

React Native

Funcionamento

<https://tableless.com.br/o-que-voce-deve-saber-sobre-funcionamento-react-native/>

Guia

<https://facebook.github.io/react-native/>

Instalação

<https://facebook.github.io/react-native/docs/getting-started>

FlexBox no React Native

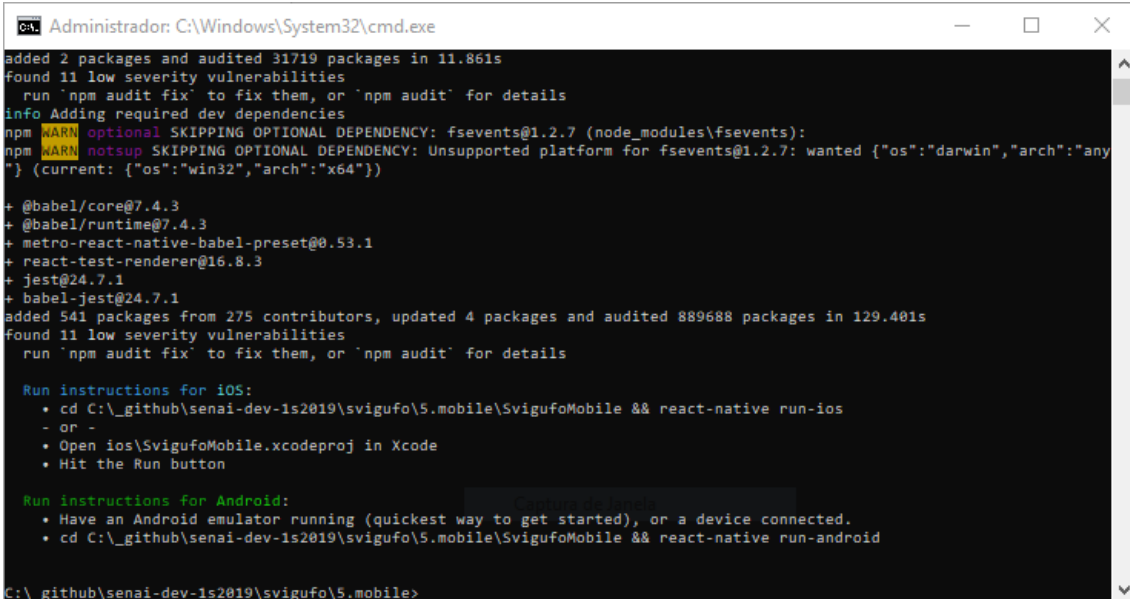
<https://www.youtube.com/watch?v=dUkkOdhyO1w>

JSX

Produzindo a interface nativa

Criar um projeto

react-native init SvgufoMobile



```
Administrador: C:\Windows\System32\cmd.exe
added 2 packages and audited 31719 packages in 11.861s
found 11 low severity vulnerabilities
  run `npm audit fix` to fix them, or `npm audit` for details
info Adding required dev dependencies
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.7 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.7: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
+ @babel/core@7.4.3
+ @babel/runtime@7.4.3
+ metro-react-native-babel-preset@0.53.1
+ react-test-renderer@16.8.3
+ jest@24.7.1
+ babel-jest@24.7.1
added 541 packages from 275 contributors, updated 4 packages and audited 88968 packages in 129.401s
found 11 low severity vulnerabilities
  run `npm audit fix` to fix them, or `npm audit` for details

Run instructions for iOS:
  * cd C:\_github\senai-dev-1s2019\svgufo\5.mobile\SvigufoMobile && react-native run-ios
  - or -
  * Open ios\SvigufoMobile.xcodeproj in Xcode
  * Hit the Run button

Run instructions for Android:
  * Have an Android emulator running (quickest way to get started), or a device connected.
  * cd C:\_github\senai-dev-1s2019\svgufo\5.mobile\SvigufoMobile && react-native run-android

C:\_github\senai-dev-1s2019\svgufo\5.mobile>
```

react-native run-android

Bundler

Lê tudo o que escrevemos

Transpila com o Babel

Joga o js unificado para o dispositivo

Para que ele renderize

Depois de rodar uma vez e gerar o bundler, basta apenas digitar o comando abaixo para iniciar novamente o projeto:

react-native start

react-native run-android somente quando instalar alguma outra dependência.

index.js – é o arquivo que vai carregar assim que a nossa aplicação for montada

AppRegistry – arquivo inicial da aplicação

Componentização – componente – conjunto de código de visualização + lógica + estilização

View – caixa sem estilização

Não utilizamos classes no React Native (css)

render() é o único obrigatório pq é o que renderiza para o usuário

StyleSheet – não tem utilização de hífen, é com cammelcase e aspas para strings – é utilizado
flexbox – Todos os elementos já estão com display: flex;

ROTEIRO

react-native init RNSvigufo

```
C:\Windows\System32\cmd.exe
Microsoft Windows [versão 10.0.17134.706]
(c) 2018 Microsoft Corporation. Todos os direitos reservados.

C:\_github\senai-dev-1s2019\svigufo\5.mobile>react-native init RNSvigufo
This will walk you through creating a new React Native project in C:\_github\senai-dev-1s2019\svigufo\5.mobile\RNSvigufo
'yarn' não é reconhecido como um comando interno
ou externo, um programa operável ou um arquivo em lotes.
Installing react-native...
Consider installing yarn to make this faster: https://yarnpkg.com
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN react-native@0.59.4 requires a peer of react@16.8.3 but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.8 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.8: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ react-native@0.59.4
added 654 packages from 366 contributors and audited 31706 packages in 280.856s
found 11 low severity vulnerabilities
  run `npm audit fix` to fix them, or `npm audit` for details
info Setting up new React Native app in C:\_github\senai-dev-1s2019\svigufo\5.mobile\RNSvigufo
info Adding required dependencies
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.8 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.8: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ react@16.8.3
added 2 packages and audited 31719 packages in 9.77s
found 11 low severity vulnerabilities
  run `npm audit fix` to fix them, or `npm audit` for details
info Adding required dev dependencies
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.8 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.8: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ @babel/core@7.4.3
+ metro-react-native-babel-preset@0.53.1
+ @babel/runtime@7.4.3
+ react-test-renderer@16.8.3
+ jest@24.7.1
+ babel-jest@24.7.1
added 535 packages from 275 contributors, updated 4 packages and audited 890693 packages in 104.499s
found 11 low severity vulnerabilities
  run `npm audit fix` to fix them, or `npm audit` for details

Run instructions for iOS:
  • cd C:\_github\senai-dev-1s2019\svigufo\5.mobile\RNSvigufo && react-native run-ios
  - or -
  • Open ios\RNSvigufo.xcodeproj in Xcode
  • Hit the Run button

Run instructions for Android:
  • Have an Android emulator running (quickest way to get started), or a device connected.
  • cd C:\_github\senai-dev-1s2019\svigufo\5.mobile\RNSvigufo && react-native run-android
```

cd RNSvigufo

C:\Users\helena.strada\Documents\android\emulator

```
emulator -list-avds
```

```
emulator -avd avd_name [ {-option [value]} ... ]
```

```
avdmanager.bat create avd --force --name avdRN --abi
google_apis_playstore/x86 --package "system-images;android-
27;google_apis_playstore;x86"
```

```
emulator -list-avds
```

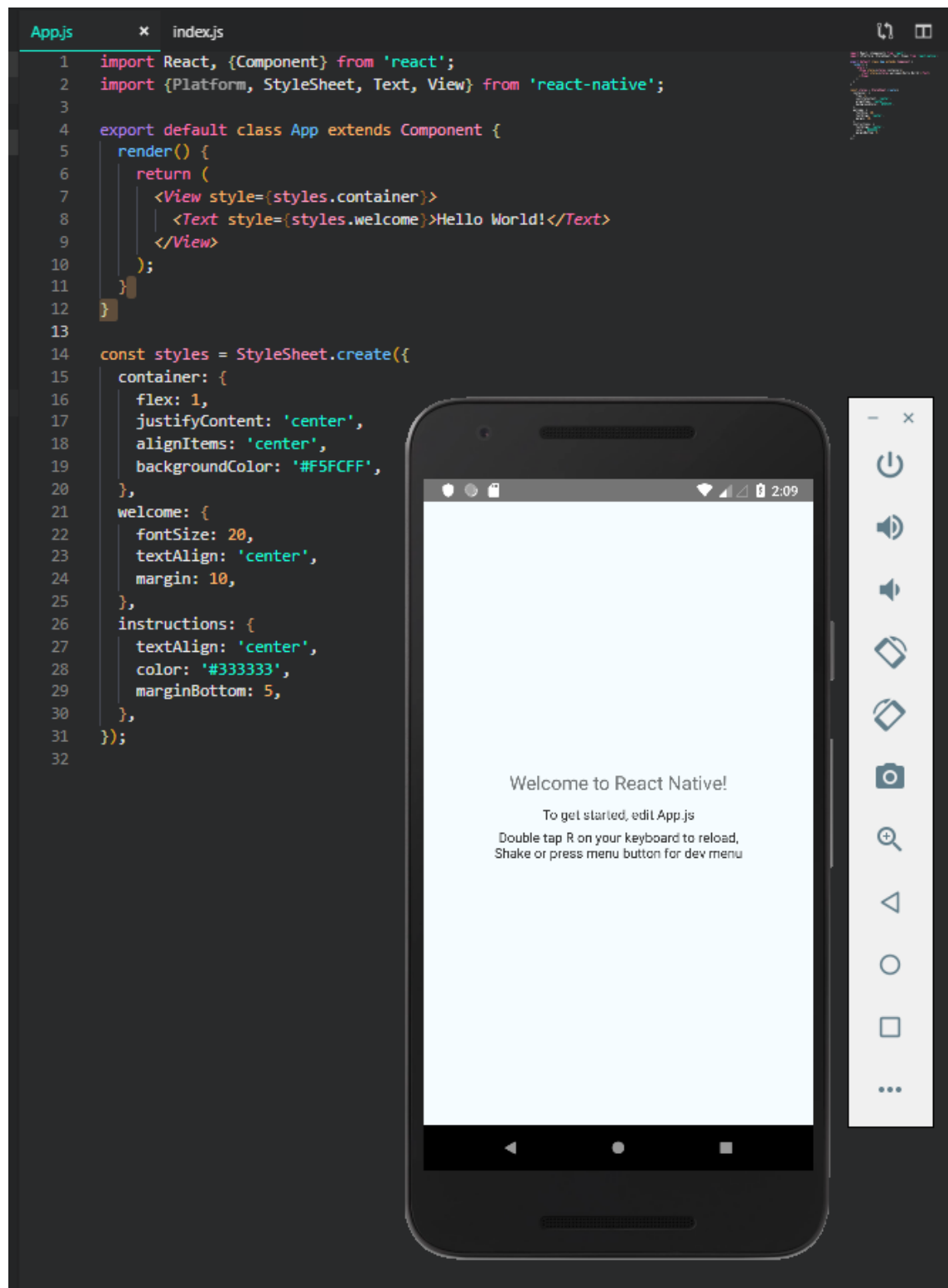
```
emulator -avd avdRN
```

Abrir uma AVD (Android Virtual Device) para realizar os testes durante o desenvolvimento.

react-native run-android

Início abaixo para criação do projeto

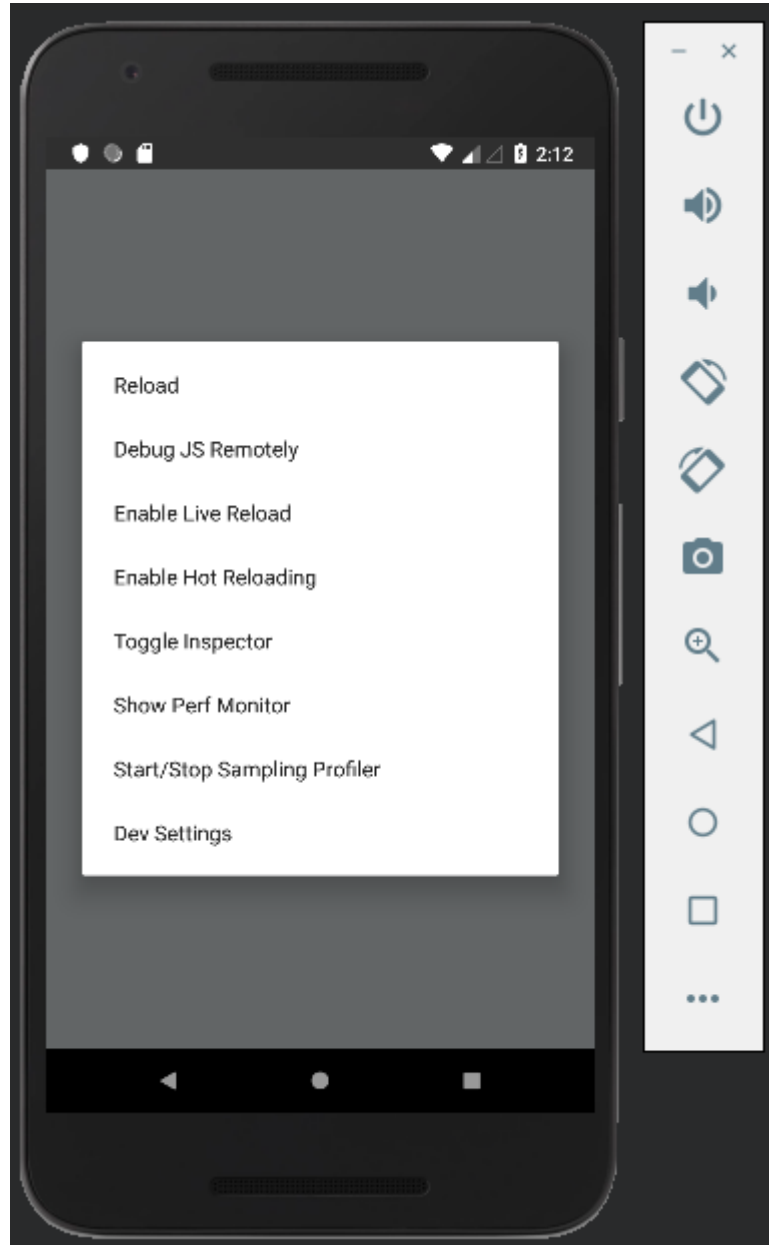
Remover os props e alterar o valor do Text.



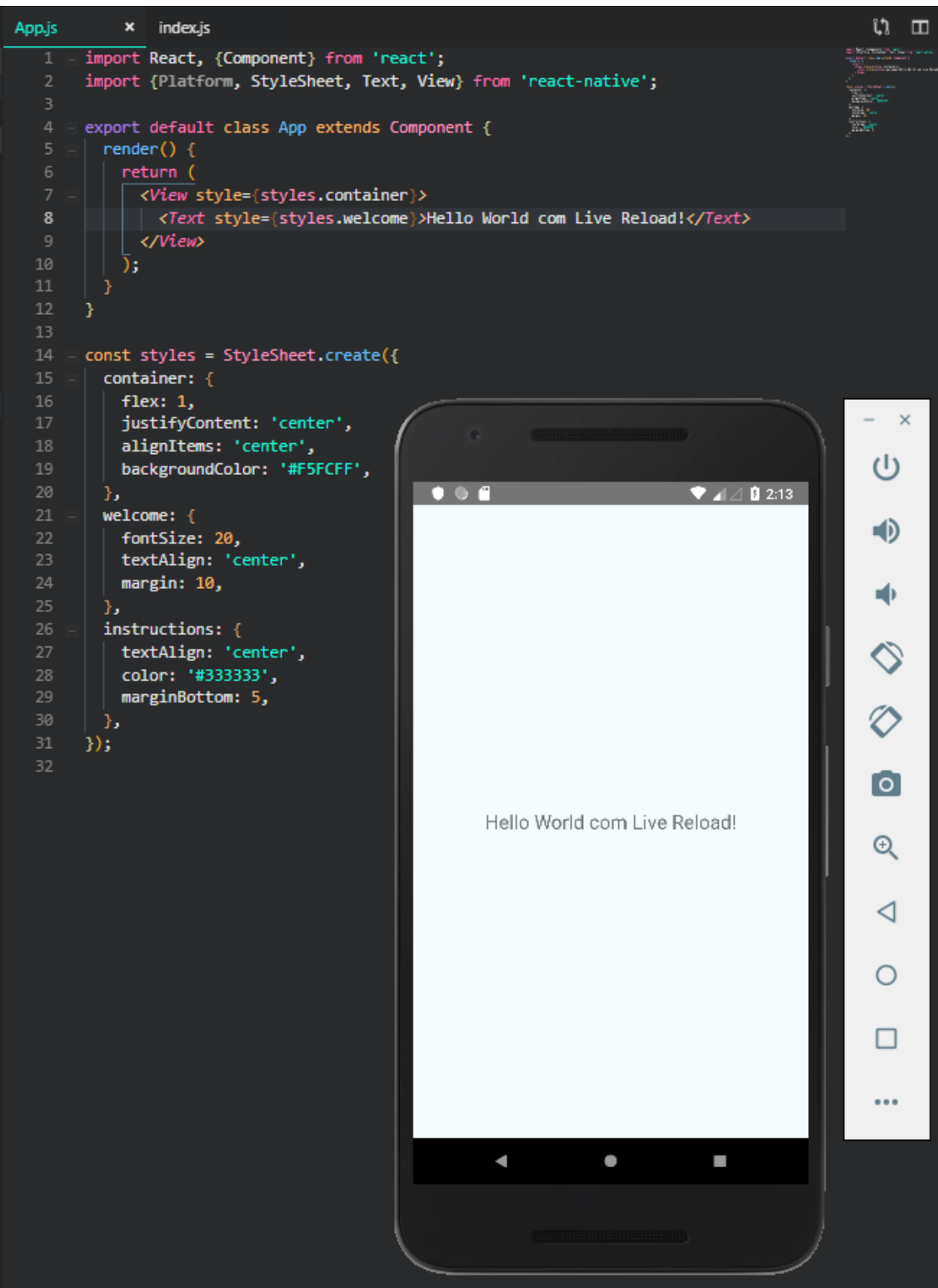
Para atualizar o valor na tela, basta ir na avd e apertar R 2x. Há uma outra opção para habilitar o live reload.

Para abrir o menu, aperte CTRL+M.

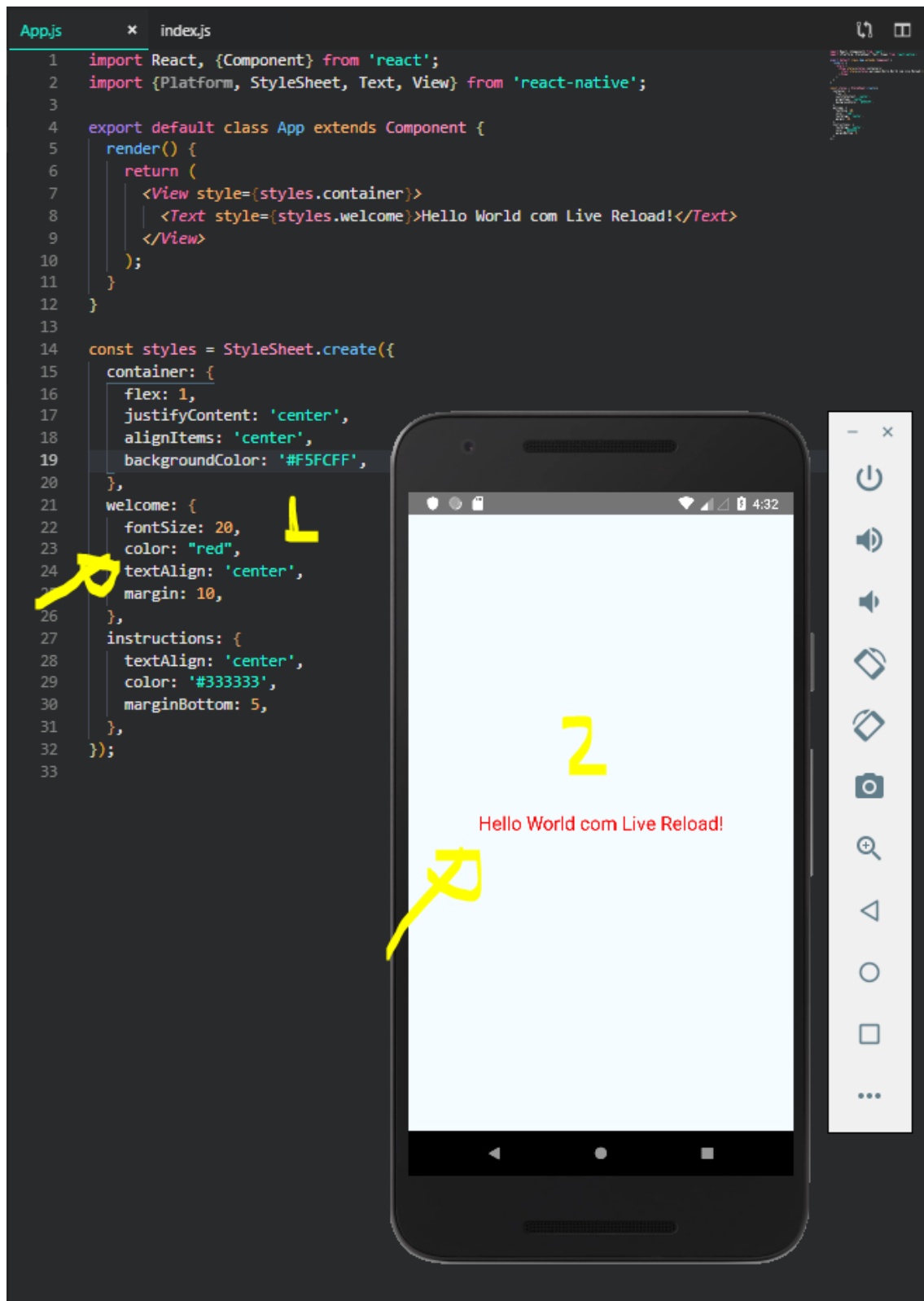
Coloque a opção Enable Live Reload.



Altere o texto do conteúdo e visualize as informações alteradas no mobile.



Alterar a cor do texto



TÓPICOS

Criar src

Criar as pastas : assets, config, pages, services

Arquivo index.js na pasta 'src'

No arquivo index.js da raiz do projeto, alterar a navegação para ser chamada para o index.js

Criar o arquivo index.js na src, colocar os itens referentes a bottomTabNavigator e no AppContainer, incluir somente este navigator criado

Criar a main com os tópicos selecionados

Incluir axios

Criar profile

Incluir os itens associados

Rodar a aplicação e testar a lista e o perfil

Criar no index.js da src, a stackNavigator e incluir um switchNavigator no appContainer, incluindo a que foi criada

Criar a tela de signin, incluir os itens selecionados

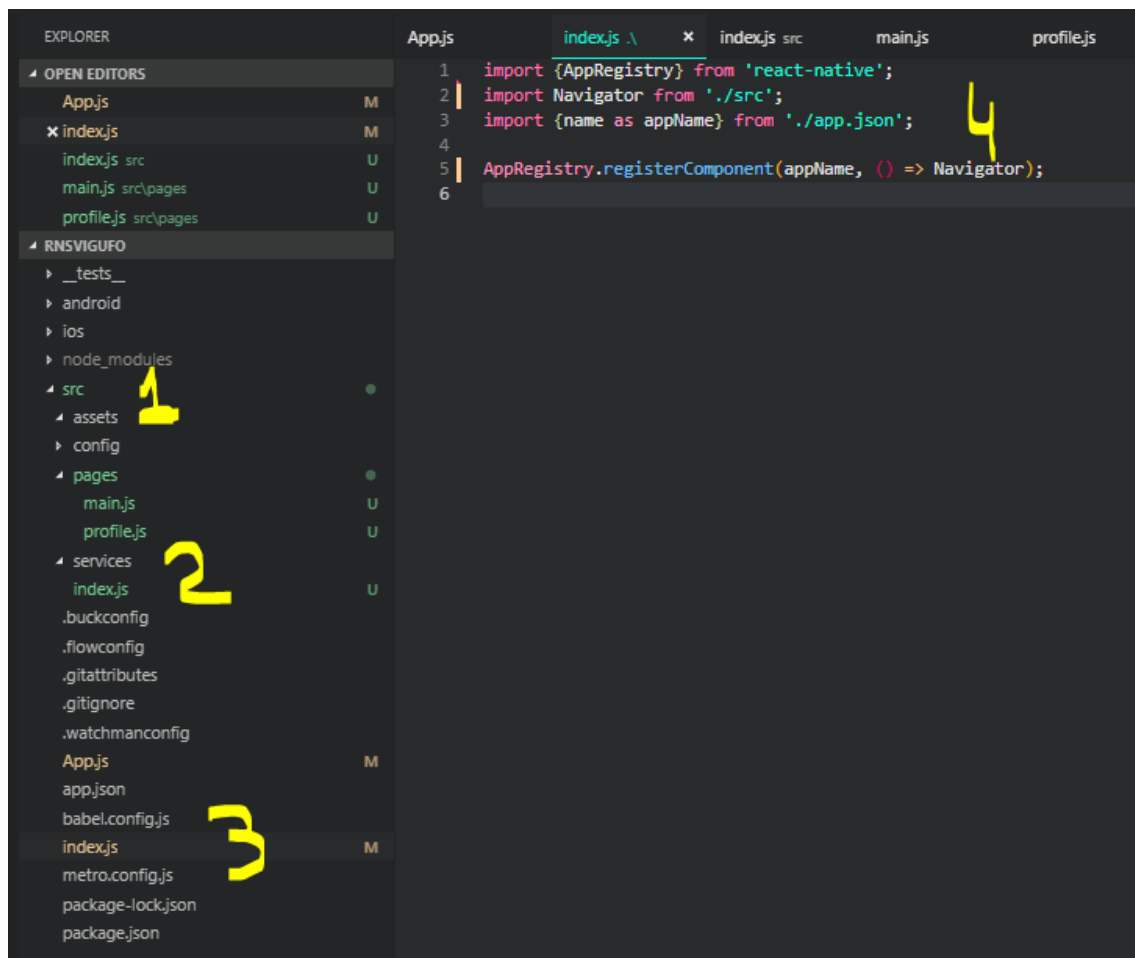
Alterar a tela de profile, para buscar os valores do token

npm install jwt-decode

Criar a pasta src

assets, config, pages, services

index.js



Criar dois novos arquivos dentro da pasta de pages (main.js e profile.js)

Alterar o arquivo index.js na raiz do projeto para importar o arquivo Navigator da pasta ./src/index.js

Conteúdo da main.js

```
App.js      index.js \      index.js src      main.js      *      profile.js
1  import React, { Component } from "react";
2
3  import { Text } from "react-native";
4
5  class Main extends Component {
6    render() {
7      return <Text>Página Principal</Text>;
8    }
9  }
10
11 export default Main;
12
```

Conteúdo da profile.js

```
index.js \      index.js src      main.js      profile.js      *
import React, { Component } from "react";

import { Text } from "react-native";

class Profile extends Component {
  render() {
    return <Text>Página Perfil</Text>;
  }
}

export default Profile;
```

Como realizar a navegação entre as telas?

<https://facebook.github.io/react-native/docs/navigation>

```
npm install --save react-navigation
npm install --save react-native-gesture-handler
react-native link react-native-gesture-handler
```

Alterar o arquivo index.js dentro da pasta src.

```
import { createStackNavigator, createAppContainer, createBottomTabNavigator } from "react-navigation";

import Main from "../pages/main";
import Profile from "../pages/profile";

const MainNavigator = createBottomTabNavigator({
  Main,
  Profile
});

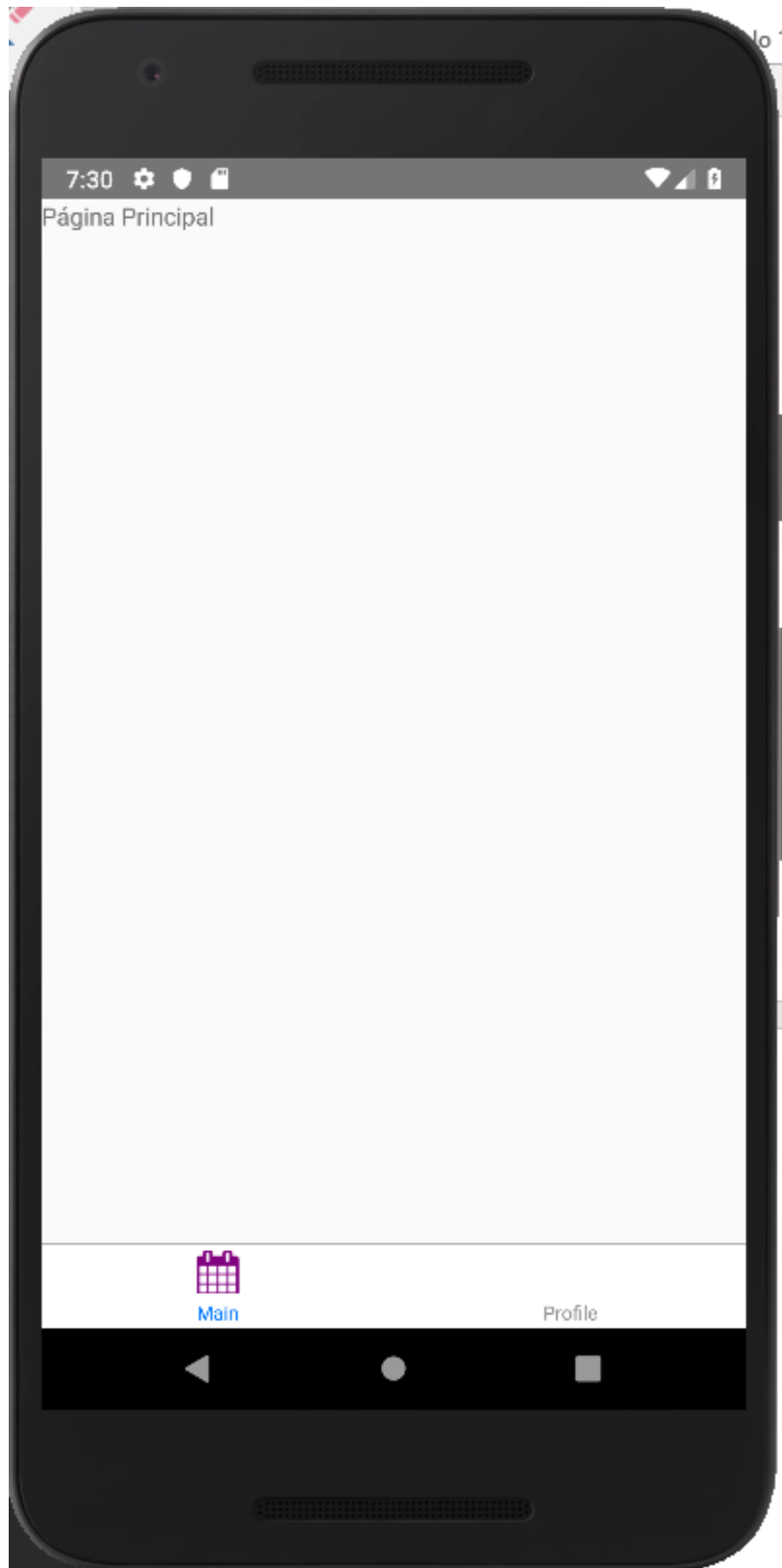
export default createAppContainer(MainNavigator);
```

Alterar o main.js para adicionar um ícone na navegação

```
import { Text, Image } from "react-native";

class Main extends Component {
  static navigationOptions = {
    tabBarIcon: ({ tintColor }) => (
      <Image
        source={require("../assets/img/calendar.png")}
        style={{ width: 25, height: 25, tintColor: "purple" }}
      />
    )
  };

  render() {
    return <Text>Página Principal</Text>;
  }
}
```



Importar o StyleSheet e incluir o estilo na main.js.

```
import React, { Component } from "react";

import { Text, Image, StyleSheet } from "react-native";

class Main extends Component {
  static navigationOptions = {
    tabBarIcon: ({ tintColor }) => (
      <Image
        source={require("../assets/img/calendar.png")}
        style={styles.tabNavigatorIconHome}
      />
    )
  };

  render() {
    return <Text>Página Principal</Text>;
  }
}

const styles = StyleSheet.create({
  tabNavigatorIconHome: {
    width: 25,
    height: 25,
    tint-color: "purple"
  }
});

export default Main;
```

Alterar o estilo no profile.js.

```
import React, { Component } from "react";

import { Text, Image, StyleSheet } from "react-native";

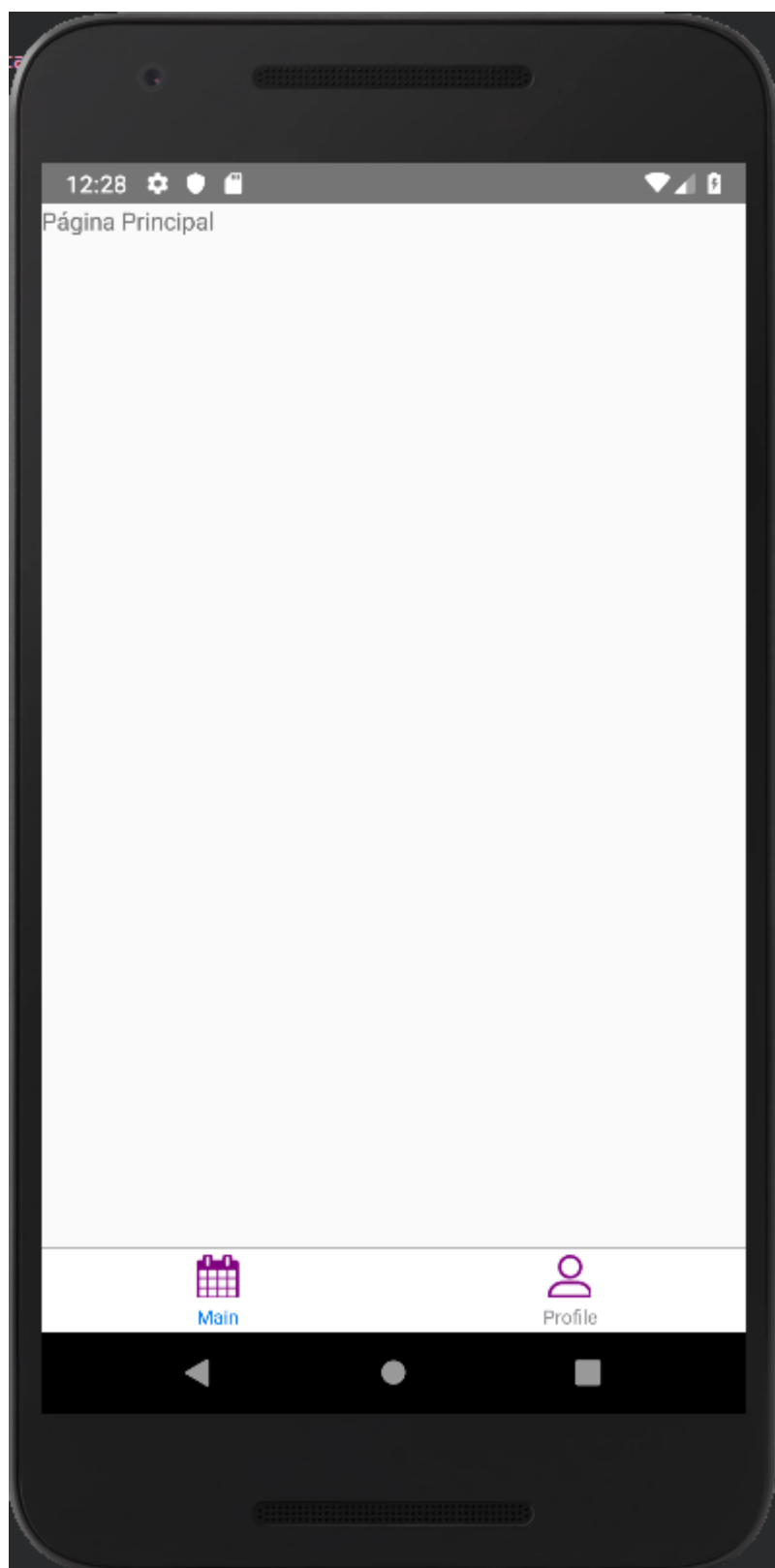
class Profile extends Component {
  static navigationOptions = {
    tabBarIcon: ({ tint-color }) => (
      <Image
        source={require("../assets/img/profile.png")}
        style={styles.tabNavigatorIconProfile}
      />
    )
  };

  render() {
    return <Text>Página Perfil</Text>;
  }
}

const styles = StyleSheet.create({
  tabNavigatorIconProfile: {
    width: 25,
    height: 25,
    tint-color: "purple"
  }
});

export default Profile;
```

Resultado da alteração entre main e profile.js.



Alterando o index.js da pasta src.js para realizar a mudança na navegação.

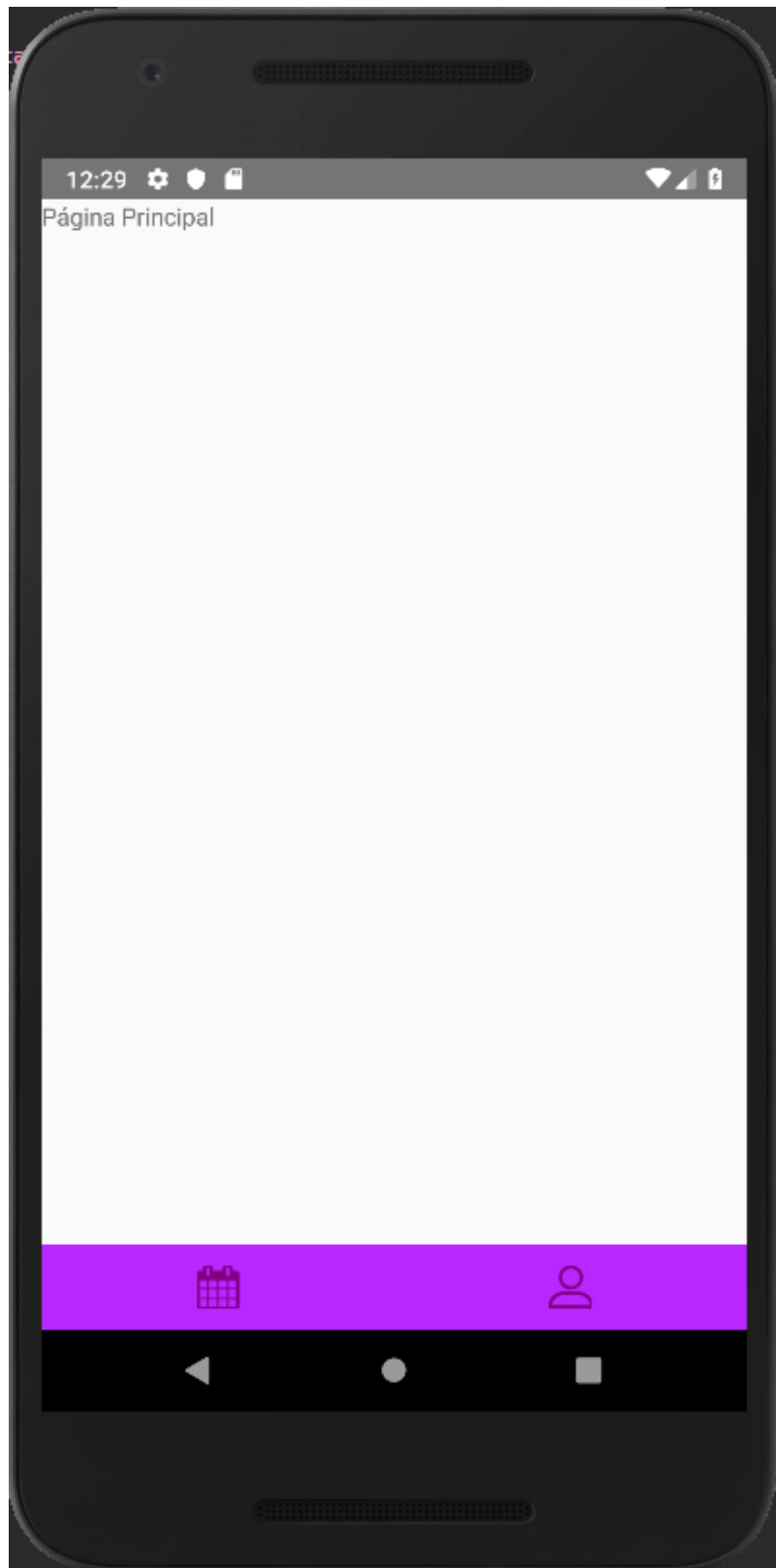
```
import {
  createStackNavigator,
  createAppContainer,
  createBottomTabNavigator
} from "react-navigation";

import Main from "../pages/main";
import Profile from "../pages/profile";

const MainNavigator = createBottomTabNavigator(
  {
    Main,
    Profile
  },
  {
    swipeEnabled: true,
    tabBarOptions: {
      showLabel: false,
      showIcon: true,
      inactiveBackgroundColor: "#8727FF",
      activeBackgroundColor: "#8727FF",
      activeTintColor: "#FFFFFF",
      inactiveTintColor: "#FFFFFF",
      style: {
        height: 50
      }
    }
  }
);

export default createAppContainer(MainNavigator);
```

Resultado ao alterar o estilo



Alterar novamente o main.js e o profile.js para deixar os ícones brancos.

The image displays two side-by-side code editors, likely VS Code, showing the implementation of a React Native application with two tabs: 'Main' and 'Profile'.

Left Editor (main.js):

- Imports React, Component, Text, Image, and StyleSheet from 'react-native'.
- Defines a class `Main` extending `Component`.
- Static property `navigationOptions` is defined with a `tabBarIcon` function that returns an `Image` component with `source` pointing to `../assets/img/calendar.png` and `style` `styles.tabNavigatorIconHome`.
- The `render` method returns `<Text>Página Principal</Text>`.
- A `styles` object is created using `StyleSheet.create` with a `tabNavigatorIconHome` style: `{ width: 25, height: 25, tint_color: 'purple', tint_color: '#FFFFFF' }`.
- The `export default Main;` statement is at the bottom.

Right Editor (profile.js):

- Imports React, Component, Text, Image, and StyleSheet from 'react-native'.
- Defines a class `Profile` extending `Component`.
- Static property `navigationOptions` is defined with a `tabBarIcon` function that returns an `Image` component with `source` pointing to `../assets/img/profile.png` and `style` `styles.tabNavigatorIconProfile`.
- The `render` method returns `<Text>Página Perfil</Text>`.
- A `styles` object is created using `StyleSheet.create` with a `tabNavigatorIconProfile` style: `{ width: 25, height: 25, tint_color: 'purple', tint_color: '#FFFFFF' }`.
- The `export default Profile;` statement is at the bottom.

Yellow arrows highlight the `tint_color: 'purple'` and `tint_color: '#FFFFFF'` properties in the style objects in both files.



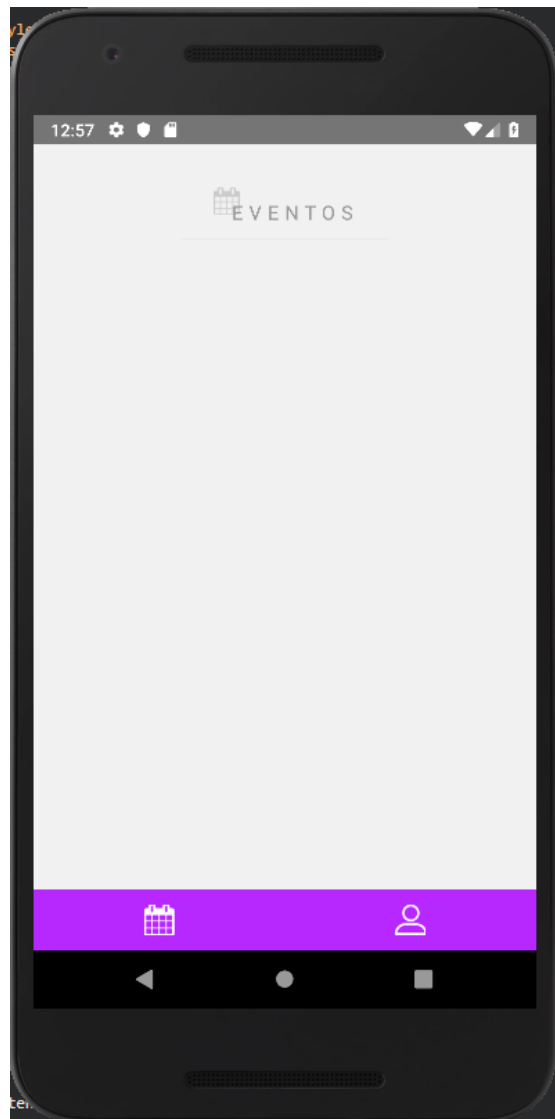
Alterando o main.js.

Alterar a construção do layout.

```
render() {
  return (
    <View style={styles.main}>
      <View style={styles.mainHeader}>
        <View style={styles.mainHeaderRow}>
          <Image
            source={require("../assets/img/calendar.png")}
            style={styles.mainHeaderImg}
          />
          <Text style={styles.mainHeaderText}>{"Eventos".toUpperCase()}</Text>
        </View>
        <View style={styles.mainHeaderLine} />
      </View>
      <View style={styles.mainBody} />
    </View>
  );
}
```

Alterar o conteúdo dos estilos.

```
const styles = StyleSheet.create({
  tabNavigatorIconHome: {
    width: 25,
    height: 25,
    // tintColor: "purple"
    tintColor: "#FFFFFF"
  },
  main: {
    flex: 1,
    backgroundColor: "#F1F1F1"
  },
  mainHeaderRow: {
    flexDirection: "row"
  },
  mainHeader: {
    flex: 1,
    justifyContent: "center",
    alignItems: "center"
  },
  mainHeaderImg: {
    width: 22,
    height: 22,
    tintColor: "#cccccc",
    marginRight: -9,
    marginTop: -9
  },
  mainHeaderText: {
    fontSize: 16,
    letterSpacing: 5,
    color: "#999999",
    fontFamily: "OpenSans-Regular"
  },
  mainHeaderLine: {
    width: 170,
    paddingTop: 10,
    borderBottomColor: "#999999",
    borderBottomWidth: 0.9
  },
  mainBody: {
    // backgroundColor: "blue",
    flex: 4
  }
});
```



Incluir a lista de eventos na main.js.

```
constructor(props) {  
  super(props);  
  this.state = {  
    | listaEventos: [{ id: 1, titulo: "Titulo A", dataEvento: "18/03/1993" }]  
  };  
}
```

Incluir a FlatList

Possui alguns parâmetros: estilo, informação que será mostrada, a chave para cada item da linha, e qual método será chamado para renderizar os itens disponíveis.

```

render() {
  return (
    <View style={styles.main}>
      <View style={styles.mainHeader}>
        <View style={styles.mainHeaderRow}>
          <Image
            source={require("../assets/img/calendar.png")}
            style={styles.mainHeaderImg}
          />
          <Text style={styles.mainHeaderText}>{"Eventos".toUpperCase()}</Text>
        </View>
        <View style={styles.mainHeaderLine} />
      </View>
      <View style={styles.mainBody}>
        <FlatList
          contentContainerStyle={styles.mainBodyConteudo}
          data={this.state.listaEventos}
          keyExtractor={item => item.id}
          renderItem={this.renderizaItem}
        />
      </View>
    </View>
  );
}

```

Criando cada item da linha.

```

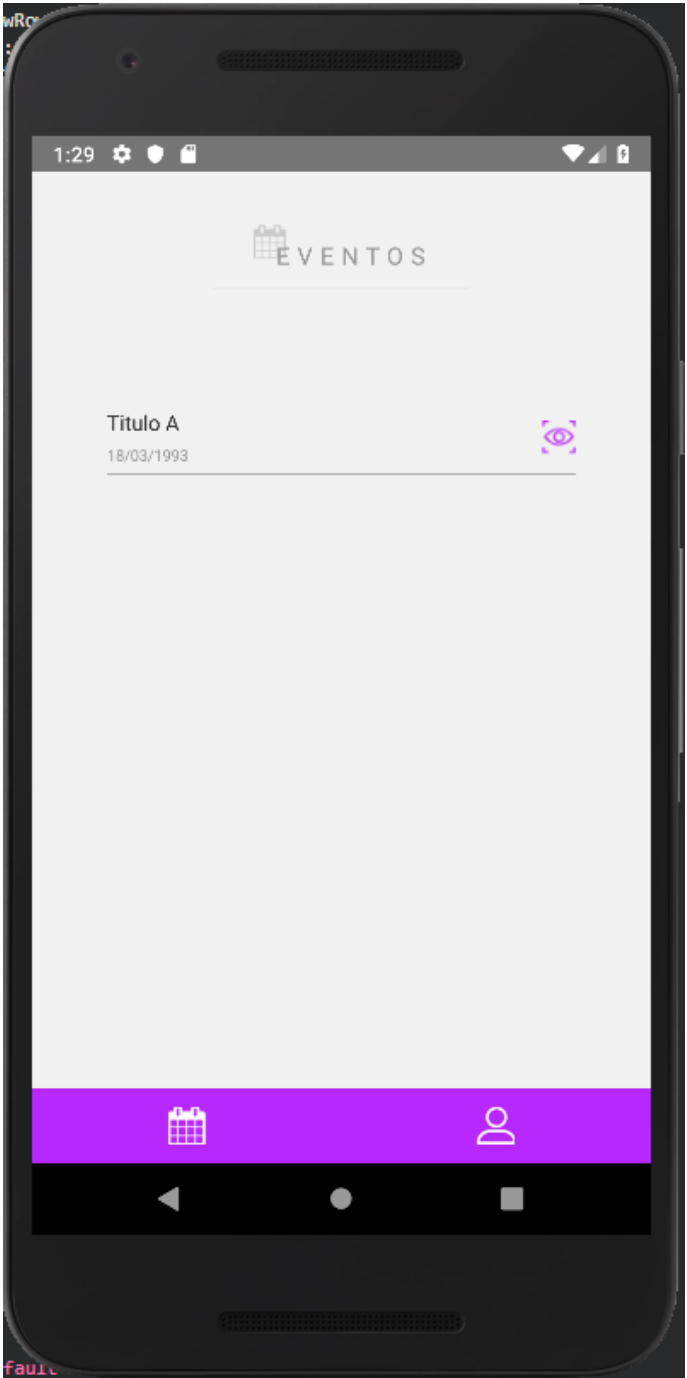
renderizaItem = ({ item }) => (
  <View style={styles.flatItemLinha}>
    <View style={styles.flatItemContainer}>
      <Text style={styles.flatItemTitulo}>{item.titulo}</Text>
      <Text style={styles.flatItemData}>{item.dataEvento}</Text>
    </View>
    <View style={styles.flatItemImg}>
      <Image
        source={require("../assets/img/view.png")}
        style={styles.flatItemImgIcon}
      />
    </View>
  </View>
);

```

Adicionando todos os estilos.

```
//  
// corpo do texto  
mainBody: {  
  // backgroundColor: "blue",  
  flex: 4  
},  
// conteúdo da lista  
mainBodyConteudo: {  
  paddingTop: 30,  
  paddingRight: 50,  
  paddingLeft: 50  
},  
// dados do evento de cada item da linha  
flatItemLinha: {  
  flexDirection: "row",  
  borderBottomWidth: 0.9,  
  borderBottomColor: "gray"  
},  
flatItemContainer: {  
  flex: 7,  
  marginTop: 5  
},  
flatItemTitulo: {  
  fontSize: 14,  
  color: "#333",  
  fontFamily: "OpenSans-Light"  
},  
flatItemData: {  
  fontSize: 10,  
  color: "#999",  
  lineHeight: 24  
},  
flatItemImg: {  
  justifyContent: "center",  
  alignContent: "center",  
  alignItems: "center"  
},  
flatItemImgIcon: {  
  width: 22,  
  height: 22,  
  tint_color: "#8727FF"  
}
```

Resultado da Lista criada



Classe main.js completa

```
class Main extends Component {
  static navigationOptions = {
    tabBarIcon: ({ tintColor }) => (
      <Image
        source={require("../assets/img/calendar.png")}
        style={styles.tabNavigatorIconHome}
      />
    )
  };

  constructor(props) {
    super(props);
    this.state = {
      listaEventos: [{ id: 1, titulo: "Titulo A", dataEvento: "18/03/1993" }]
    };
  }

  render() {
    return (
      <View style={styles.main}>
        <View style={styles.mainHeader}>
          <View style={styles.mainHeaderRow}>
            <Image
              source={require("../assets/img/calendar.png")}
              style={styles.mainHeaderImg}
            />
            <Text style={styles.mainHeaderText}>{"Eventos".toUpperCase()}</Text>
          </View>
          <View style={styles.mainHeaderLine} />
        </View>
        <View style={styles.mainBody}>
          <FlatList
            contentContainerStyle={styles.mainBodyConteudo}
            data={this.state.listaEventos}
            keyExtractor={item => item.id}
            renderItem={this.renderizaItem}
          />
        </View>
      </View>
    );
  }

  renderizaItem = ({ item }) => (
    <View style={styles.flatItemLinha}>
      <View style={styles.flatItemContainer}>
        <Text style={styles.flatItemTitulo}>{item.titulo}</Text>
        <Text style={styles.flatItemData}>{item.dataEvento}</Text>
      </View>
      <View style={styles.flatItemImg}>
        <Image
          source={require("../assets/img/view.png")}
          style={styles.flatItemImgIcon}
        />
      </View>
    </View>
  );
}
```

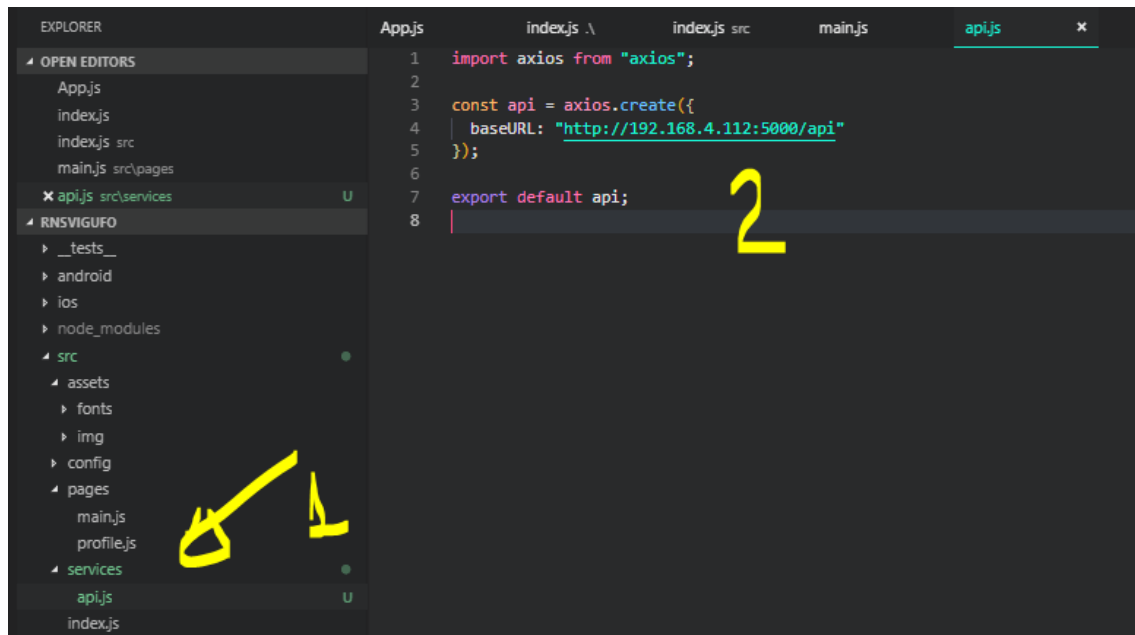
Estilo da main.js completo.

```
const styles = StyleSheet.create({
  tabNavigatorIconHome: {
    width: 25,
    height: 25,
    // tintColor: "purple"
    tintColor: "#FFFFFF"
  },
  // conteúdo da main
  main: {
    flex: 1,
    backgroundColor: "#F1F1F1"
  },
  // cabecalho
  mainHeaderRow: {
    flexDirection: "row"
  },
  mainHeader: {
    flex: 1,
    justifyContent: "center",
    alignItems: "center"
  },
  // imagem da cabecalho
  mainHeaderImg: {
    width: 22,
    height: 22,
    tintColor: "#cccccc",
    marginRight: -9,
    marginTop: -9
  },
  // texto da cabecalho
  mainHeaderText: {
    fontSize: 16,
    letterSpacing: 5,
    color: "#999999",
    fontFamily: "OpenSans-Regular"
  },
  // linha de separação da cabecalho
  mainHeaderLine: {
    width: 170,
    paddingTop: 10,
    borderBottomColor: "#999999",
    borderBottomWidth: 0.9
  },
  // corpo do texto
  mainBody: {
    // backgroundColor: "blue",
    flex: 4
  },
  // conteúdo da lista
  mainBodyConteudo: {
    paddingTop: 30,
    paddingRight: 50,
    paddingLeft: 50
  },
  // dados do evento de cada item da linha
  flatItemLinha: {
    flexDirection: "row",
    borderBottomWidth: 0.9,
    borderBottomColor: "gray"
  },
  flatItemContainer: {
    flex: 7,
    marginTop: 5
  },
  flatItemTitulo: {
    fontSize: 14,
    color: "#333",
    fontFamily: "OpenSans-Light"
  },
  flatItemData: {
    fontSize: 10,
    color: "#999",
    lineHeight: 24
  },
  flatItemImg: {
    justifyContent: "center",
    alignContent: "center",
    alignItems: "center"
  },
  flatItemImgIcon: {
    width: 22,
    height: 22,
    tintColor: "#8727FF"
  }
});
```


Realizado a chamada a API

npm install --save axios

Criar um arquivo chamado api.js dentro da pasta src.



The screenshot shows the VS Code interface. On the left, the Explorer sidebar shows the project structure with the 'src' folder expanded and 'services' selected. A yellow checkmark is next to 'services'. In the center, the Explorer shows the 'api.js' file created under 'src/services'. On the right, the editor shows the content of 'api.js':

```
1 import axios from "axios";
2
3 const api = axios.create({
4   |  baseURL: "http://192.168.4.112:5000/api"
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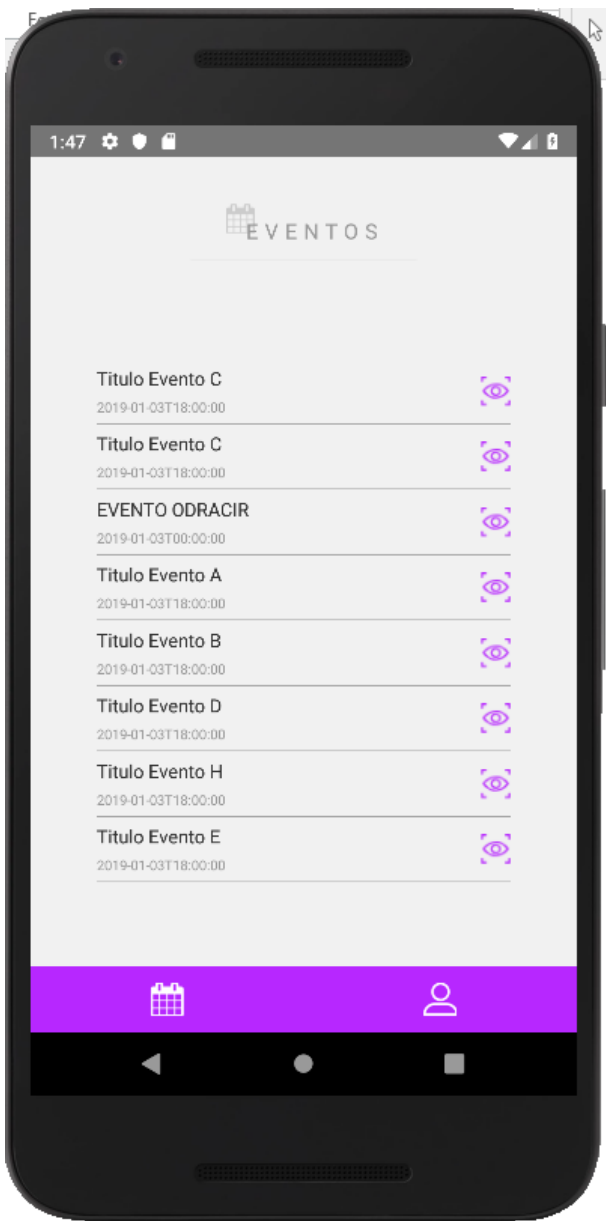
Realizar a alteração no main.js para realizar a chamada à API.



The screenshot shows the VS Code editor with the 'main.js' file open. The code is as follows:

```
1 import api from "../services/api";
2
3 class Main extends Component {
4   static navigationOptions = {
5     tabBarIcon: ({ tintColor }) => (
6       <Image
7         source={require("../assets/img/calendar.png")}
8         style={styles.tabNavigatorIconHome}
9       />
10     )
11   };
12
13   constructor(props) {
14     super(props);
15     this.state = {
16       // listaEventos: [{ id: 1, titulo: "Titulo A", dataEvento: "18/03/1993" }]
17       listaEventos: []
18     };
19   }
20
21   componentDidMount() {
22     this.carregarEventos();
23   }
24
25   carregarEventos = async () => {
26     const resposta = await api.get("/eventos");
27
28     const dadosDaApi = resposta.data;
29
30     this.setState({ listaEventos: dadosDaApi });
31   };
32 }
```

Resultado da alteração.



Atualizando o header da página de perfil (profile).

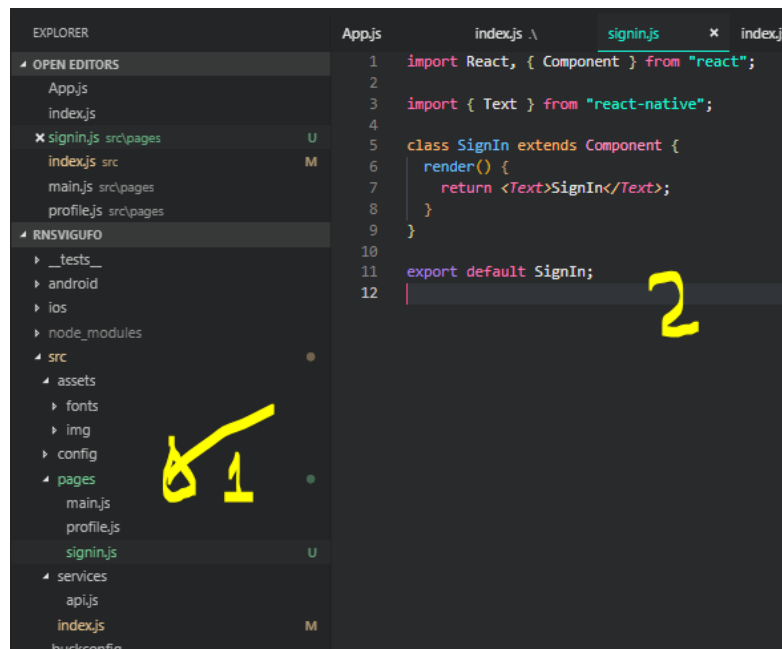
profile.js

```
render() {  
  return (  
    <View style={styles.main}>  
      <View style={styles.mainHeader}>  
        <View style={styles.mainHeaderRow}>  
          <Image  
            source={require("../assets/img/profile.png")}  
            style={styles.mainHeaderImg}  
          />  
          <Text style={styles.mainHeaderText}>{"Perfil".toUpperCase()}</Text>  
        </View>  
        <View style={styles.mainHeaderLine} />  
      </View>  
      <View style={styles.mainBody} />  
    </View>  
  );  
}
```

Criando um estilo no profile.js.

```
const styles = StyleSheet.create({
  tabNavigatorIconProfile: {
    width: 25,
    height: 25,
    // tintColor: "purple"
    tintColor: "#FFFFFF"
  },
  main: {
    flex: 1,
    backgroundColor: "#F1F1F1"
  },
  mainHeader: {
    flex: 1,
    justifyContent: "center",
    alignItems: "center"
  },
  mainHeaderRow: {
    flexDirection: "row"
  },
  mainHeaderImg: {
    width: 22,
    height: 22,
    tintColor: "#cccccc",
    marginRight: -9,
    marginTop: -9
  },
  mainHeaderText: {
    fontSize: 16,
    letterSpacing: 5,
    color: "#999999",
    fontFamily: "OpenSans-Regular"
  },
  mainHeaderLine: {
    width: 170,
    paddingTop: 10,
    borderBottomColor: "gray",
    borderBottomWidth: 0.9
  },
  mainBody: {
    flex: 4
  }
});
```

Criando tela de login.



```
1 import React, { Component } from "react";
2
3 import { Text } from "react-native";
4
5 class SignIn extends Component {
6   render() {
7     return <Text>SignIn</Text>;
8   }
9 }
10
11 export default SignIn;
```

Alterar o index.js dentro da pasta src.



```
1 import {
2   createStackNavigator,
3   createAppContainer,
4   createBottomTabNavigator,
5   createSwitchNavigator
6 } from "react-navigation";
7
8 import Main from "../pages/main";
9 import Profile from "../pages/profile";
10 import SignIn from "../pages/signin";
11
12 const AuthStack = createStackNavigator({ SignIn });
13
14 const MainNavigator = createBottomTabNavigator(
15   {
16     Main,
17     Profile
18   },
19   {
20     swipeEnabled: true,
21     tabBarOptions: {
22       showLabel: false,
23       showIcon: true,
24       inactiveBackgroundColor: "#8727FF",
25       activeBackgroundColor: "#8727FF",
26       activeTintColor: "#FFFFFF",
27       inactiveTintColor: "#FFFFFF",
28       style: {
29         height: 50
30       }
31     }
32   }
33 );
34
35 // export default createAppContainer(MainNavigator);
36
37 export default createAppContainer(
38   createSwitchNavigator(
39     {
40       MainNavigator,
41       AuthStack
42     },
43     { initialRouteName: "AuthStack" }
44   )
45 );
```

Resultado da tela de login.



Realizando as alterações na tela de login (signin.js).

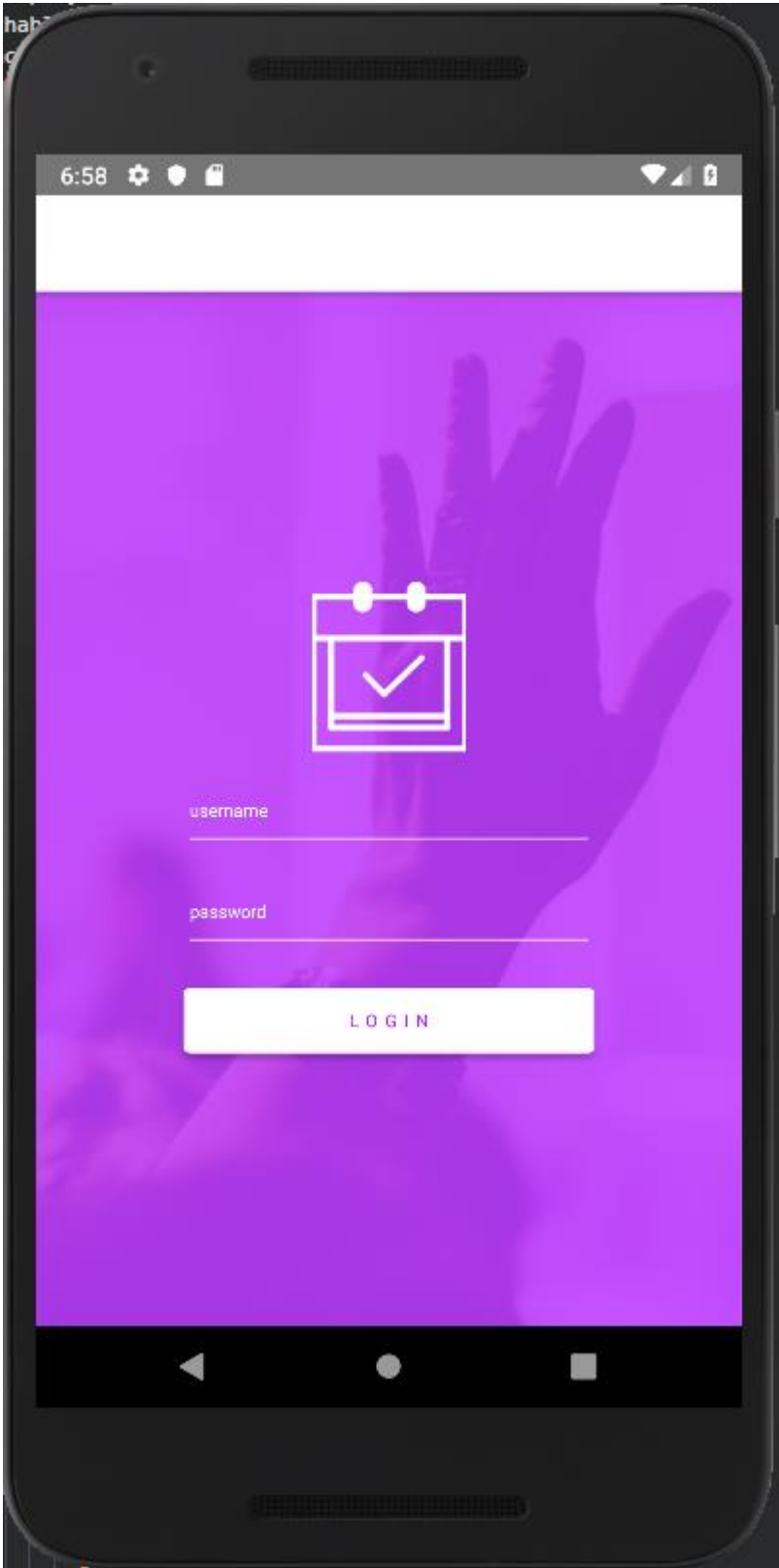
```
import {
  StyleSheet,
  View,
  Text,
  Image,
  ImageBackground,
  TextInput,
  TouchableOpacity
} from "react-native";

class SignIn extends Component {
  render() {
    return (
      <ImageBackground
        source={require("../assets/img/login.png")}
        style={StyleSheet.absoluteFillObject}
      >
        <View style={styles.overlay} />
        <View style={styles.main}>
          <Image
            source={require("../assets/img/loginIcon2x.png")}
            style={styles.mainImgLogin}
          />
          <TextInput
            style={styles.inputLogin}
            placeholder="username"
            placeholderTextColor="#FFFFFF"
            underlineColorAndroid="#FFFFFF"
          />
          <TextInput
            style={styles.inputLogin}
            placeholder="password"
            placeholderTextColor="#FFFFFF"
            password="true"
            underlineColorAndroid="#FFFFFF"
          />
          <TouchableOpacity style={styles.btnLogin}>
            <Text style={styles.btnLoginText}>LOGIN</Text>
          </TouchableOpacity>
        </View>
      </ImageBackground>
    );
  }
}
```

Adicionar o estilo ao signin.js.

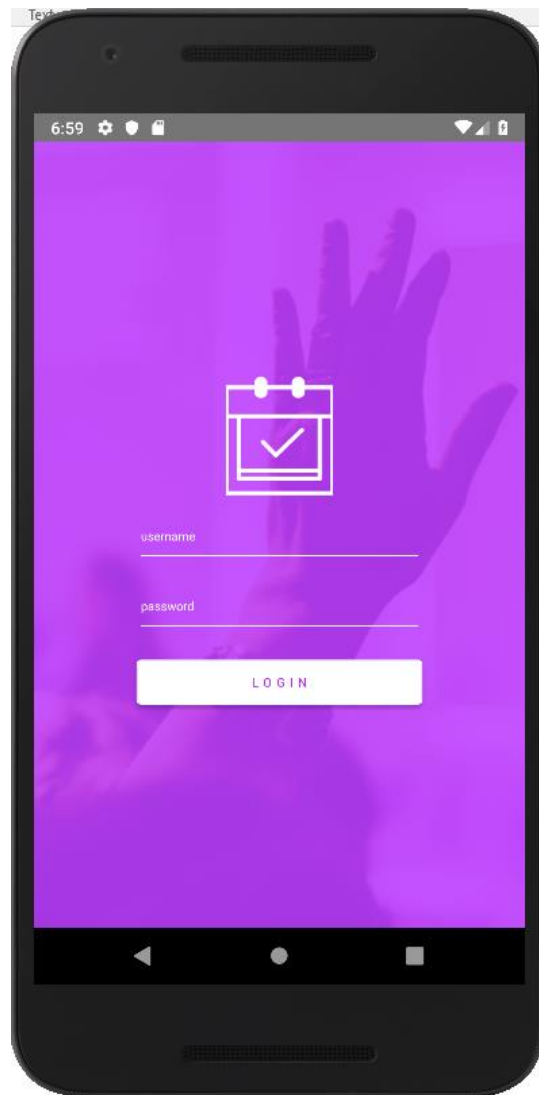
```
const styles = StyleSheet.create({
  overlay: {
    ...StyleSheet.absoluteFillObject,
    backgroundColor: "rgba(183, 39, 255, 0.79)"
  },
  main: {
    width: "100%",
    height: "100%",
    justifyContent: "center",
    alignContent: "center",
    alignItems: "center"
  },
  mainImgLogin: {
    tint_color: "#FFFFFF",
    height: 100,
    width: 90,
    margin: 10
  },
  btnLogin: {
    height: 38,
    shadowColor: "rgba(0,0,0, 0.4)", // IOS
    shadowOffset: { height: 1, width: 1 }, // IOS
    shadowOpacity: 1, // IOS
    shadowRadius: 1, //IOS
    elevation: 3, // Android
    width: 240,
    borderRadius: 4,
    borderWidth: 1,
    borderColor: "#FFFFFF",
    backgroundColor: "#FFFFFF",
    justifyContent: "center",
    alignItems: "center",
    marginTop: 10
  },
  btnLoginText: {
    fontSize: 10,
    fontFamily: "OpenSans-Light",
    color: "#B727FF",
    letterSpacing: 4
  },
  inputLogin: {
    width: 240,
    marginBottom: 10,
    fontSize: 10
  }
});
```


Resultado



Removendo a barra de cima de navegação.

```
class SignIn extends Component {  
  static navigationOptions = {  
    header: null  
  };  
}
```



Buscando os valores dos inputs e mostrando um warn na tela.

```
// construtor
constructor(props) {
  super(props);
  this.state = { email: "", senha: "" };
}

_realizarLogin = async () => {
  console.warn(this.state.email + this.state.senha);
};

render() {
  return (
    <ImageBackground
      source={require("../assets/img/login.png")}
      style={StyleSheet.absoluteFillObject}
    >
      <View style={styles.overlay} />
      <View style={styles.main}>
        <Image
          source={require("../assets/img/loginIcon2x.png")}
          style={styles.mainImgLogin}
        />
        <TextInput
          style={styles.inputLogin}
          placeholder="email"
          onChangeText={email => this.setState({ email })}
          placeholderTextColor="#FFFFFF"
          underlineColorAndroid="#FFFFFF"
        />
        <TextInput
          style={styles.inputLogin}
          placeholder="senha"
          placeholderTextColor="#FFFFFF"
          onChangeText={senha => this.setState({ senha })}
          password="true"
          underlineColorAndroid="#FFFFFF"
        />
        <TouchableOpacity
          style={styles.btnLogin}
          onPress={this._realizarLogin}
        >
          <Text style={styles.btnLoginText}>LOGIN</Text>
        </TouchableOpacity>
      </View>
    </ImageBackground>
  );
};
```

Realizar o envio dos dados de login para a API

```
import api from "../services/api";

class SignIn extends Component {
  // configurações da página
  static navigationOptions = {
    header: null
  };

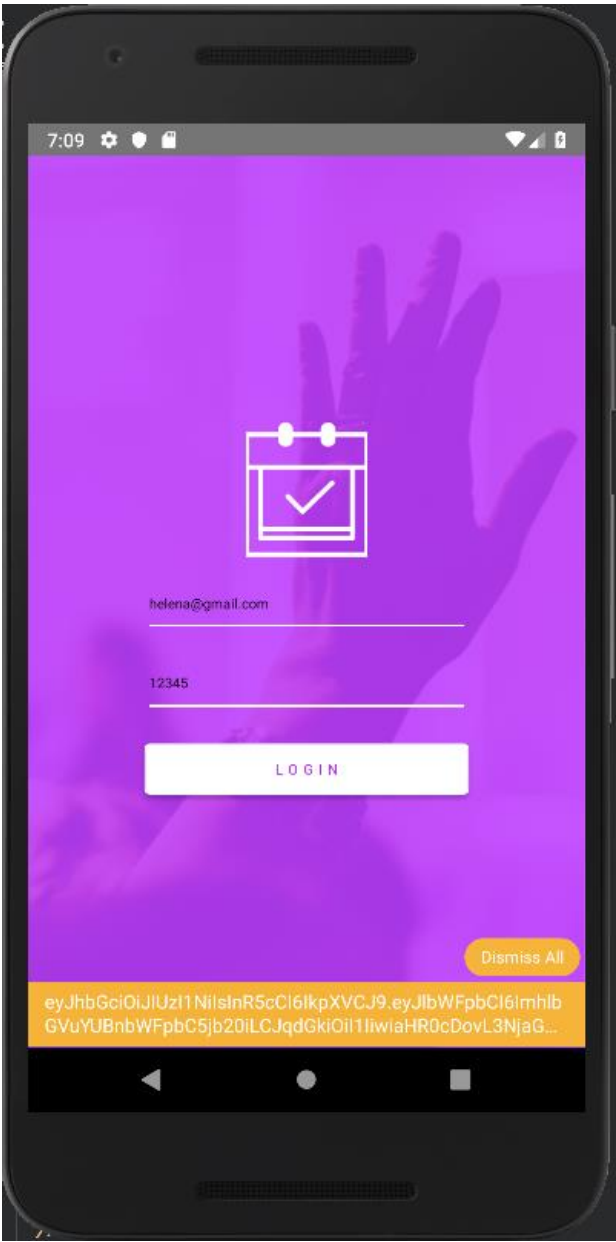
  // construtor
  constructor(props) {
    super(props);
    this.state = { email: "", senha: "" };
  }

  _realizarLogin = async () => {
    // console.warn(this.state.email + this.state.senha);

    const resposta = await api.post("/login", {
      email: this.state.email,
      senha: this.state.senha
    });

    const token = resposta.data.token;
    console.warn(token);
  };
}
```

Resultado



Guardando no AsyncStorage

```
import {
  StyleSheet,
  View,
  Text,
  Image,
  ImageBackground,
  TextInput,
  TouchableOpacity,
  AsyncStorage
} from "react-native";

import api from "../services/api";

class SignIn extends Component {
  // configurações da página
  static navigationOptions = {
    header: null
  };

  // construtor
  constructor(props) {
    super(props);
    this.state = { email: "", senha: "" };
  }

  _realizarLogin = async () => {
    // console.warn(this.state.email + this.state.senha);

    const resposta = await api.post("/login", {
      email: this.state.email,
      senha: this.state.senha
    });

    const token = resposta.data.token;
    // console.warn(token);
    await AsyncStorage.setItem("userToken", token);
    this.props.navigation.navigate("MainNavigator");
  };

  render() {
```

Buscando o valor do token

npm install --save jwt-decode

Não esquecer de importar o AsyncStorage

```
import jwt from "jwt-decode";  
  
class Profile extends Component {  
  static navigationOptions = {  
    tabBarIcon: ({ tintColor }) => (  
      <Image  
        source={require("../assets/img/profile.png")}  
        style={styles.tabNavigatorIconProfile}  
      />  
    )  
  };  
  
  constructor(props) {  
    super(props);  
    this.state = { token: "", nome: "" };  
  }  
  
  _buscarDadosDoStorage = async () => {  
    try {  
      const value = await AsyncStorage.getItem("userToken");  
      if (value !== null) {  
        this.setState({ nome: jwt(value).Nome });  
        this.setState({ token: value });  
      }  
    } catch (error) {}  
  };  
  
  componentDidMount() {  
    this._buscarDadosDoStorage();  
  }  
}
```

```

render() {
  return (
    <View style={styles.main}>
      <View style={styles.mainHeader}>
        <View style={styles.mainHeaderRow}>
          <Image
            source={require("../assets/img/profile.png")}
            style={styles.mainHeaderImg}
          />
          <Text style={styles.mainHeaderText}>{this.state.token.toUpperCase()}</Text>
        </View>
        <View style={styles.mainHeaderLine} />
      </View>
      <View style={styles.mainBody}>
        <View style={styles.mainBodyProfile}>
          <Text>{this.state.token}</Text>
          <Text>{this.state.name}</Text>
        </View>
      </View>
    </View>
  );
}

```

```

mainBodyProfile: {
  paddingTop: 30,
  paddingRight: 50,
  paddingLeft: 50,
  justifyContent: "center",
  alignItems: "center"
}

```

Adicionar o estilo no perfil.

Resultado

