

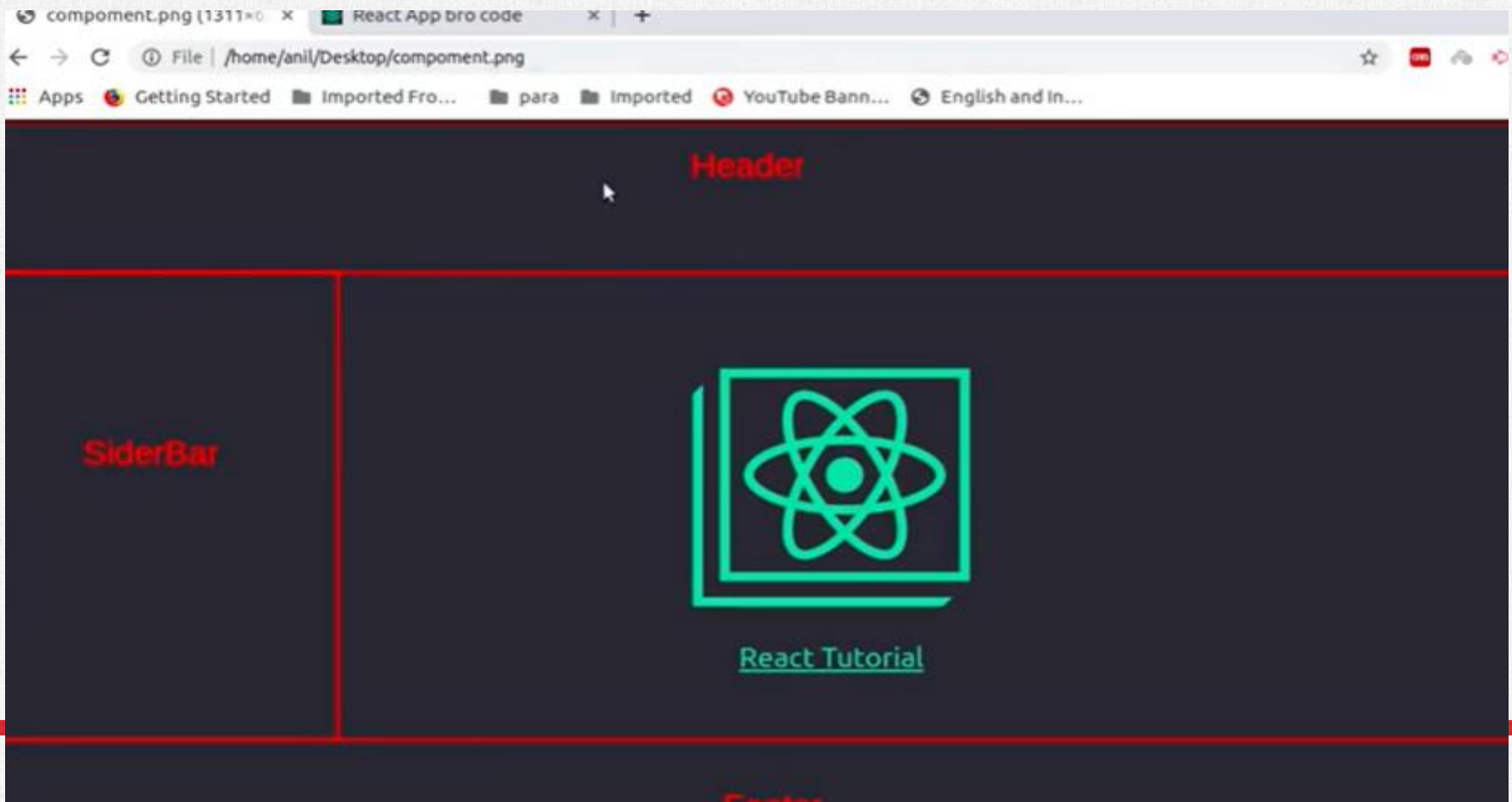
React Component:-

- React is totally dependent on Component.

What is component I
Why Use component
Type of component
Create a component
Use a component

What is Component:-

- Reuse of the Design interface in multiple place create a Component.
- Ex:-Header,Footer,Navigation component.



Type of Component:-

- 1)Functional Component
- 2)Class Component:-Class component is more powerful compare to Functional Component

Functional vs Class components

Functional

Simple functions

Use Func components as much as possible

Absence of 'this' keyword

Solution without using state

Mainly responsible for the UI

Stateless/ Dumb/ Presentational

Class

More feature rich

Maintain their own private data - state

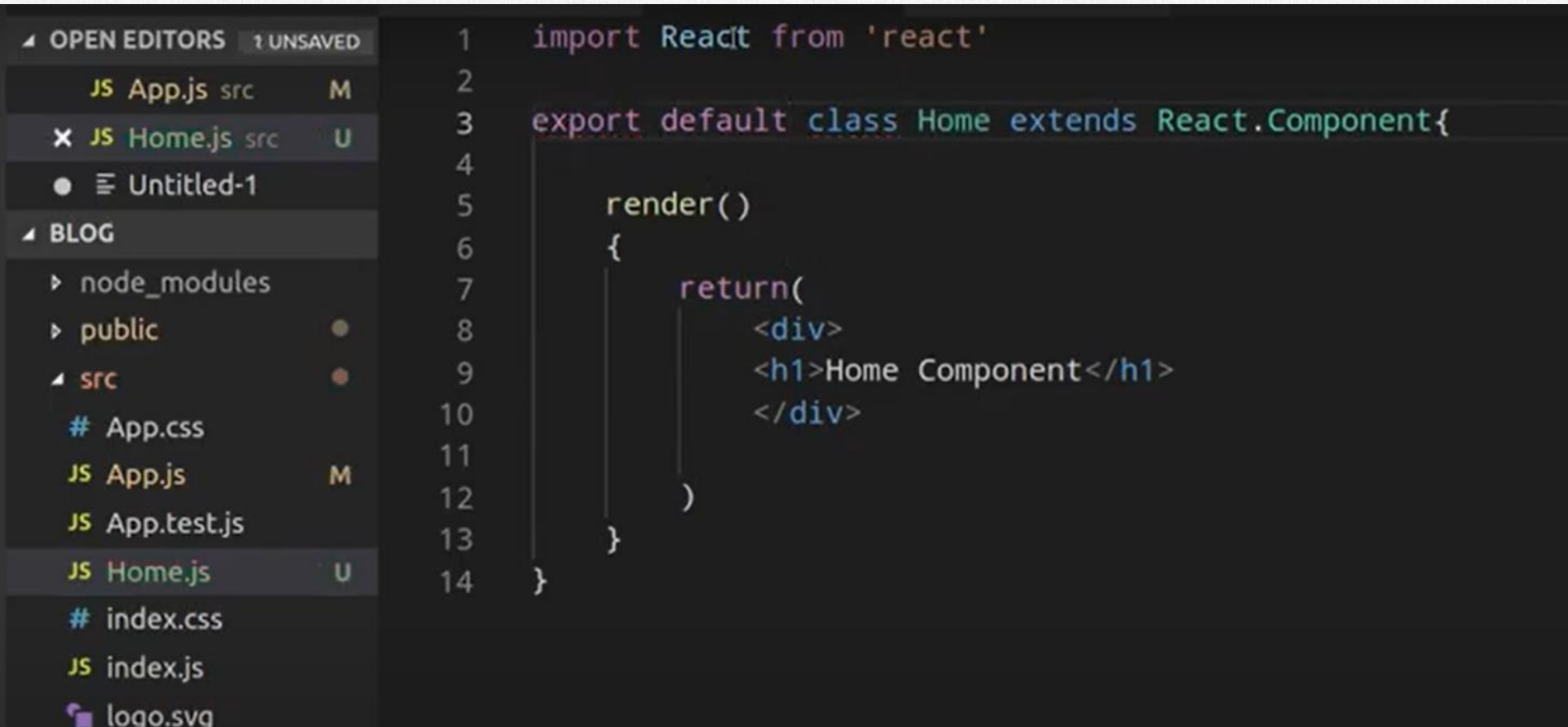
Complex UI logic

Provide lifecycle hooks

Stateful/ Smart/ Container

How to create Component:-

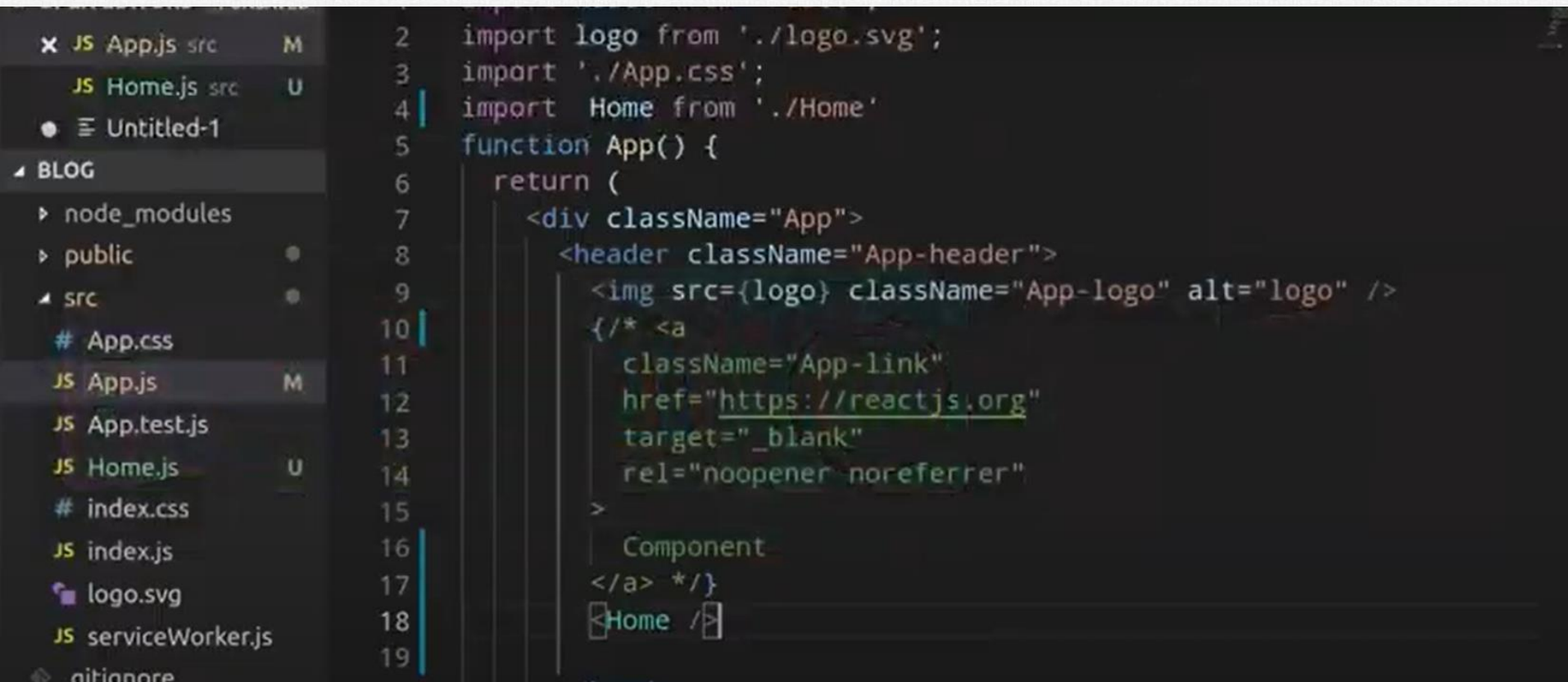
- Src Folder right click and Home.js .
- Create class component:-



The screenshot shows the VS Code editor interface. On the left, the 'EXPLORER' sidebar displays the project structure. The 'src' folder is expanded, showing files like App.css, App.js, App.test.js, Home.js (selected), index.css, index.js, and logo.svg. The 'Home.js' file is highlighted. The main editor area shows the code for Home.js, which is a class component extending React.Component. The code includes an import statement for React, a class definition for Home, and a render method that returns a JSX element containing a div with an h1 tag labeled 'Home Component'.

```
1  import React from 'react'
2
3  export default class Home extends React.Component{
4
5      render()
6      {
7          return(
8              <div>
9                  <h1>Home Component</h1>
10             </div>
11          )
12      }
13  }
14
```

- App is the parent component and call this home component inside the app component.



```
1  import logo from './logo.svg';
2  import './App.css';
3  import Home from './Home'
4  function App() {
5    return (
6      <div className="App">
7        <header className="App-header">
8          <img src={logo} className="App-logo" alt="logo" />
9          { /* <a
10             className="App-link"
11             href="https://reactjs.org"
12             target="_blank"
13             rel="noopener noreferrer"
14           >
15             Component
16           </a> */}
17         <Home />
18       </div>
19     )
20   }
21   export default App;
```

Thanks