Decentralized social media design training

episode 1: set up design env, intro to basic CSS

Steps to set up env.

- Nodejs and npm

  1. download nodejs package and sudo chmod 755 node-v12.19.0-linux-x64.tar.xz

  2. sudo mv node_modules/ /usr/lib/

  3. sudo ln -s ../lib/node_modules/npm/bin/npm-cli.js npm

     sudo ln -s ../lib/node_modules/npm/bin/npx-cli.js npx

     sudo cp node   */usr/bin*

- Install reactjs

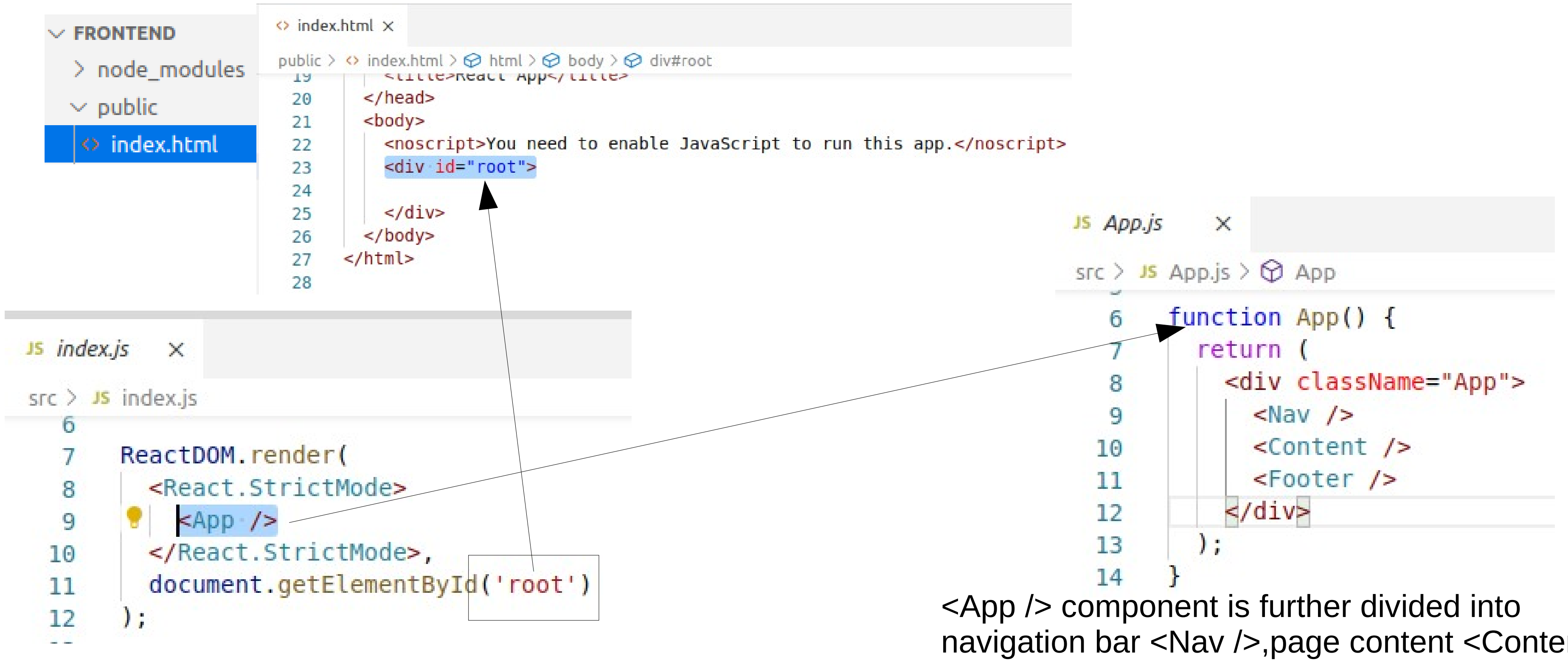
  sudo npm install -g create-react-app

Intro to React

- React is easy, don’t be discouraged! If we keep in mind the motivation of SPA and front-end server, ie, the historical problems the react framework is trying to solve we can easily understand each component of react! This applies to other framework
- Talking is cheap, lest begin with coding. We can pick up the knowledge of React, html, css, etc… by building this interesting project. Just like the way we pick a language, for instance, we did not start learning English only after we have finished the whole Dictionary and grammar. We only remember these that we need!

The structure of hello world

- Why it is SPA. The whole project is designed to render only one page, which is index.html under public folder as shown below, dynamically according to user input.



```
    <title>React App</title>
  </head>
  <body>
    <noscript>You need to enable JavaScript to run this app.</noscript>
    <div id="root">

    </div>
  </body>
</html>
```

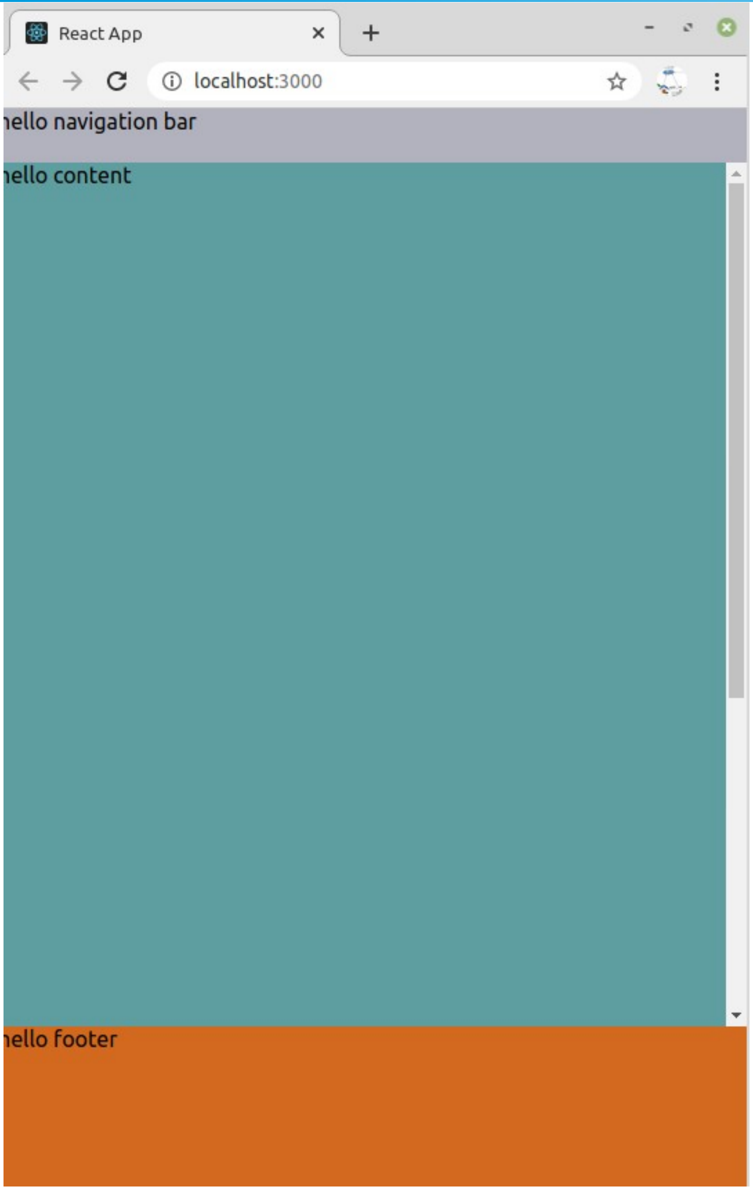
```
ReactDOM.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>,
  document.getElementById('root')
);
```

```
function App() {
  return (
    <div className="App">
      <Nav />
      <Content />
      <Footer />
    </div>
  );
}
```

Index.js renders <App /> componet to root div under the <body> of html file

<App /> component is further divided into navigation bar <Nav />,page content <Content > *and footer* <Footer />, then we can further divide each component like so. By designing website like so, we only have to update the corresponding component of the web page when required,so it increase the user experience

The structure of hello world



hello navigation bar

hello content

hello footer

Intro to css flex and grid

- Flex-grow, flex-shrink, flex-basis