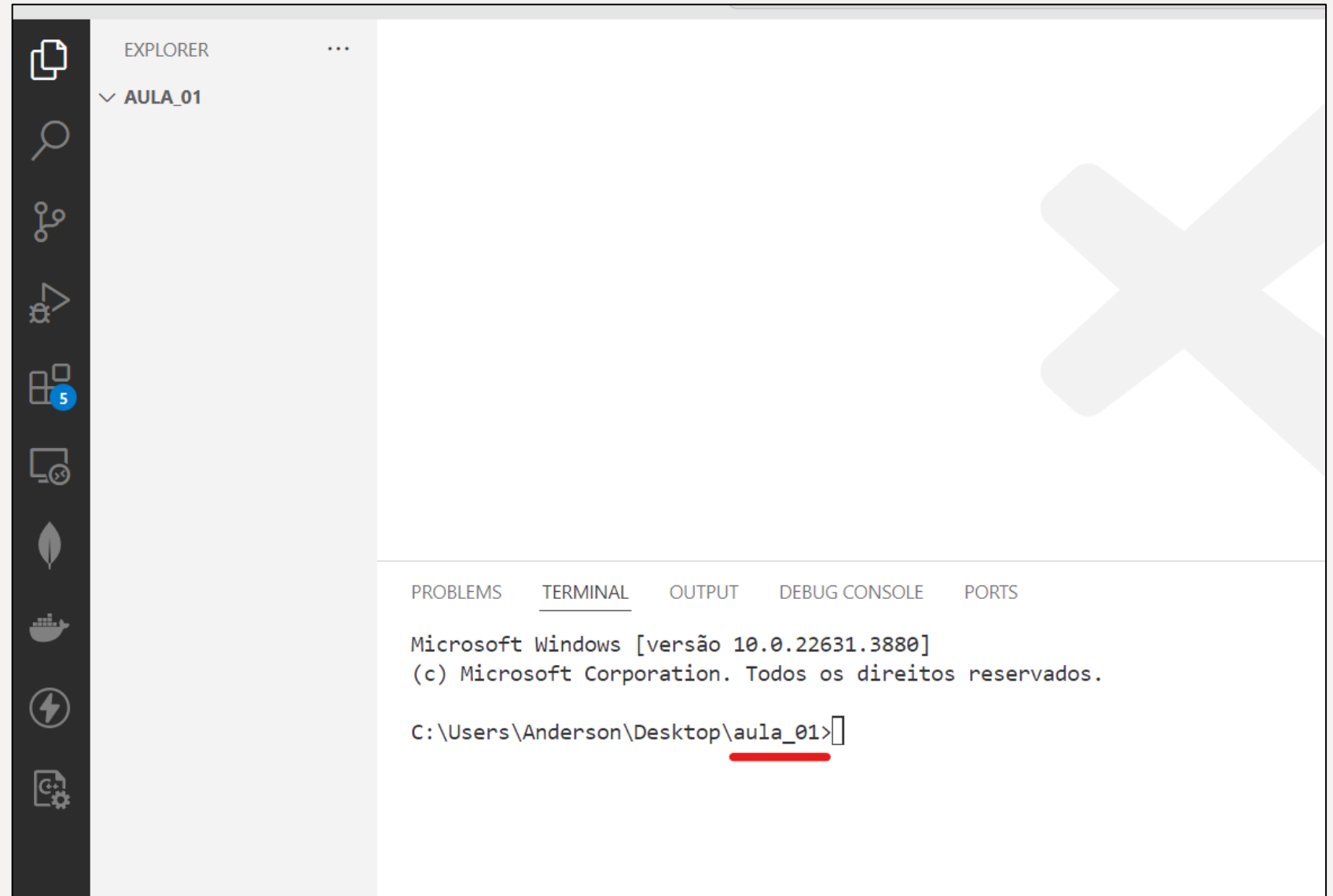




React JS

PROF. ANDERSON VANIN

Criar um projeto React e estrutura de pastas



Criar um projeto React e estrutura de pastas

- Digite o comando: `npm init react-app app-filmes`

```
Creating a new React app in C:\Users\Anderson\Desktop\aula_01\app-filmes.
```

```
Installing packages. This might take a couple of minutes.
```

```
Installing react, react-dom, and react-scripts with cra-template...
```

```
[#####] - reify:@types/node: timing reifyNode:node_modules/neo
```

```
We suggest that you begin by typing:
```

```
cd app-filmes
```

```
npm start
```

```
Happy hacking!
```

```
C:\Users\Anderson\Desktop\aula_01>
```

Criar um projeto React e estrutura de pastas

- Vá para a pasta do projeto, digite `cd app-filmes`

```
C:\Users\Anderson\Desktop\aula_01>cd app-filmes  
C:\Users\Anderson\Desktop\aula_01\app-filmes>|
```

```
▼ AULA_01  
  ▼ app-filmes  
    > node_modules  
    > public  
    ▼ src  
      # App.css  
      JS App.js  
      JS App.test.js  
      # index.css  
      JS index.js  
      🖼 logo.svg  
      JS reportWebVitals.js  
      JS setupTests.js  
      💎 .gitignore  
      {} package-lock.json  
      {} package.json  
      ⓘ README.md
```

Criar um projeto React e estrutura de pastas

- Digite npm start

Compiled successfully!

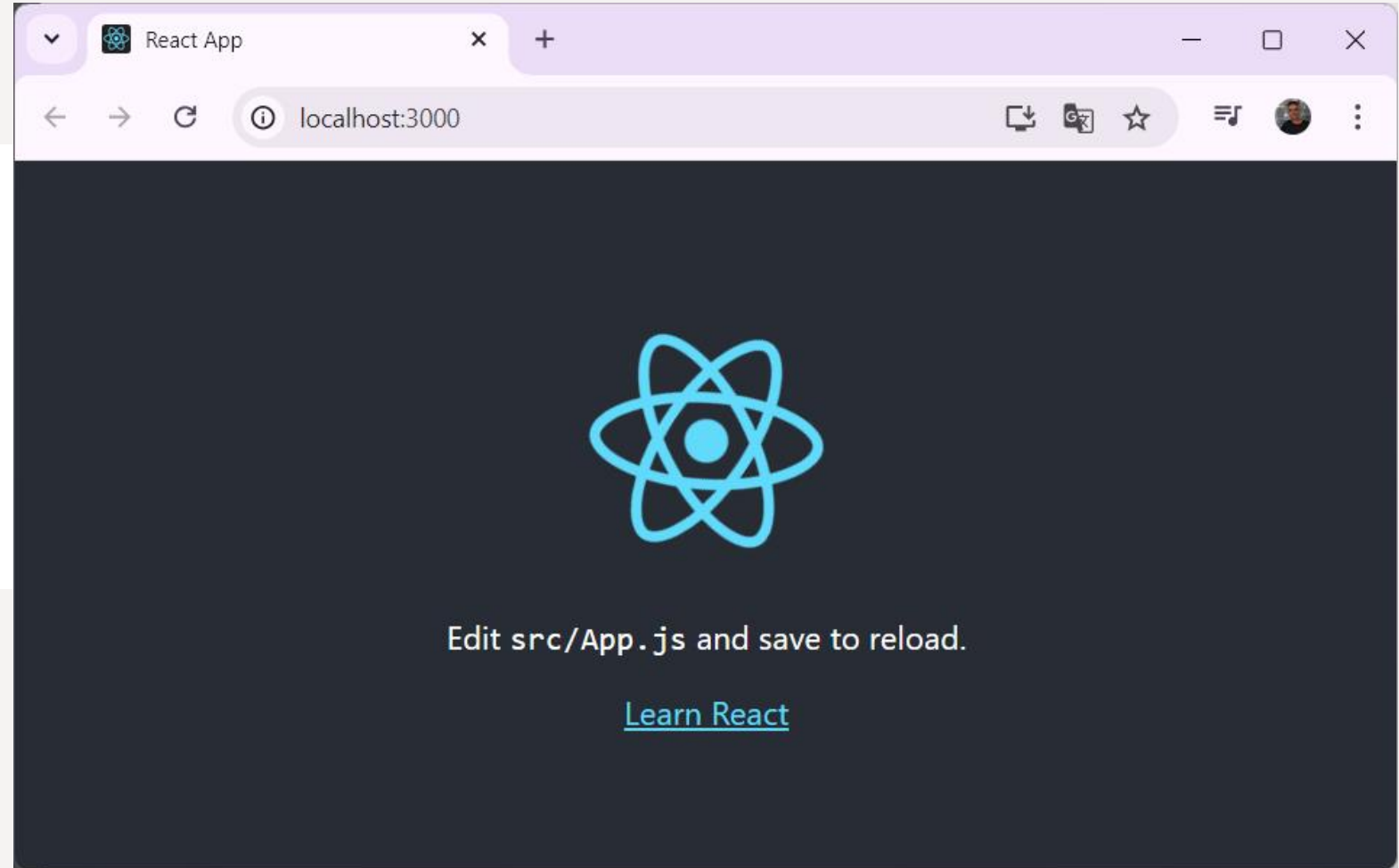
You can now view **app-filmes** in the browser.

Local: http://localhost:3000
On Your Network: http://192.168.56.1:3000

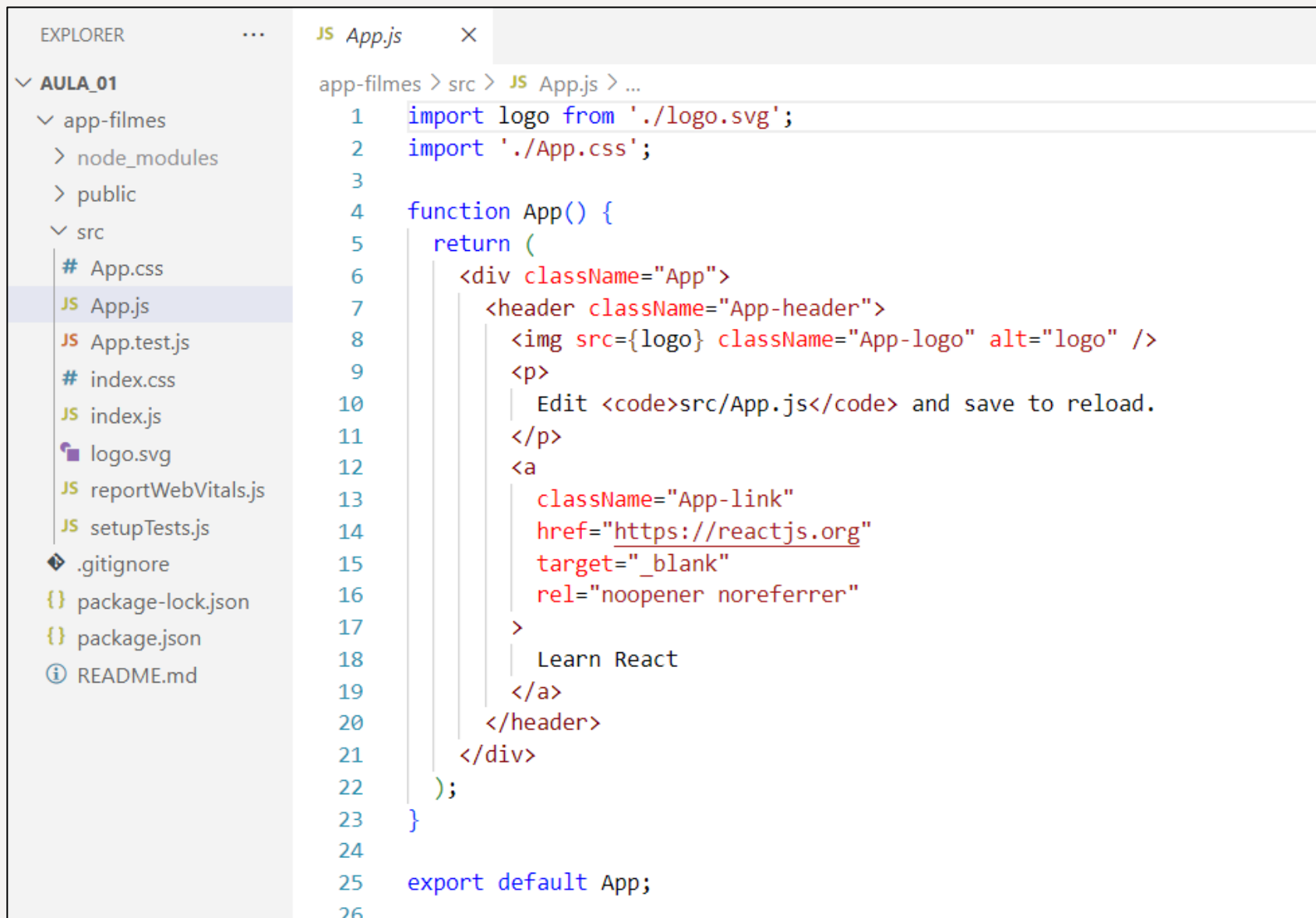
Note that the development build is not optimized.
To create a production build, use `npm run build`.

webpack compiled successfully

█



Arquivo App.js



```
EXPLORER  ...  JS App.js  X

  AULA_01
  app-filmes
    node_modules
    public
    src
      # App.css
      JS App.js
      JS App.test.js
      # index.css
      JS index.js
      logo.svg
      JS reportWebVitals.js
      JS setupTests.js
      .gitignore
      package-lock.json
      package.json
      README.md

app-filmes > src > JS App.js > ...

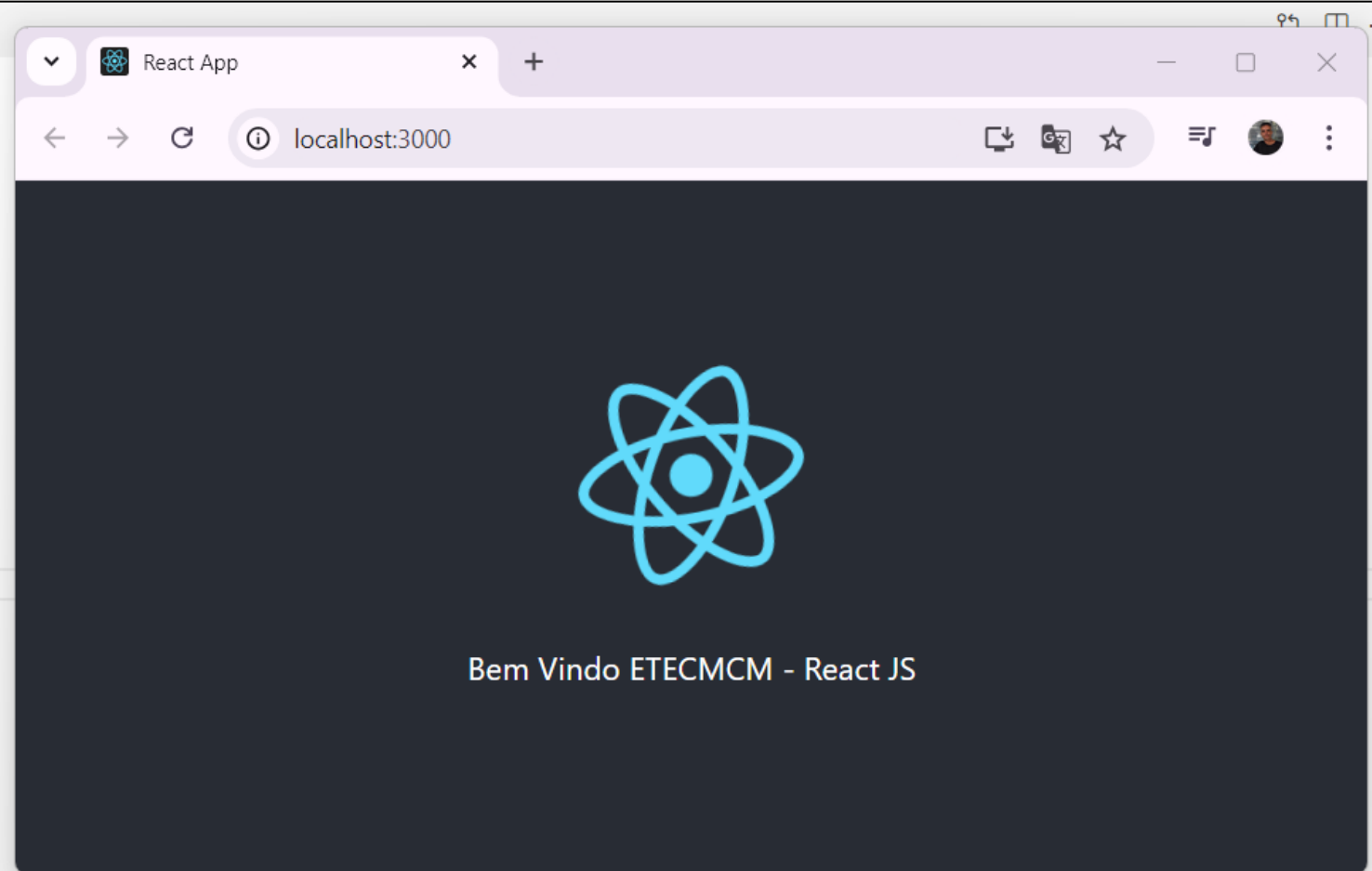
1  import logo from './logo.svg';
2  import './App.css';
3
4  function App() {
5    return (
6      <div className="App">
7        <header className="App-header">
8          <img src={logo} className="App-logo" alt="logo" />
9          <p>
10             Edit <code>src/App.js</code> and save to reload.
11          </p>
12          <a
13             className="App-link"
14             href="https://reactjs.org"
15             target="_blank"
16             rel="noopener noreferrer"
17          >
18             Learn React
19          </a>
20        </header>
21      </div>
22    );
23  }
24
25  export default App;
26
```

Arquivo App.js

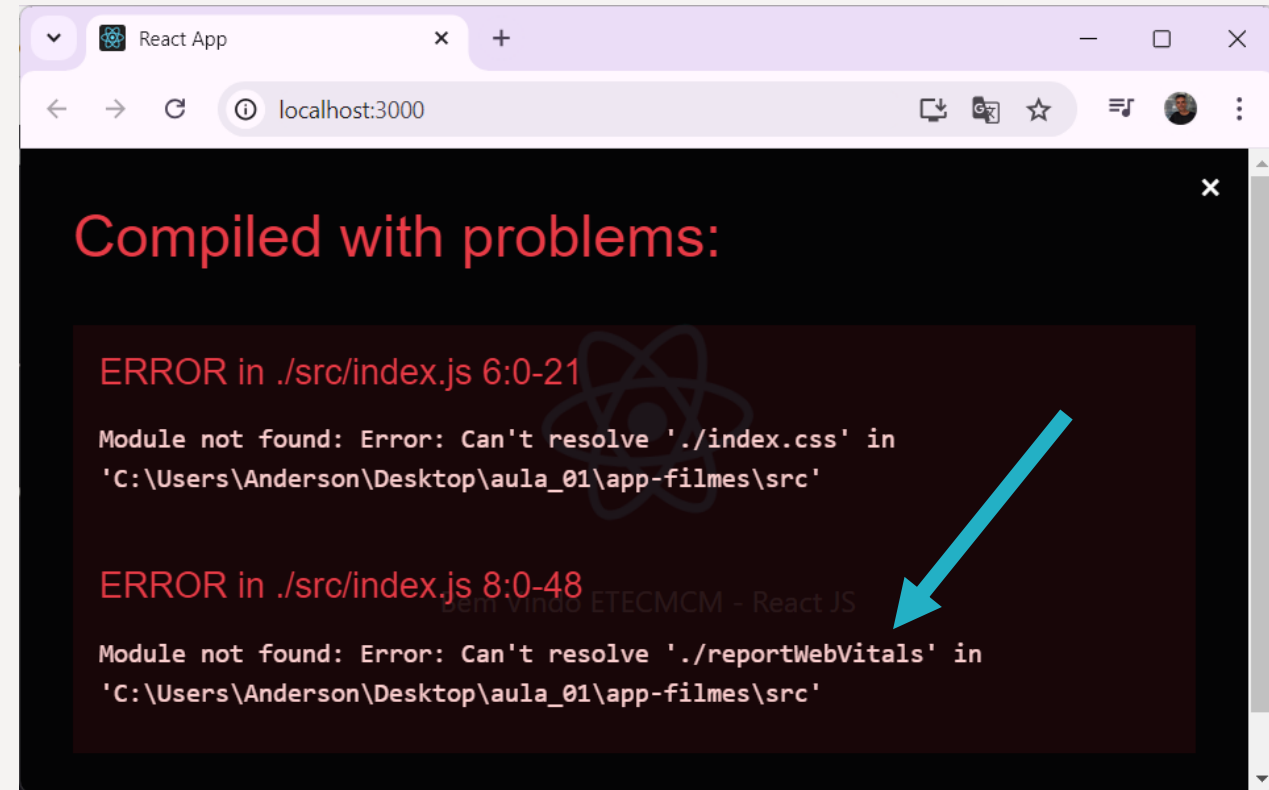
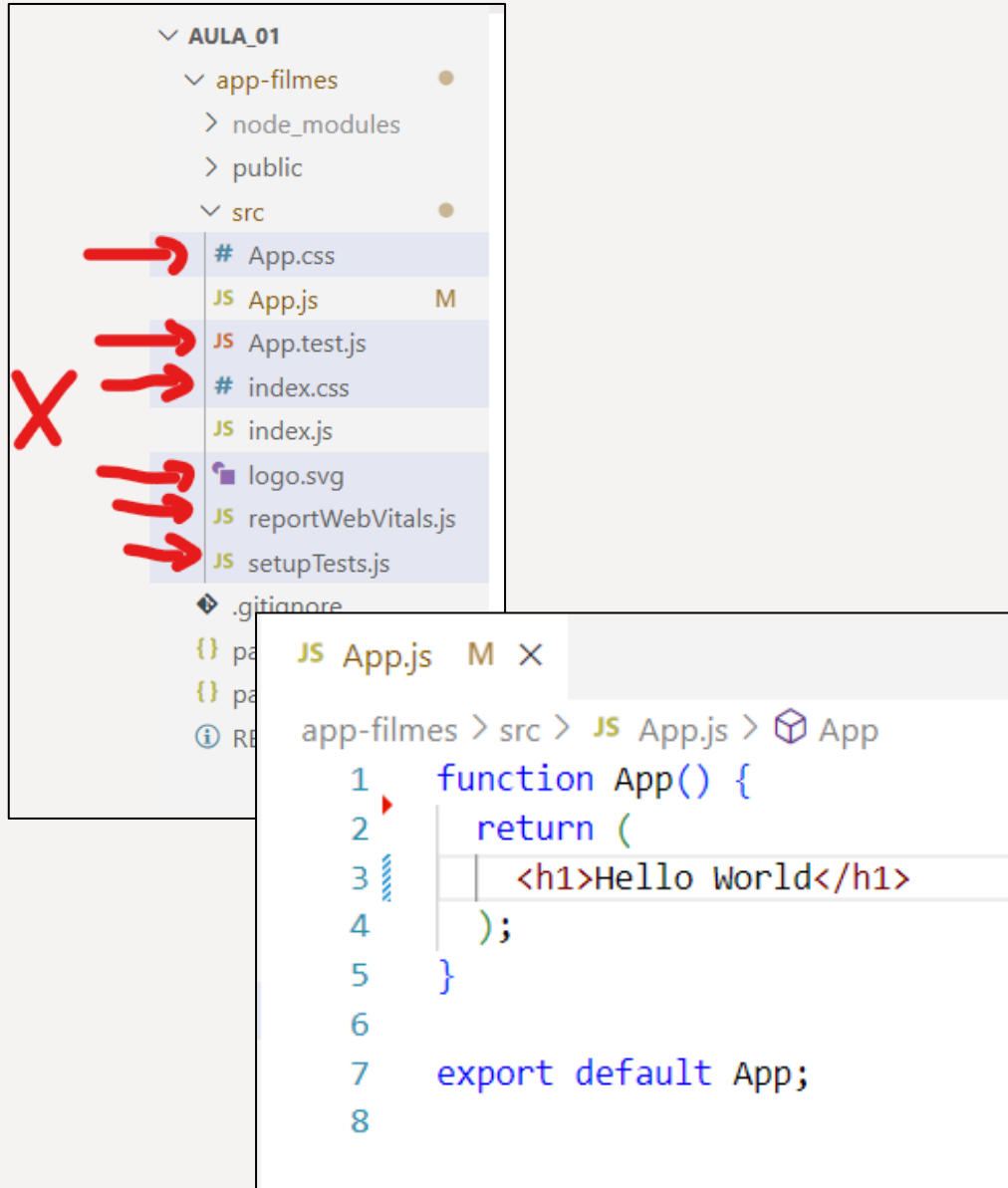
JS App.js M X

app-filmes > src > JS App.js > App

```
1 import logo from './logo.svg';
2 import './App.css';
3
4 function App() {
5   return (
6     <div className="App">
7       <header className="App-header">
8         <img src={logo} className="App-logo" alt="logo" />
9         <p>
10           Bem Vindo ETECMCM - React JS
11         </p>
12       </header>
13     </div>
14   );
15 }
16
17 export default App;
18
```




Limpando o código base



Limpendo o código base

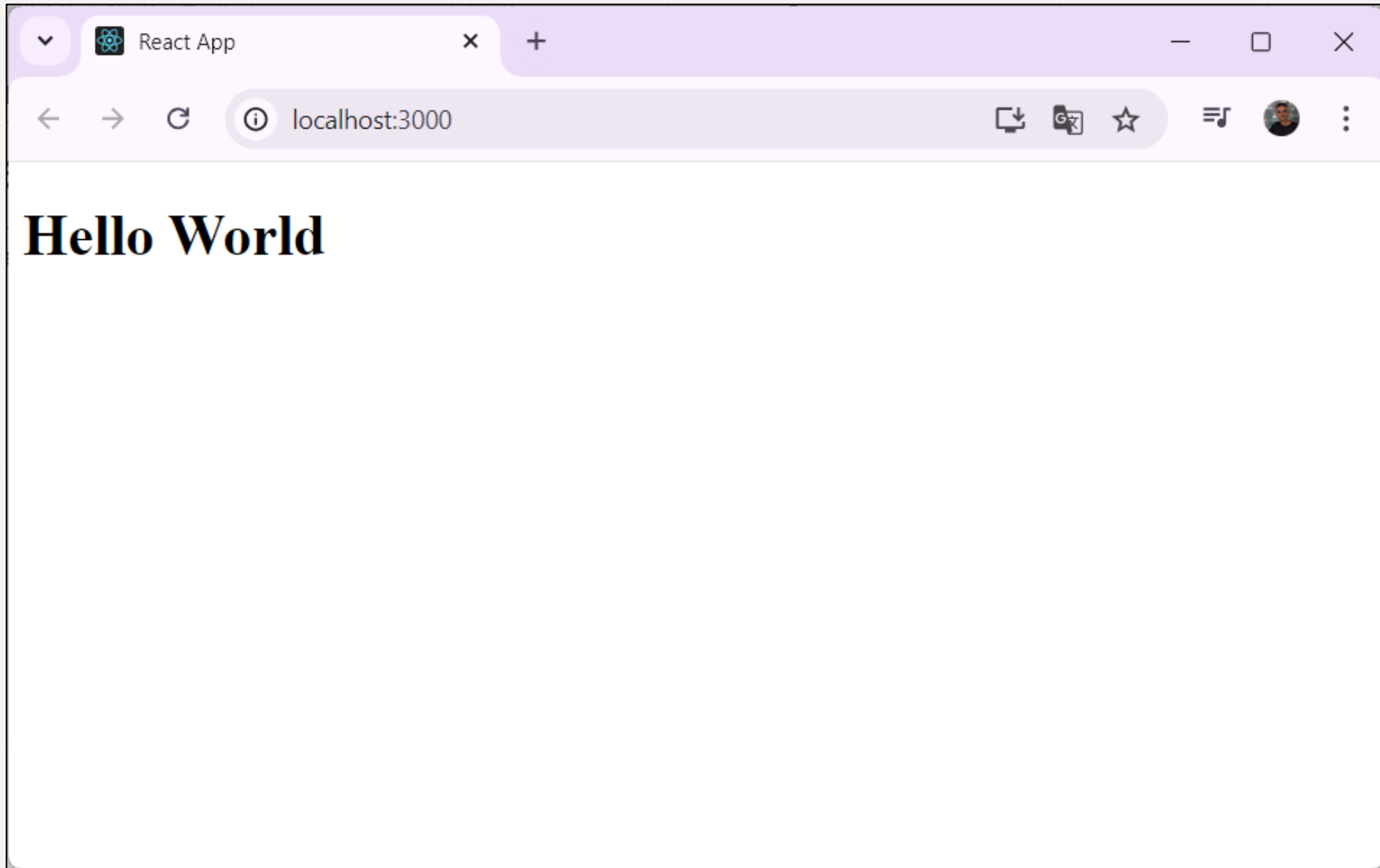
- Index.js

```
app-filmes > src > JS index.js > ...
1  import React from 'react';
2  import ReactDOM from 'react-dom/client';
3  import './index.css';
4  import App from './App';
5  import reportWebVitals from './reportWebVitals';
6
7  const root = ReactDOM.createRoot(document.getElementById('root'));
8  root.render(
9    <React.StrictMode>
10     | <App />
11     </React.StrictMode>
12  );
13
14  // If you want to start measuring performance in your app, pass a function
15  // to log results (for example: reportWebVitals(console.log))
16  // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
17  reportWebVitals();
18
```



```
app-filmes > src > JS index.js > ...
1  import React from 'react';
2  import ReactDOM from 'react-dom/client';
3  import App from './App';
4
5  const root = ReactDOM.createRoot(document.getElementById('root'));
6  root.render(
7    <React.StrictMode>
8    | <App />
9    </React.StrictMode>
10 );
```

Limpando o código base



Componentes

app-filmes > src > JS App.js > ...

```
1 function App() {  
2   return (  
3     <h1>Hello World</h1>  
4     <p>Aprendendo React</p>  
5   );  
6 }  
7  
8 export default App;  
9
```

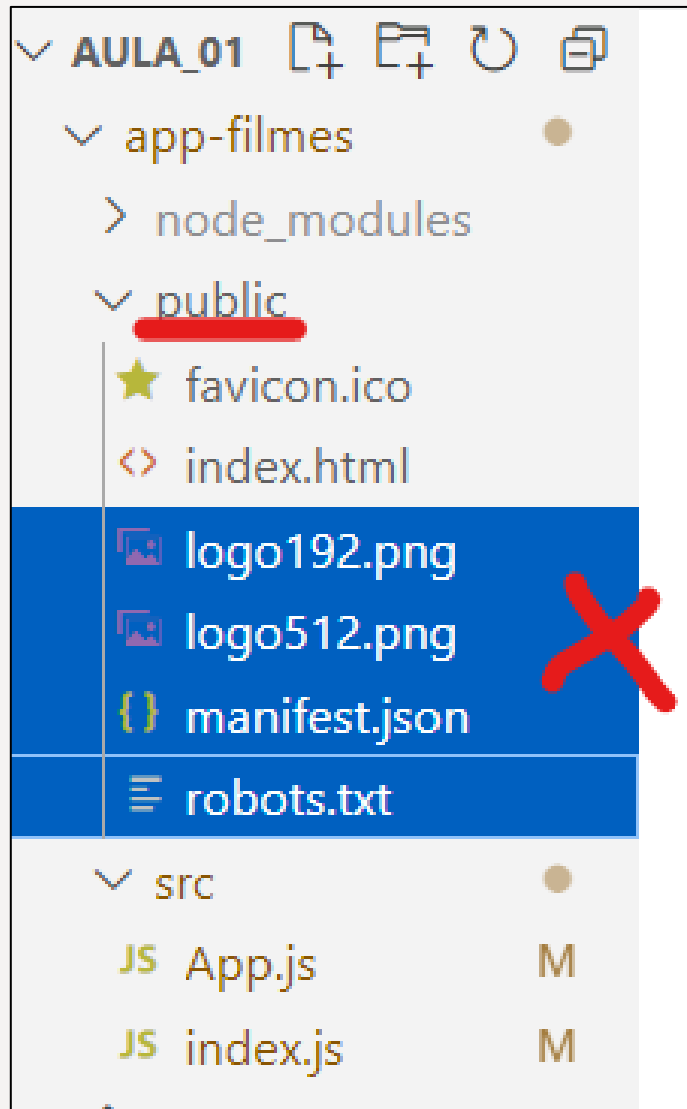


app-filmes > src > JS App.js > ...

```
1 function App() {  
2   return (  
3     <div>  
4       <h1>Hello World</h1>  
5       <p>Aprendendo React</p>  
6     </div>  
7   );  
8 }  
9  
10 export default App;  
11
```



Limpendo o código base



Limpando o código base

- Index.html

app-filmes > public > <> index.html > ...

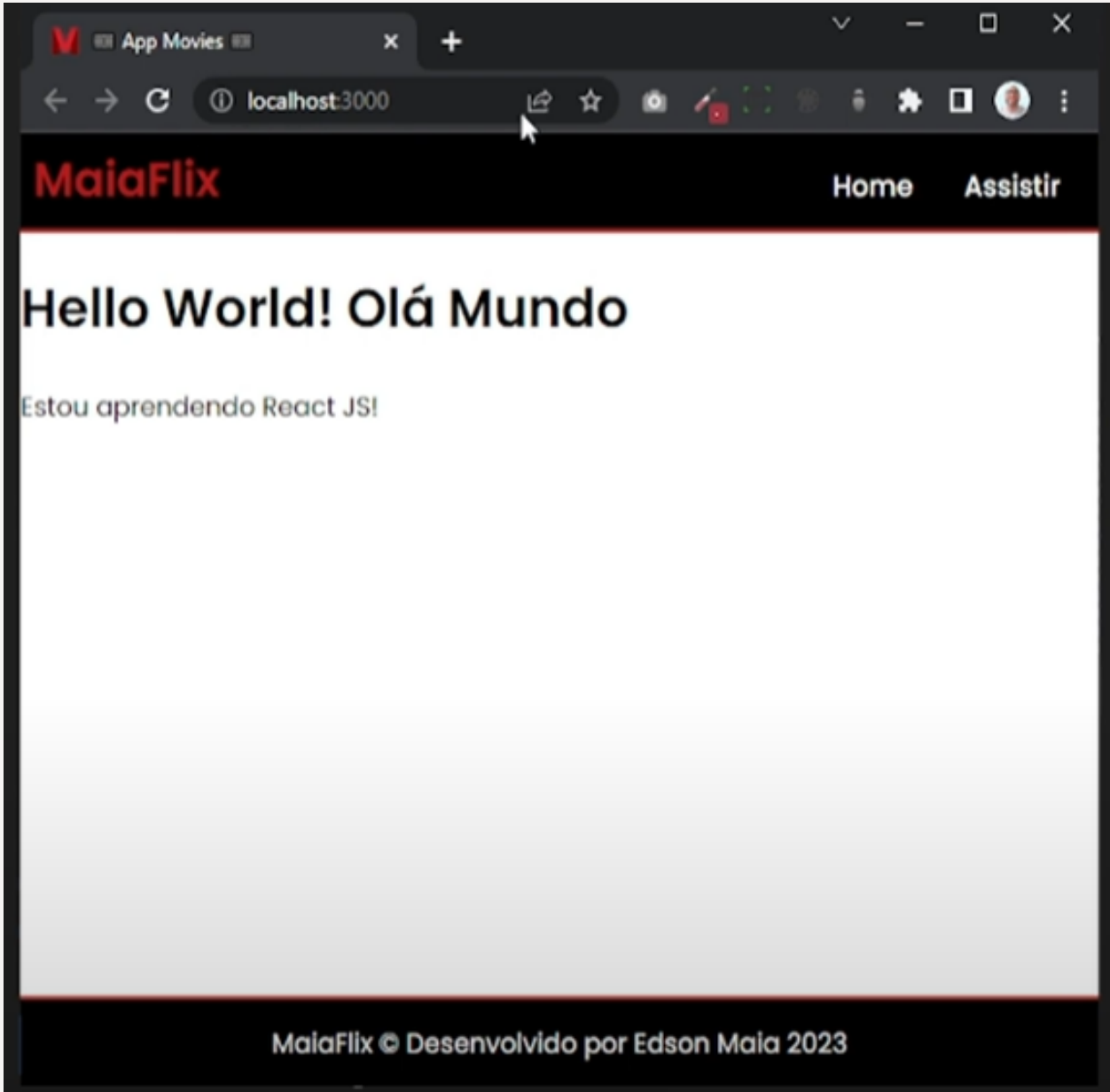
```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="utf-8" />
5      <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
6      <meta name="viewport" content="width=device-width, initial-scale=1" />
7      <meta name="theme-color" content="#000000" />
8      <meta
9        name="description"
10       content="Web site created using create-react-app"
11     />
12     <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
13     <!--
14       manifest.json provides metadata used when your web app is installed on a
15       user's mobile device or desktop. See https://developers.google.com/web/fundamentals/web-app-manifest/
16     -->
17     <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
18     <!--
19       Notice the use of %PUBLIC_URL% in the tags above.
20       It will be replaced with the URL of the `public` folder during the build.
21       Only files inside the `public` folder can be referenced from the HTML.
22
23       Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC_URL%/favicon.ico" will
24       work correctly both with client-side routing and a non-root public URL.
25       Learn how to configure a non-root public URL by running `npm run build`.
26     -->
27     <title>React App</title>
```

Limpendo o código base

- Index.html

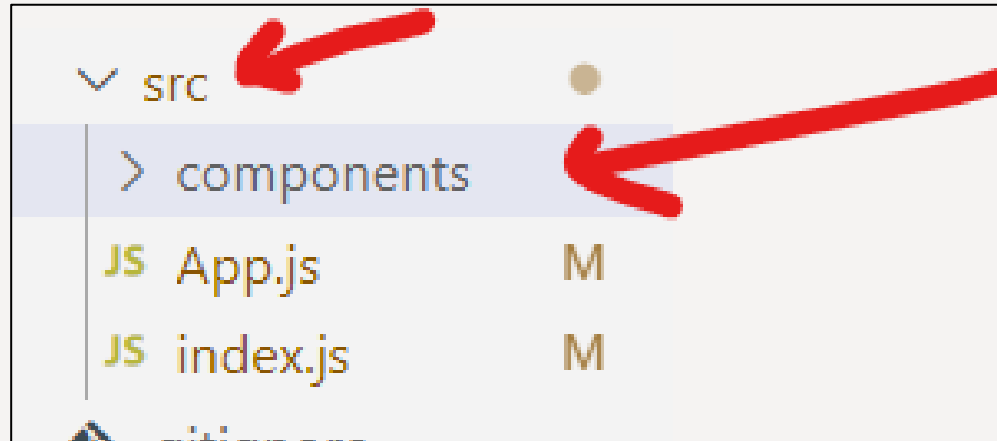
```
app-filmes > public > <> index.html > html > body
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="utf-8" />
5      <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
6      <meta name="viewport" content="width=device-width, initial-scale=1" />
7      <meta name="theme-color" content="#000000" />
8      <meta
9        name="description"
10       content="Web site created using create-react-app"
11     />
12
13     <title>React App</title>
14   </head>
15   <body>
16     <noscript>You need to enable JavaScript to run this app.</noscript>
17     <div id="root"></div>
18
19   </body>
20 </html>
```

Mockup do Projeto



Criando Componentes

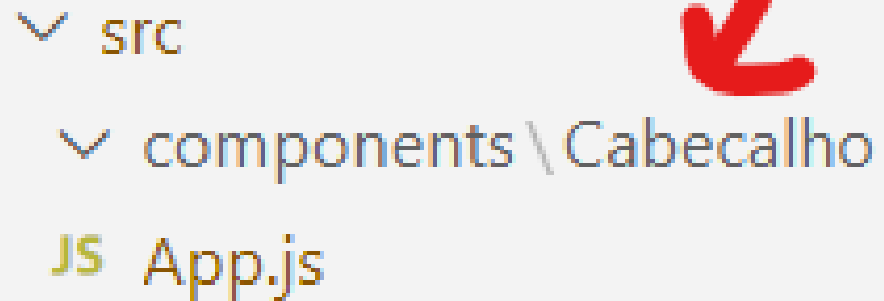
- Dentro da pasta src crie uma pasta chamada components



Criando Componentes

- Dentro da pasta *components* crie uma pasta chamada *Cabecalho*

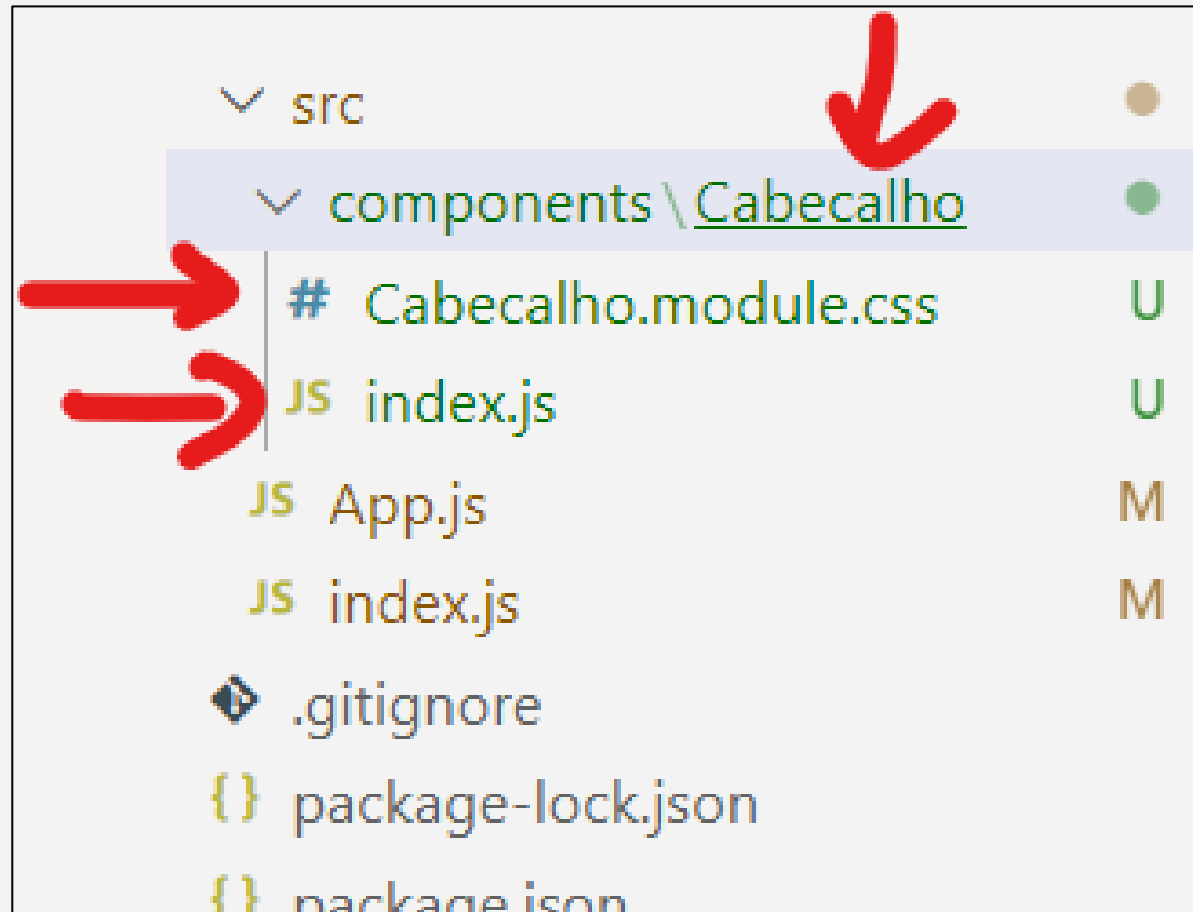
OBS: A pasta do componente deve começar com a letra Maiuscula



```
▼ src
  ▼ components \ Cabecalho
    JS App.js
```

Criando Componentes

- Dentro da pasta *Cabecalho* crie dois arquivos: *Cabecalho.module.css* e *index.js*



Estrutura padrão de um componente

▼ AULA_01

- ▼ app-filmes
 - > node_modules
 - > public
 - ▼ src
 - ▼ components\Cabecalho
 - # Cabecalho.module.css U
 - JS index.js** 1, U
 - JS App.js M
 - JS index.js M
 - 🔍 .gitignore
 - { } package-lock.json
 - { } package.json
 - 📘 README.md

app-filmes > src > components > Cabecalho > JS index.js > Cabecalho

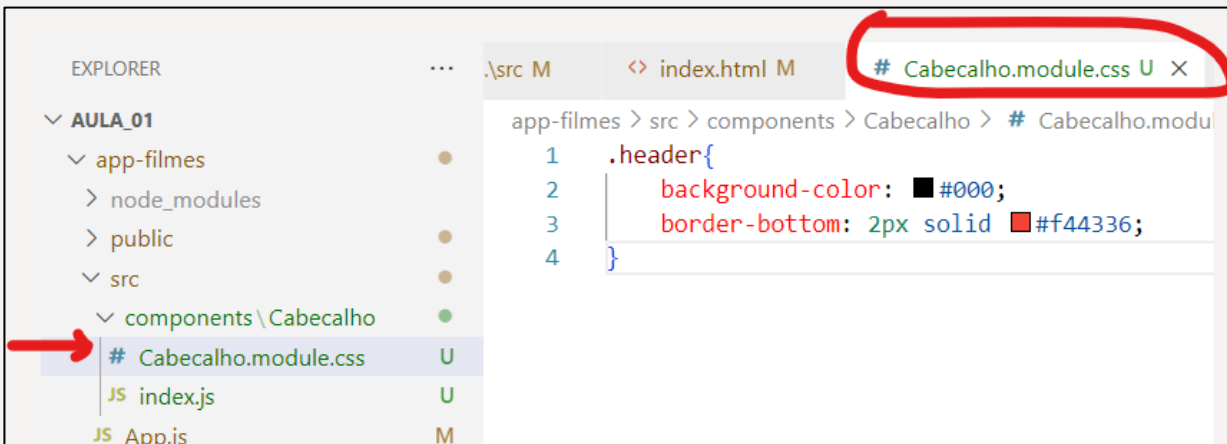
```
1  function Cabecalho(){
2      return(
3
4      );
5  }
6
7  export default Cabecalho;
```

Estrutura padrão de um componente



```
app-filmes > src > components > Cabecalho > JS index.js > default
1  function Cabecalho(){
2      return(
3          <header>
4              <span>EtecFlix</span>
5              <nav>
6                  <a href="#">Home</a>
7                  <a href="#">Assistir</a>
8              </nav>
9          </header>
10     );
11 }
12
13 export default Cabecalho;
```

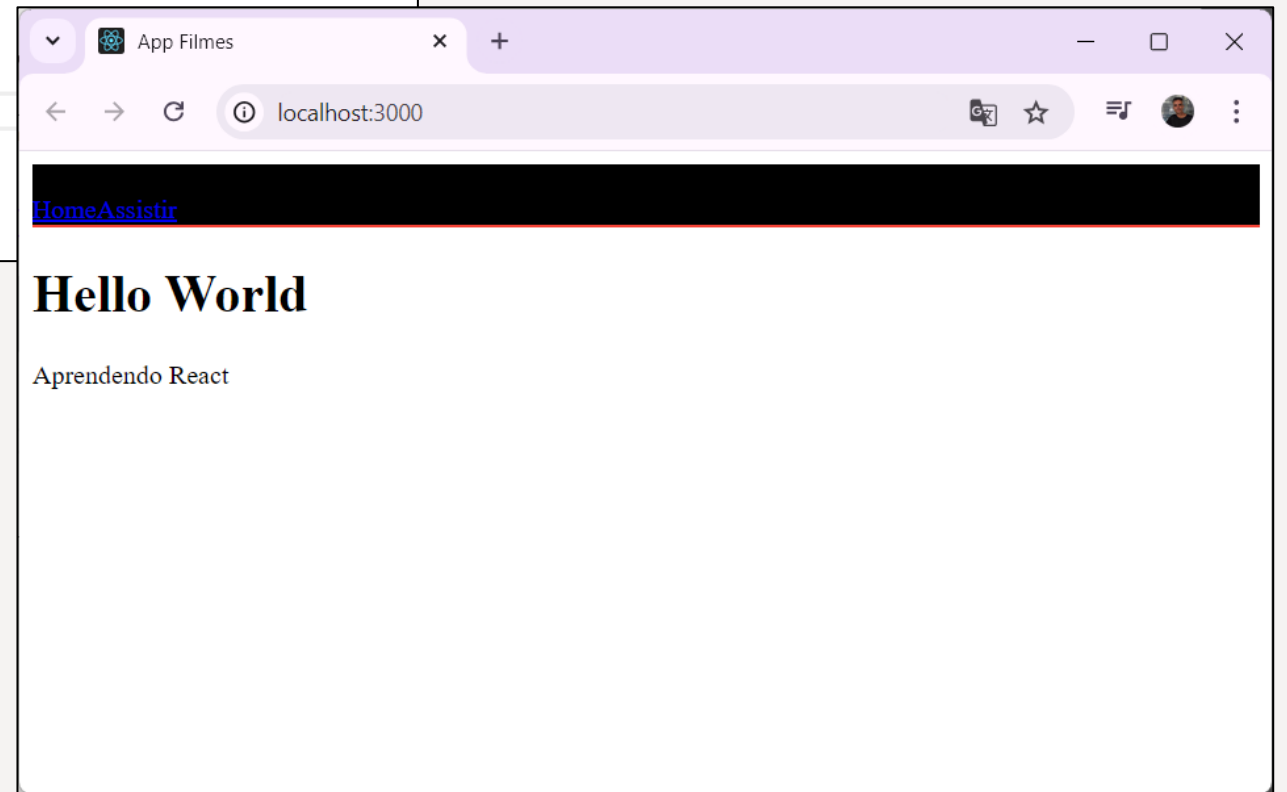
```
app-filmes > src > components > Cabecalho > JS index.js > ...
1  import styles from "../Cabecalho.module.css";
2
3  function Cabecalho(){
4      return(
5          <header className={styles.header}>
6              <span>EtecFlix</span>
7              <nav>
8                  <a href="#">Home</a>
9                  <a href="#">Assistir</a>
10             </nav>
11          </header>
12      );
13  }
14
15  export default Cabecalho;
```



Inserindo um componente criado

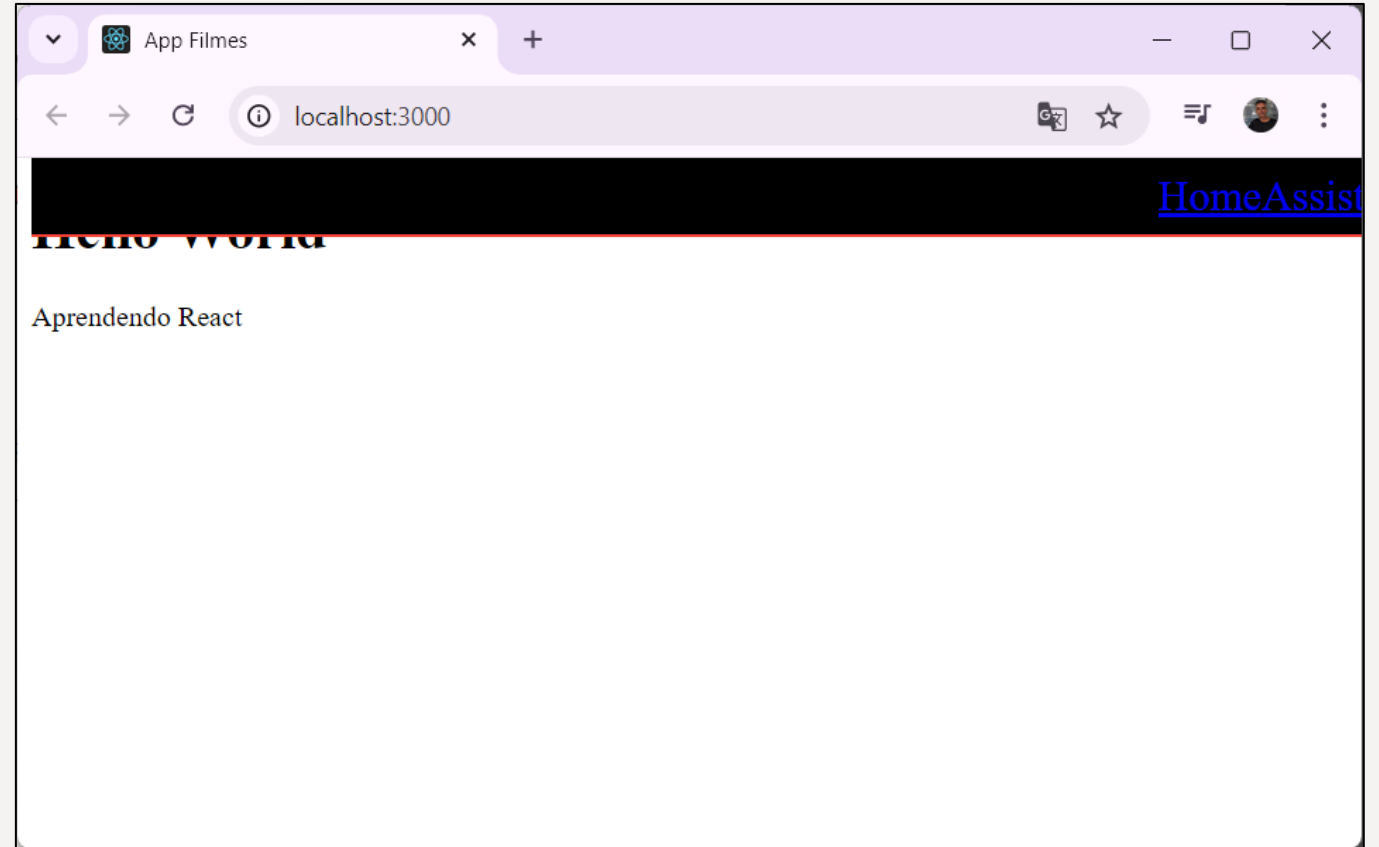


```
app-filmes > src > JS App.js > ...
1  import Cabecalho from "../components/Cabecalho";
2
3  function App() {
4    return (
5      <>
6        <Cabecalho/>
7        <h1>Hello World</h1>
8        <p>Aprendendo React</p>
9      </>
10   );
11 }
12
13 export default App;
14
```



Inserindo um componente criado

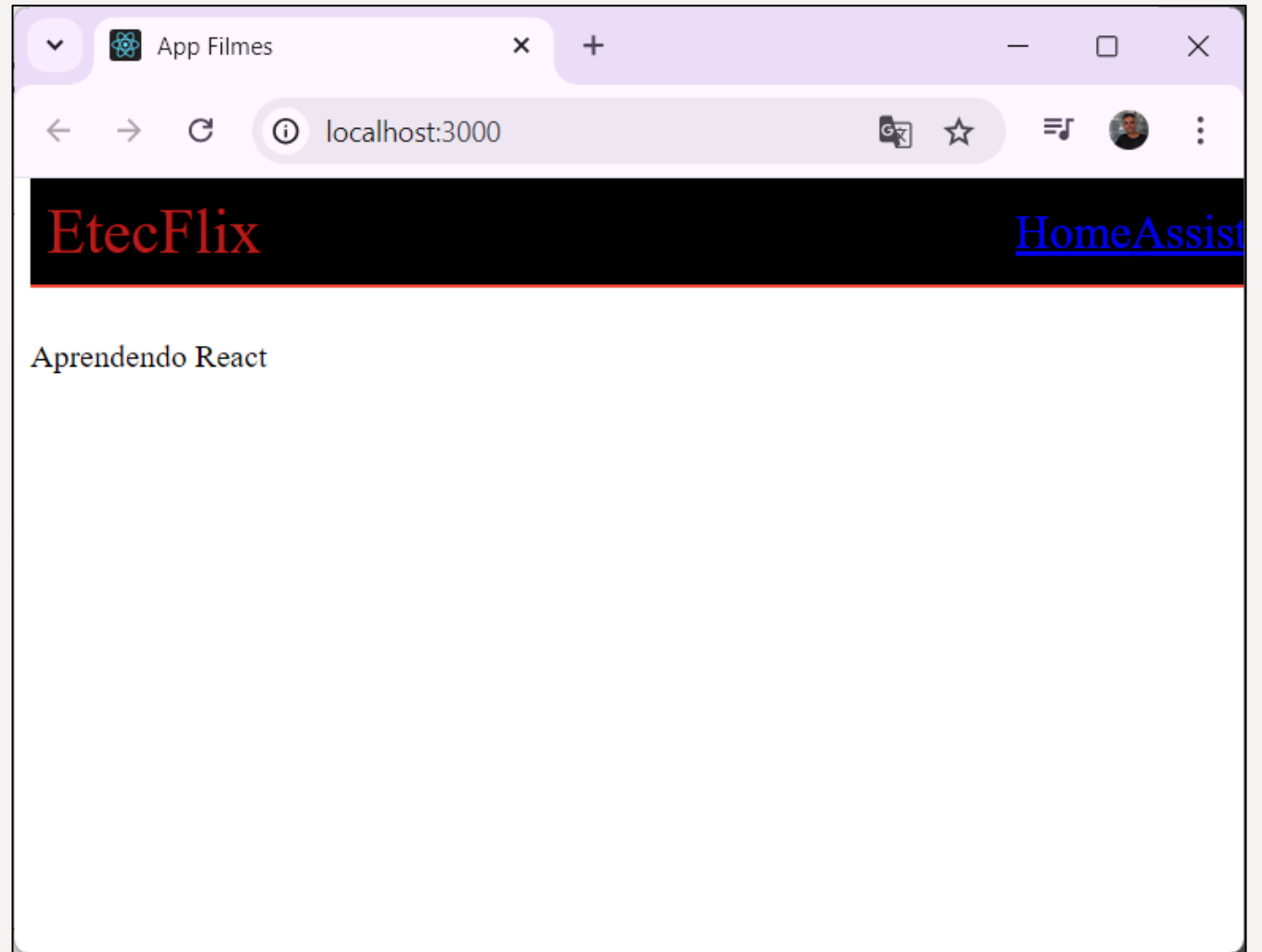
```
1  .header{
2    background-color: #000;
3    border-bottom: 2px solid #f44336;
4    position: fixed;
5    top: 0;
6    width: 100%;
7    display: flex;
8    padding: 0.5rem;
9    font-size: 1.5rem;
10   align-items: center;
11   justify-content: space-between;
12 }
```



Inserindo um componente criado

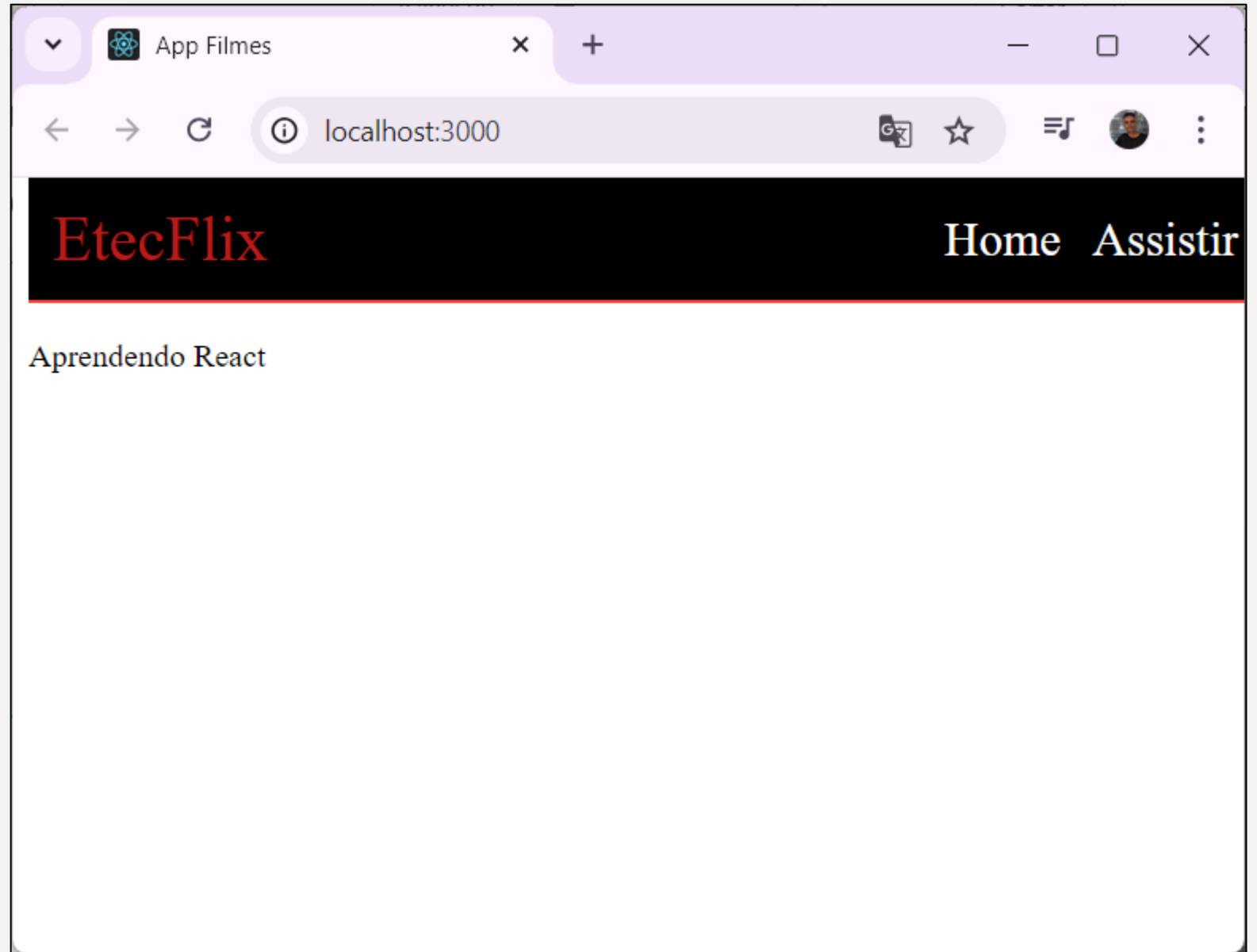
app-filmes > src > components > Cabecalho > # Cabecalho.module.

```
1  .header{
2    background-color: #000;
3    border-bottom: 2px solid #f44336;
4    position: fixed;
5    top: 0;
6    width: 100%;
7    display: flex;
8    padding: 0.5rem;
9    font-size: 1.5rem;
10   align-items: center;
11   justify-content: space-between;
12 }
13
14 .header span{
15   font-size: 2rem;
16   color: #b71c1c;
17   font-weight: 500;
18 }
```

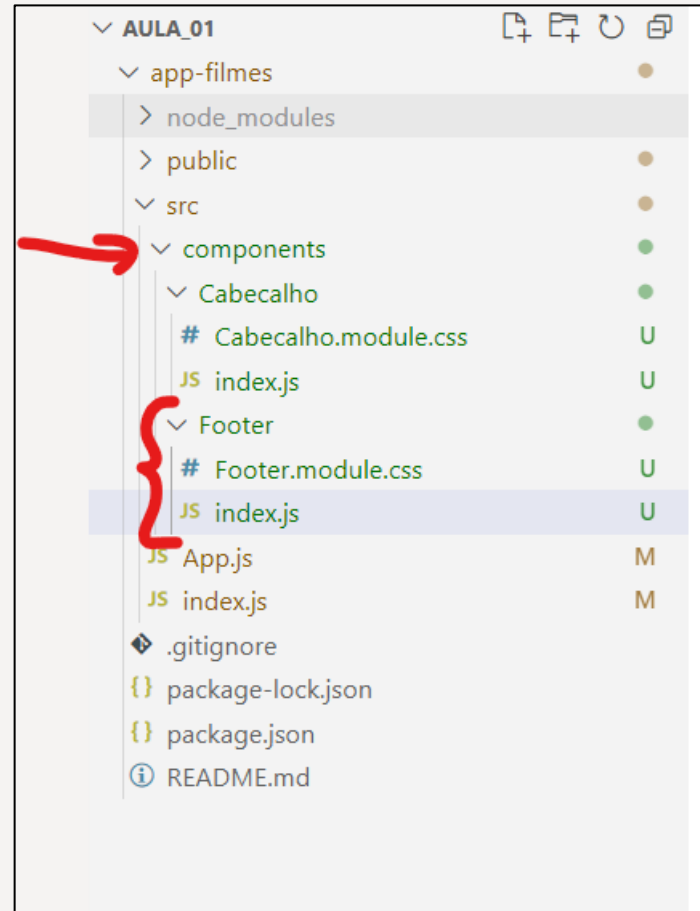
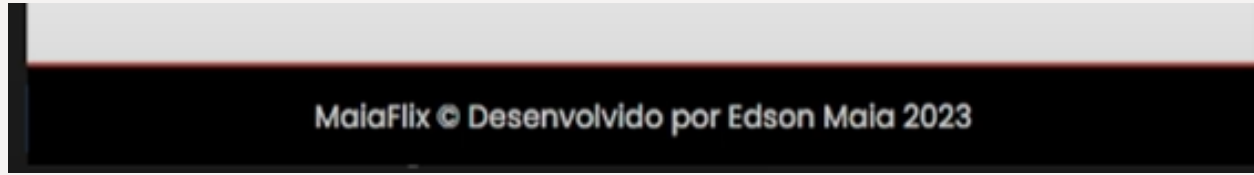


Inserindo um componente criado

```
11     justify-content: space-between;
12 }
13
14 .header span{
15     font-size: 2rem;
16     color: #b71c1c;
17     font-weight: 500;
18 }
19
20 .header nav{
21     margin-right: 1rem;
22 }
23
24 .header a{
25     text-decoration: none;
26     color: #fff;
27     padding-inline: 0.5rem;
28 }
```



Inserindo um componente criado



Inserindo um componente criado

app-filmes > src > components > Footer > JS index.js > ...

```
1 import styles from "../Footer.module.css";
2
3 function Footer(){
4   return (
5     <footer className={styles.footer}>
6       <h2>EtecFlix &copy; Desenvolvido por Anderson Vanin 2024</h2>
7     </footer>
8   );
9 }
10
11 export default Footer;
```

▼ AULA_01

▼ app-filmes

> node_modules

> public

▼ src

▼ components

▼ Cabecalho

Cabecalho.module.css

JS index.js

▼ Footer

Footer.module.css

JS index.js

JS App.js

JS index.js

◆ .gitignore

{ } package-lock.json

{ } package.json

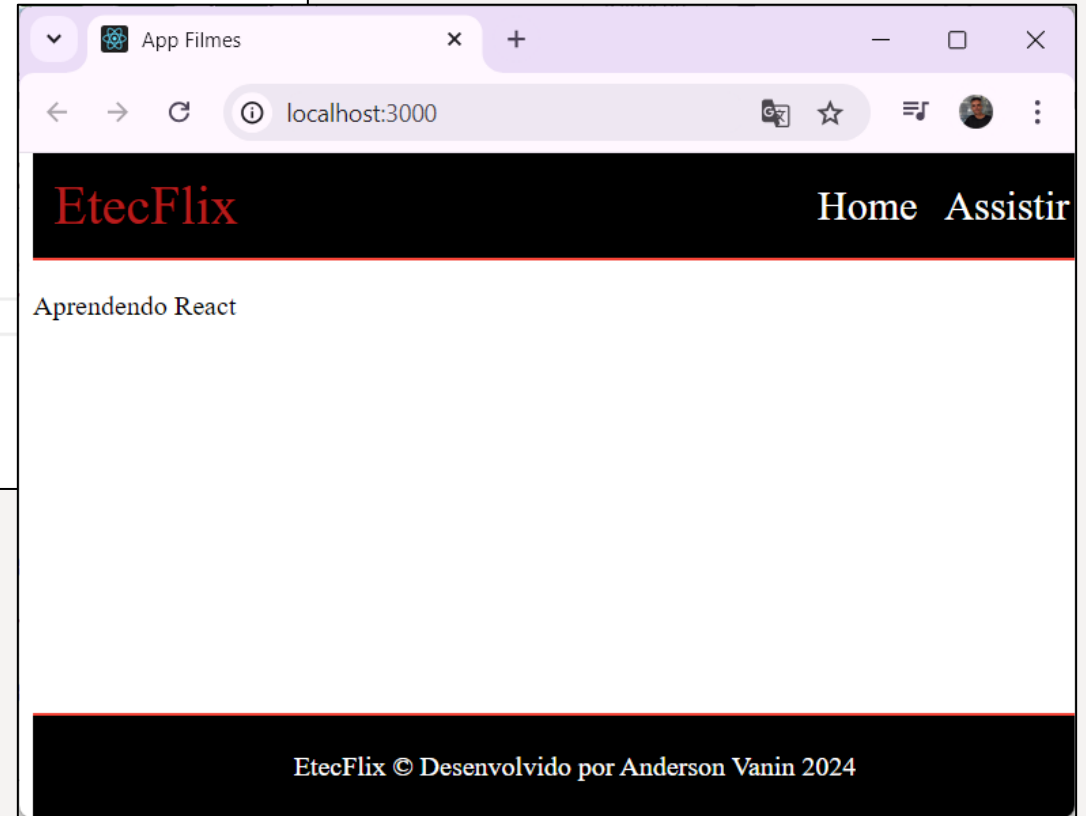
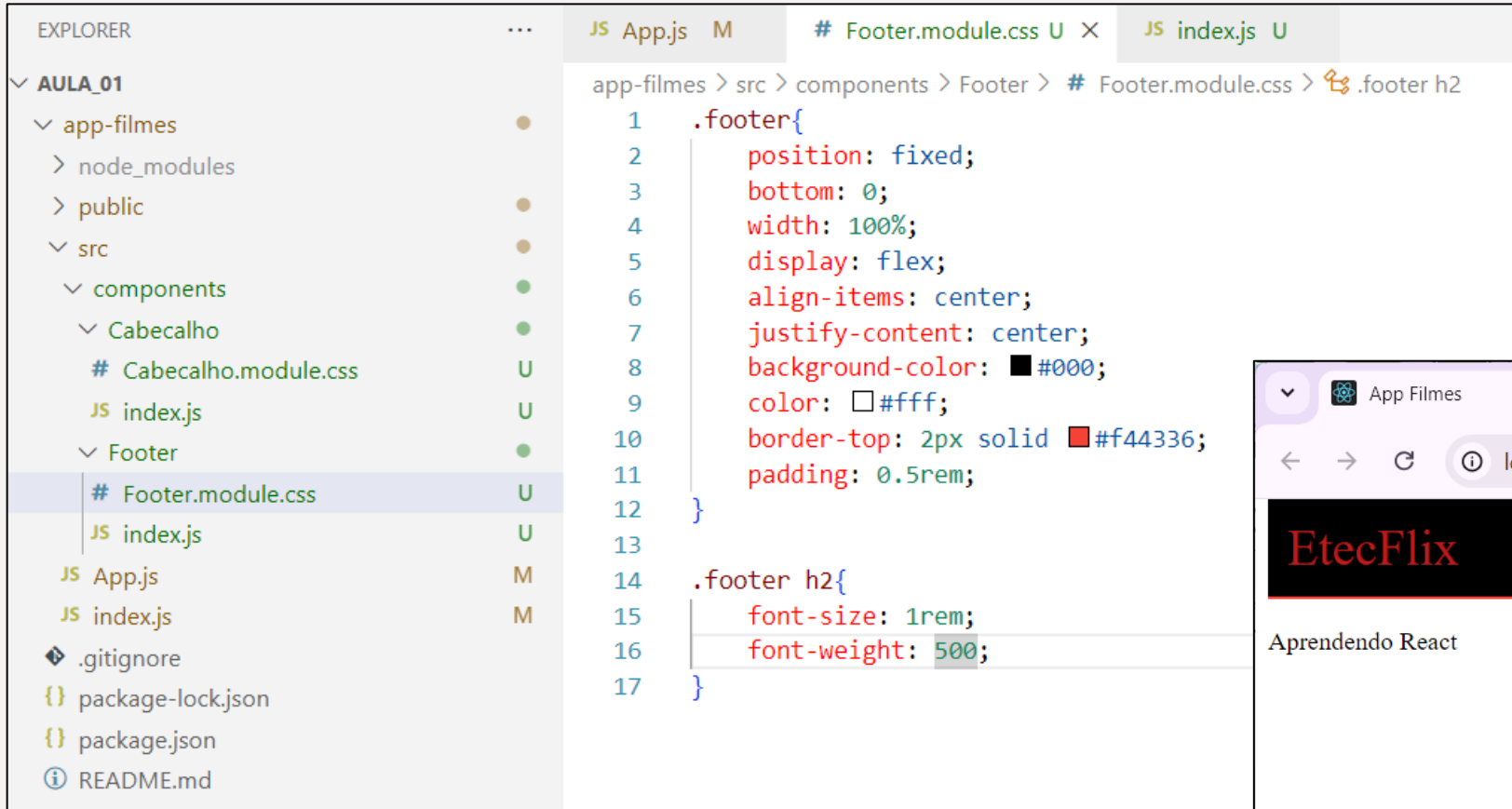
app-filmes > src > JS App.js > ...

```
1 import Cabecalho from "../components/Cabecalho";
2 import Footer from "../components/Footer";
3
4 function App() {
5   return (
6     <>
7     <Cabecalho/>
8     <h1>Hello World</h1>
9     <p>Aprendendo React</p>
10    <Footer/>
11  </>
12 );
13 }
14
15 export default App;
16
```

Inserindo um componente criado



Inserindo um componente criado



Mockup

