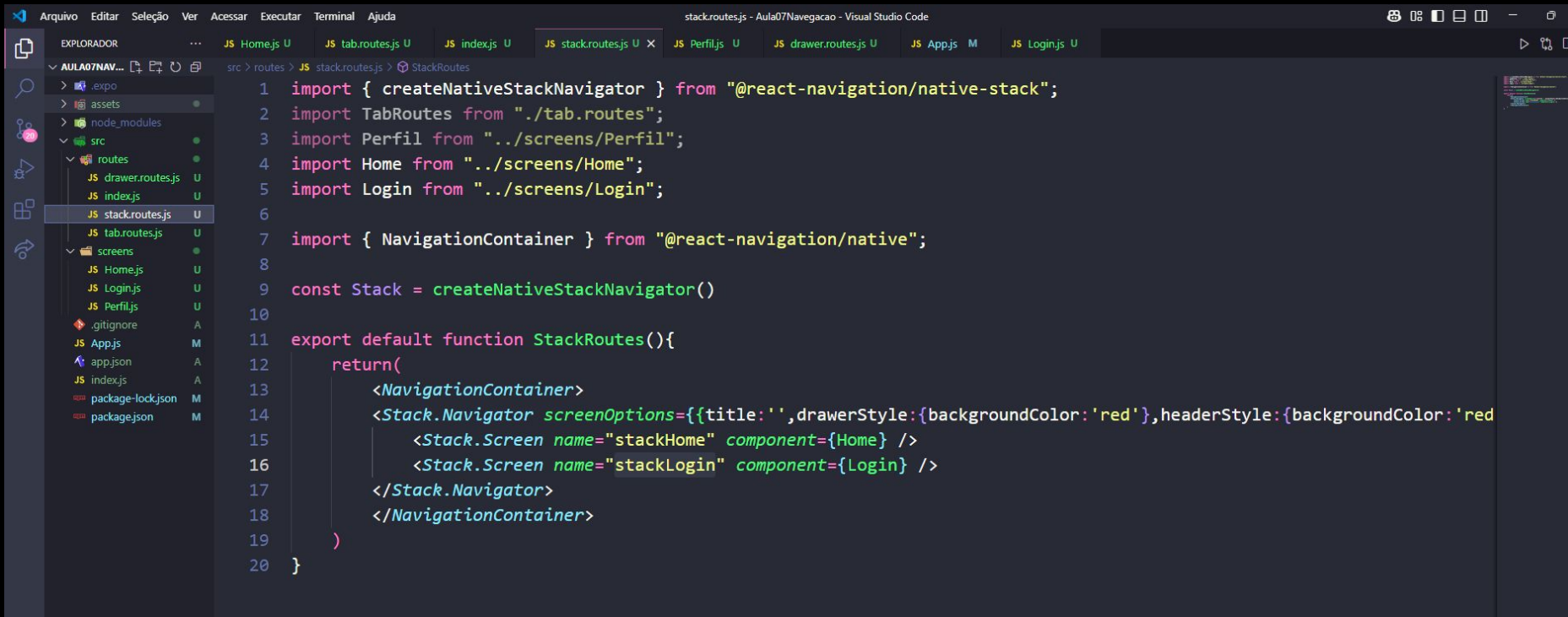


```
EXPLORADOR  ... JS Home.js U JS tab.routes.js U JS index.js U JS stack.routes.js U JS Perfil.js U JS drawer.routes.js U X JS App.js M JS Login.js U
AULA07NAVEGACAO
  > expo
  > assets
  > node_modules
  > src
    > routes
      JS drawer.routes.js U
      JS index.js U
      JS stack.routes.js U
      JS tab.routes.js U
    > screens
      JS Home.js U
      JS Login.js U
      JS Perfil.js U
      .gitignore A
      JS App.js M
      app.json A
      index.js A
      package-lock.json M
      package.json M

src > routes > JS drawer.routes.js > DrawerRoutes
1 import { createDrawerNavigator } from "@react-navigation/drawer";
2 import { Feather } from '@expo/vector-icons'
3 import TabRoutes from "./tab.routes";
4 import StackRoutes from "./stack.routes";
5 import Home from "../screens/Home";
6 import Login from "../screens/Login";
7
8 const Drawer = createDrawerNavigator()
9
10 export default function DrawerRoutes(){
11   return(
12     <Drawer.Navigator screenOptions={{title:'',drawerStyle:{backgroundColor:'red'},headerStyle:{backgroundColor:'red'}}>
13       <Drawer.Screen name="home" component={TabRoutes}
14         options={{drawerIcon:()=><Feather name='home' size={20} color='red'/>,
15           drawerLabel:"Início",drawerActiveBackgroundColor:"blue",drawerActiveTintColor:"red"
16         }}
17       />
18     <Drawer.Screen name="login" component={TabRoutes}
19       initialParams={{ initialRouteName: 'tabLogin' }}
20       options={{drawerIcon:()=><Feather name='log-in' size={20} color='red'/>,
21         drawerLabel:"Login",drawerActiveBackgroundColor:"blue"
22       }}
23     />
24     <Drawer.Screen name="perfil" component={StackRoutes}
25       options={{drawerIcon:()=><Feather name='profile' size={20} color='red'/>,
26         drawerLabel:"Meu Perfil",drawerActiveBackgroundColor:"blue"
27       }}
28     />
29   </Drawer.Navigator>
30 )
```

Definindo somente stack Navegação

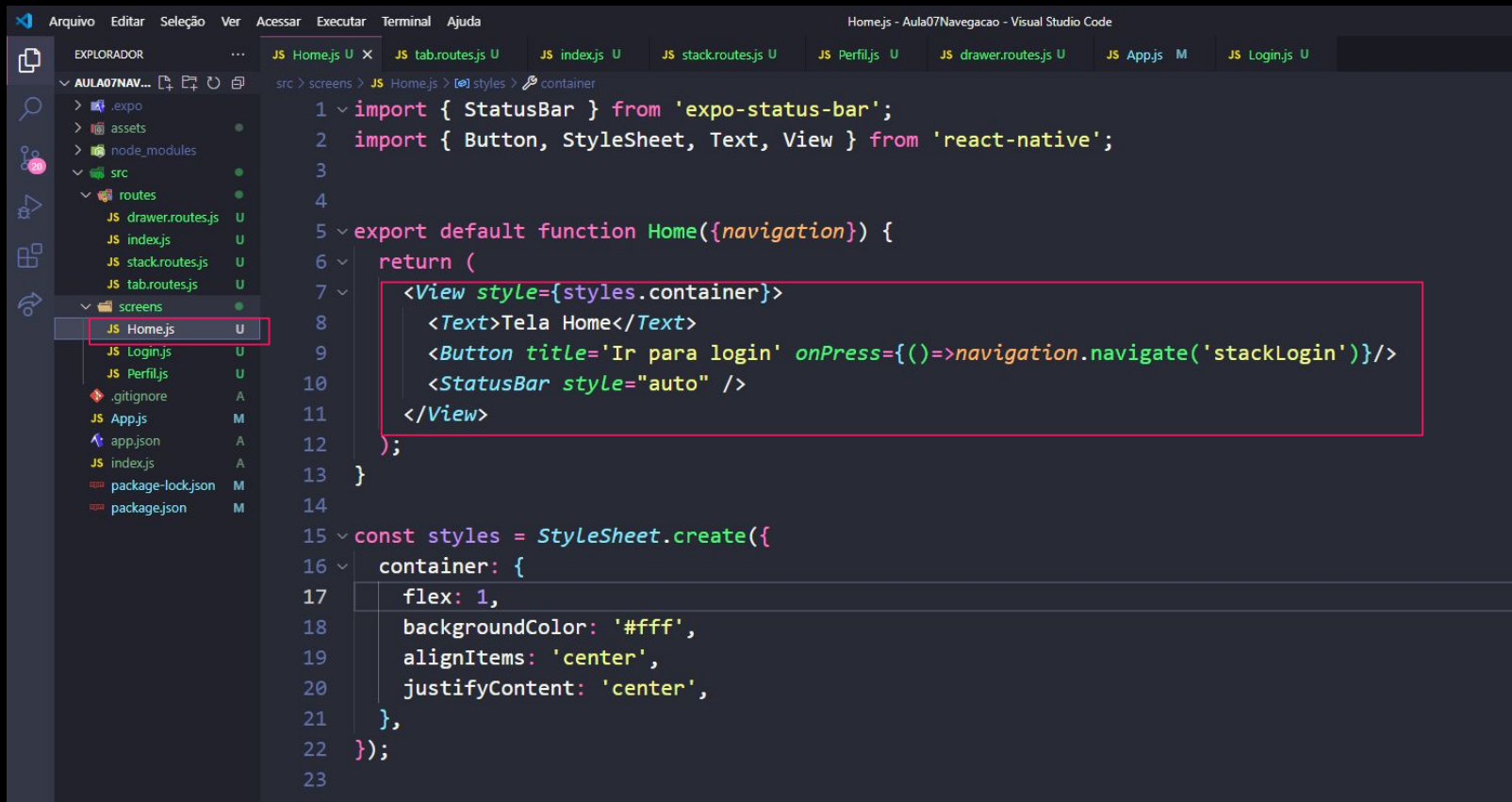
FIA/P



```
1 import { createNativeStackNavigator } from "@react-navigation/native-stack";
2 import TabRoutes from "../tab.routes";
3 import Perfil from "../screens/Perfil";
4 import Home from "../screens/Home";
5 import Login from "../screens/Login";
6
7 import { NavigationContainer } from "@react-navigation/native";
8
9 const Stack = createNativeStackNavigator()
10
11 export default function StackRoutes(){
12   return(
13     <NavigationContainer>
14       <Stack.Navigator screenOptions={{title:'',drawerStyle:{backgroundColor:'red'},headerStyle:{backgroundColor:'red'}}>
15         <Stack.Screen name="stackHome" component={Home} />
16         <Stack.Screen name="stackLogin" component={Login} />
17       </Stack.Navigator>
18     </NavigationContainer>
19   )
20 }
```


Tela Home

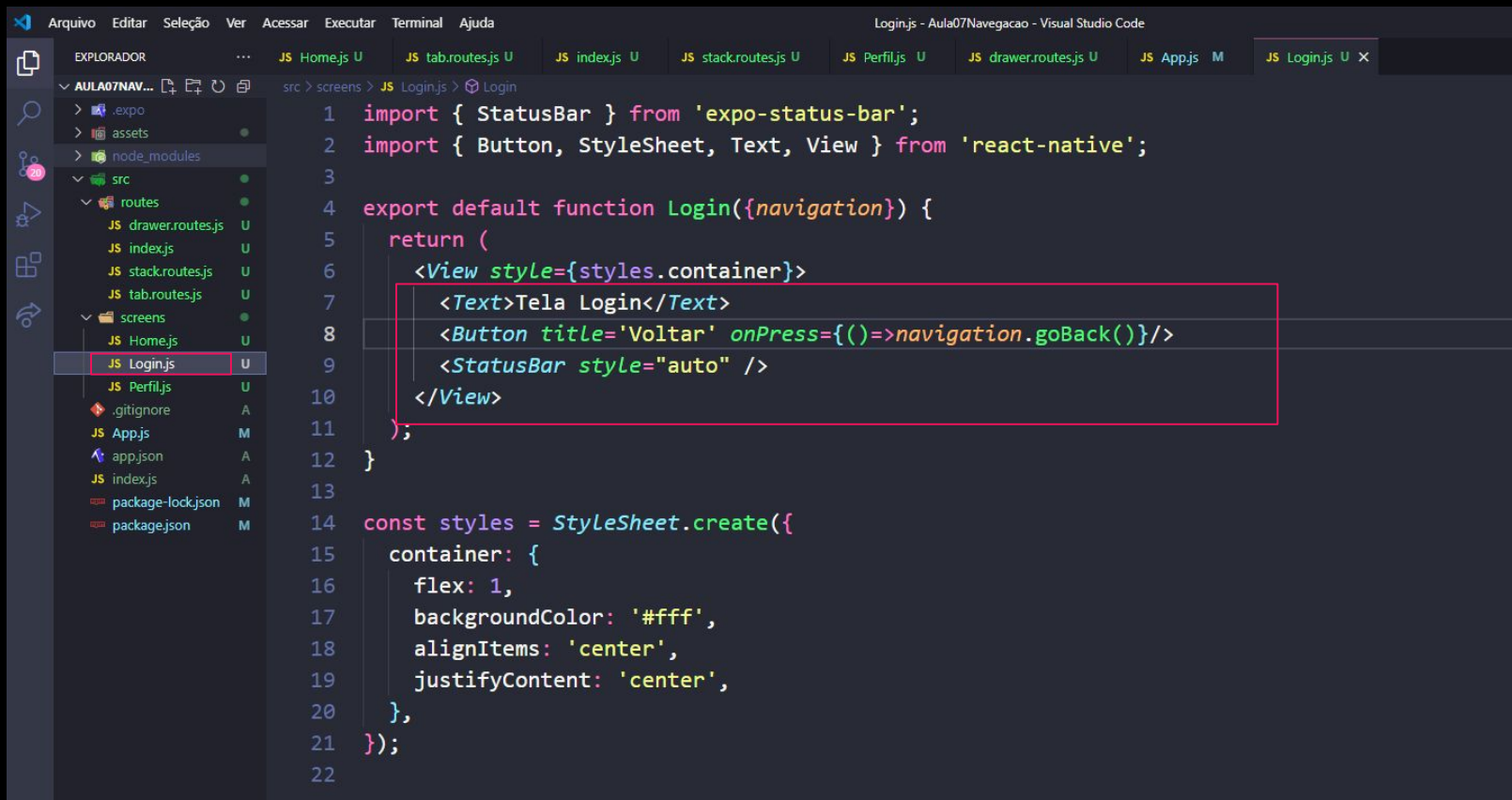
FIAP



```
1 import { StatusBar } from 'expo-status-bar';
2 import { Button, StyleSheet, Text, View } from 'react-native';
3
4
5 export default function Home({navigation}) {
6   return (
7     <View style={styles.container}>
8       <Text>Tela Home</Text>
9       <Button title='Ir para login' onPress={()=>navigation.navigate('stackLogin')} />
10      <StatusBar style="auto" />
11    </View>
12  );
13 }
14
15 const styles = StyleSheet.create({
16   container: {
17     flex: 1,
18     backgroundColor: '#fff',
19     alignItems: 'center',
20     justifyContent: 'center',
21   },
22 });
23
```

Tela Login

FIAP



```
1 import { StatusBar } from 'expo-status-bar';
2 import { Button, StyleSheet, Text, View } from 'react-native';
3
4 export default function Login({navigation}) {
5   return (
6     <View style={styles.container}>
7       <Text>Tela Login</Text>
8       <Button title='Voltar' onPress={()=>navigation.goBack()}/>
9       <StatusBar style="auto" />
10    </View>
11  );
12 }
13
14 const styles = StyleSheet.create({
15   container: {
16     flex: 1,
17     backgroundColor: '#fff',
18     alignItems: 'center',
19     justifyContent: 'center',
20   },
21 });
22
```

Exercício Prático



Desenvolva um simples com no mínimo 03 Telas.

Dúvidas?