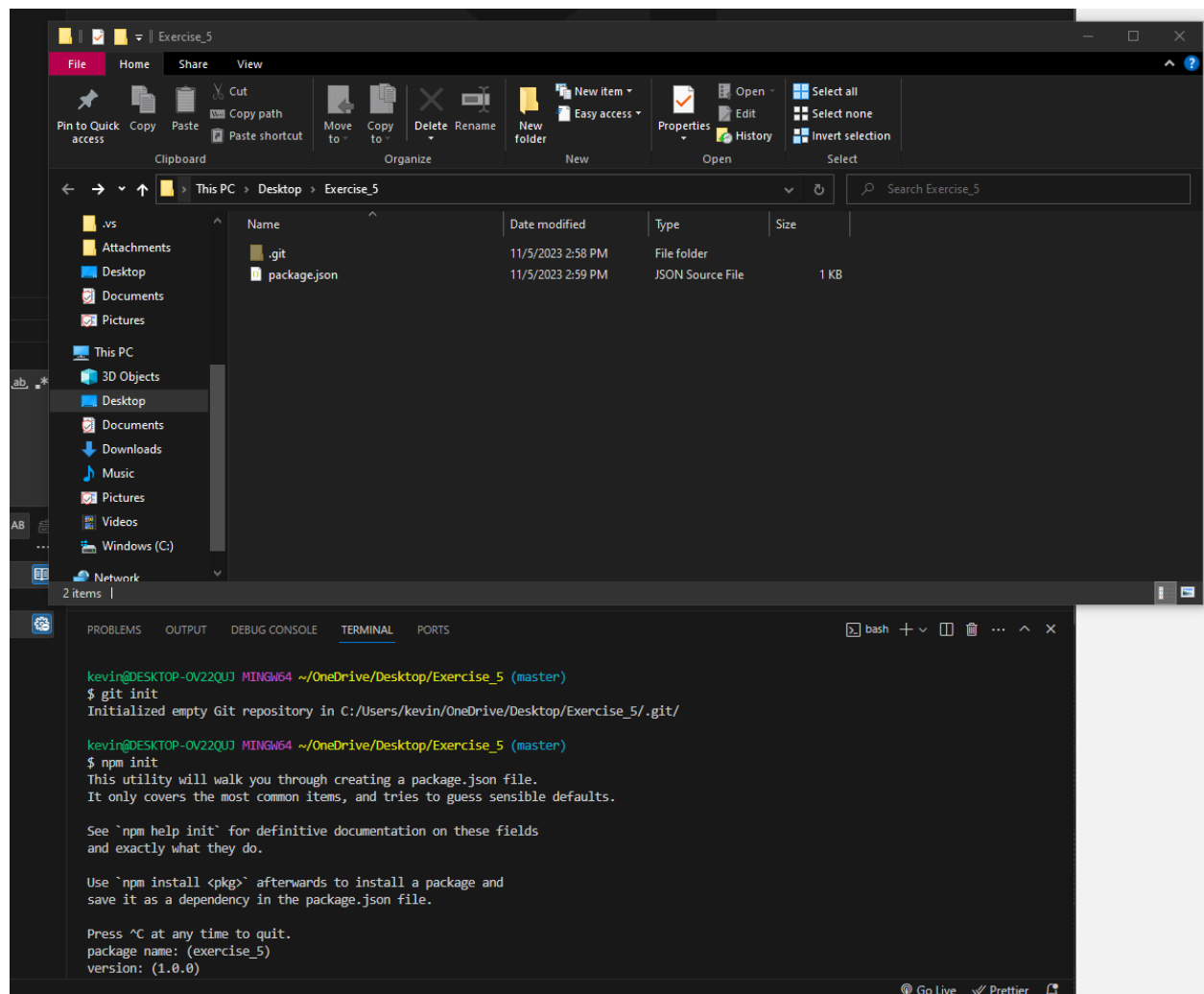
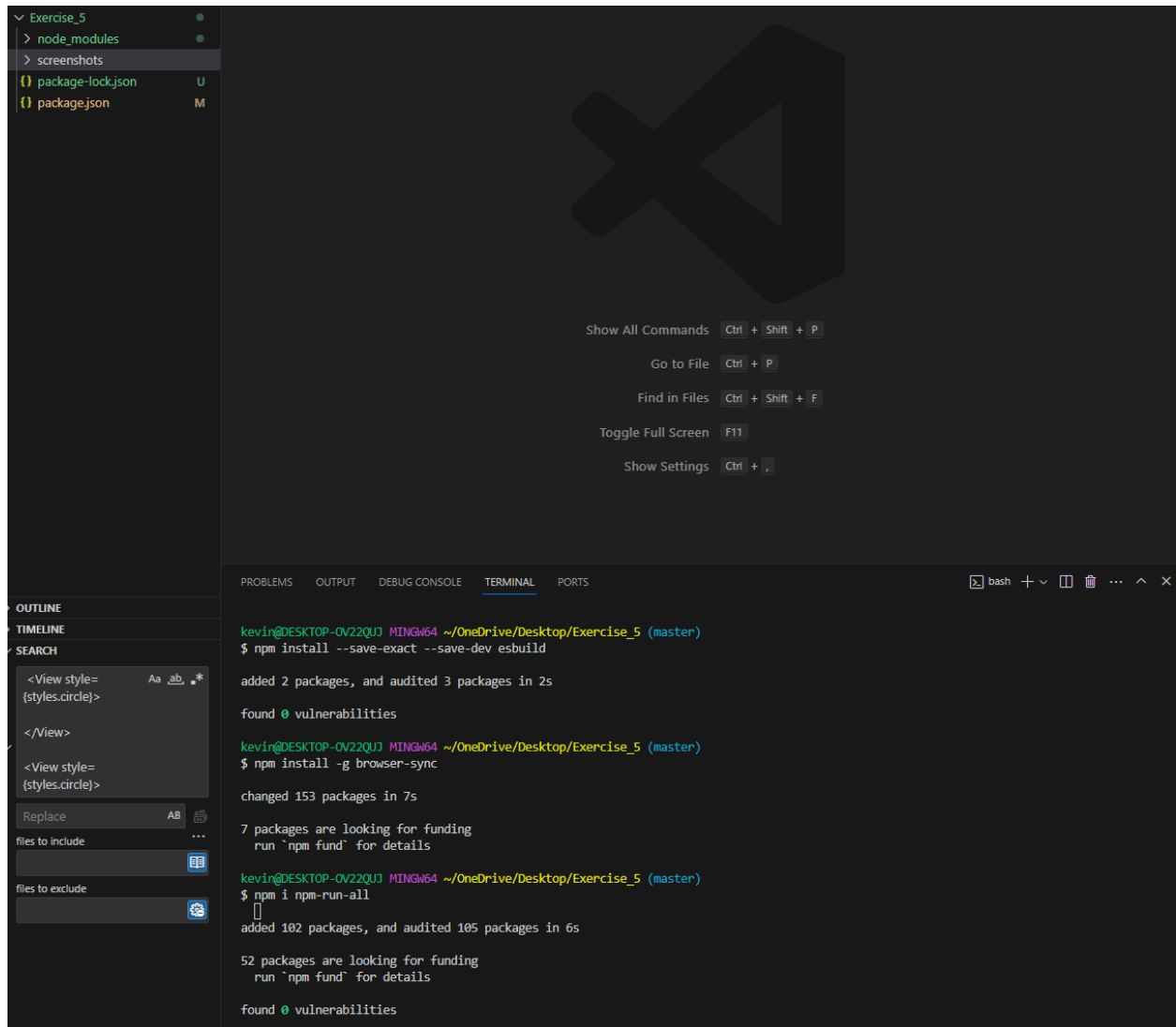


## Step 1:



I created a new repository and used git init to make it a Git repository. Then I used npm init to add a package.json file.

## Step 2:



The screenshot shows the Visual Studio Code interface. The left sidebar contains the Explorer view with a file tree for 'Exercise\_5' showing 'node\_modules', 'screenshots', 'package-lock.json', and 'package.json'. Below this is the Search view with filters for 'View style= (styles.circle)'. The main editor area displays a large, faint VS Code logo. The bottom panel shows the TERMINAL view with the following output:

```
kevin@DESKTOP-OV22QUJ MINGW64 ~/OneDrive/Desktop/Exercise_5 (master)
$ npm install --save-exact --save-dev esbuild

added 2 packages, and audited 3 packages in 2s

found 0 vulnerabilities

kevin@DESKTOP-OV22QUJ MINGW64 ~/OneDrive/Desktop/Exercise_5 (master)
$ npm install -g browser-sync

changed 153 packages in 7s

7 packages are looking for funding
run `npm fund` for details

kevin@DESKTOP-OV22QUJ MINGW64 ~/OneDrive/Desktop/Exercise_5 (master)
$ npm i npm-run-all

added 102 packages, and audited 105 packages in 6s

52 packages are looking for funding
run `npm fund` for details

found 0 vulnerabilities
```

I installed esbuild by running: `npm install --save-exact --save-dev esbuild`. Then, I installed browser-sync by running: `npm install -g browser-sync`. After, I installed npm-run-all by running: `npm i npm-run-all`.

### Step 3:

Name	Date modified	Type	Size
.git	11/5/2023 3:02 PM	File folder	
screenshots	11/5/2023 3:02 PM	File folder	
package.json	11/5/2023 2:59 PM	JSON Source File	1 KB
node_modules	11/5/2023 3:01 PM	File folder	
CHANGELOG.md	11/5/2023 3:03 PM	Markdown Source...	90 KB
LICENSE.md	11/5/2023 3:03 PM	Markdown Source...	2 KB
pocketbase.exe	11/5/2023 3:03 PM	Application	47,169 KB

I downloaded PocketBase then extracted all that was in the zip file into the root of the directory.

### Step 4:

Name	Date modified	Type	Size
.git	11/5/2023 3:04 PM	File folder	
node_modules	11/5/2023 3:01 PM	File folder	
pb_public	11/5/2023 3:04 PM	File folder	
screenshots	11/5/2023 3:03 PM	File folder	
src	11/5/2023 3:04 PM	File folder	
CHANGELOG.md	11/5/2023 3:03 PM	Markdown Source...	90 KB
LICENSE.md	11/5/2023 3:03 PM	Markdown Source...	2 KB
package.json	11/5/2023 3:01 PM	JSON Source File	1 KB
package-lock.json	11/5/2023 3:01 PM	JSON Source File	57 KB
pocketbase.exe	11/5/2023 3:03 PM	Application	47,169 KB

I created subdirectories pb\_public and src.

## Step 5:

```
index.html U X app.jsx U
Exercise_5 > pb_public > index.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <title>CPSC 349 - Exercise 4</title>
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7
8   <script type="module" src="app.js"></script>
9 </head>
10
11 <body>
12   <div id="root"></div>
13 </body>
14
15 </html>

app.jsx U X
Exercise_5 > src > app.jsx > App
1 const USERNAME = 'ADMIN_EMAIL'
2 const PASSWORD = 'ADMIN_PASSWORD'
3
4 const pb = new PocketBase('http://127.0.0.1:8090')
5
6 const authData = await pb.admins.authWithPassword(USERNAME, PASSWORD)
7 console.log(authData)
8
9 const root = ReactDOM.createRoot(document.getElementById('root'))
10
11 root.render(
12   <React.StrictMode>
13     <App />
14   </React.StrictMode>
15 )
16
17 function App () {
18   return (
19     <div className="App">
20       <h1>Hello, {authData.admin.email}</h1>
21     </div>
22   )
23 }
```

I added the index.html file into the pb\_public directory and the app.jsx file into src directory from the Gist provided.

## Step 6:

```
index.html M X app.jsx
Exercise_5 > pb_public > index.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <title>CPSC 349 - Exercise 4</title>
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7
8   <script type="module" src="app.js"></script>
9
10   <script defer crossorigin src="https://unpkg.com/react@18/umd/react.development.js"></script>
11   <script defer crossorigin src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"></script>
12 </head>
13
14 <body>
15   <div id="root"></div>
16 </body>
17
18 </html>
```

I modified the index.html file in the pb\_public directory by adding the CDN links for React.

## Step 7:

```
index.html app.jsx M X
Exercise_5 > src > app.jsx > App
1  const USERNAME = 'ADMIN_EMAIL'
2  const PASSWORD = 'ADMIN_PASSWORD'
3
4  import PocketBase from "https://cdn.jsdelivr.net/npm/pocketbase/pocketbase.es.js"
5
6  const pb = new PocketBase('http://127.0.0.1:8090')
7
8  const authData = await pb.admins.authWithPassword(USERNAME, PASSWORD)
9  console.log(authData)
10
11 const root = ReactDOM.createRoot(document.getElementById('root'))
12
13 root.render(
14   <React.StrictMode>
15     <App />
16   </React.StrictMode>
17 )
18
19 function App () {
20   return (
21     <div className='App'>
22       <h1>Hello, {authData.admin.email}</h1>
23     </div>
24   )
25 }
```

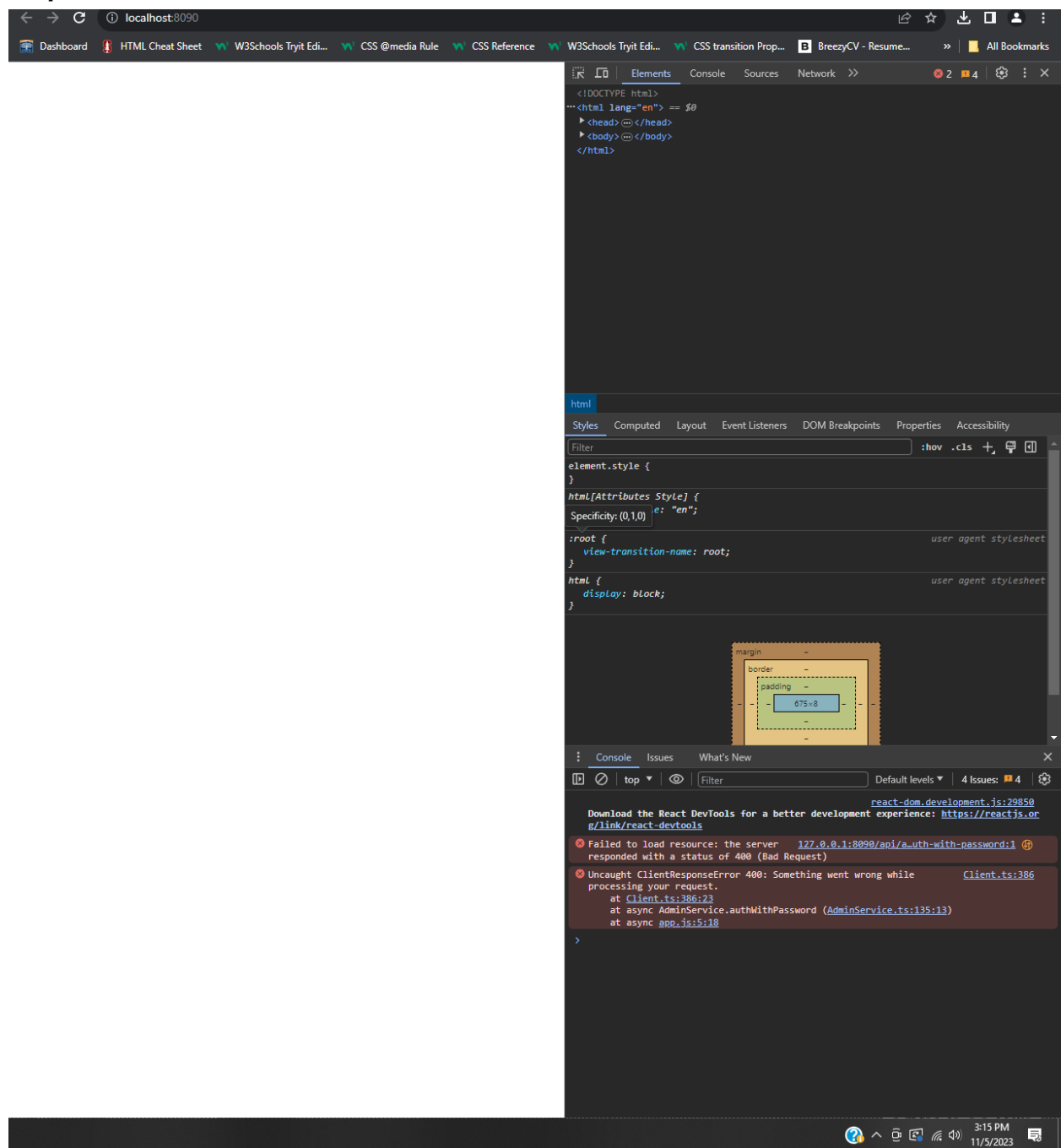
This step was where troubleshooting started. In my first attempt at this assignment, I was using the NPM method which required running `npm install pocketbase --save`. However, it didn't work after I tried doing a number of things, such as changing the port, turning off Trend Micro, changing the structure of the code in `app.js` and `app.jsx`, and much more. I emailed for guidance and was told to bring in the PocketBase SDK through CDN. I had trouble with this method as well, but found that the CDN I was using was old. Once I changed to another CDN of a newer version, it worked.

## Step 8:

```
package.json M X
Exercise_5 > {} package.json > {} dependencies
1  {
2    "name": "exercise_5",
3    "version": "1.0.0",
4    "description": "",
5    "main": "index.js",
6    "scripts": {
7      "test": "echo \"Error: no test specified\" && exit 1",
8      "pocketbase": "./pocketbase serve",
9      "esbuild": "esbuild src/app.jsx --outfile=pb_public/app.js --watch",
10     "browsersync": "browser-sync http://localhost:8090 --files 'pb_public/**/*'",
11     "start": "npm-run-all --parallel esbuild pocketbase browsersync"
12   },
13   "author": "",
14   "license": "ISC",
15   "devDependencies": {
16     "esbuild": "0.19.5"
17   },
18   "dependencies": {
19     "npm-run-all": "^4.1.5"
20   }
21 }
22
```

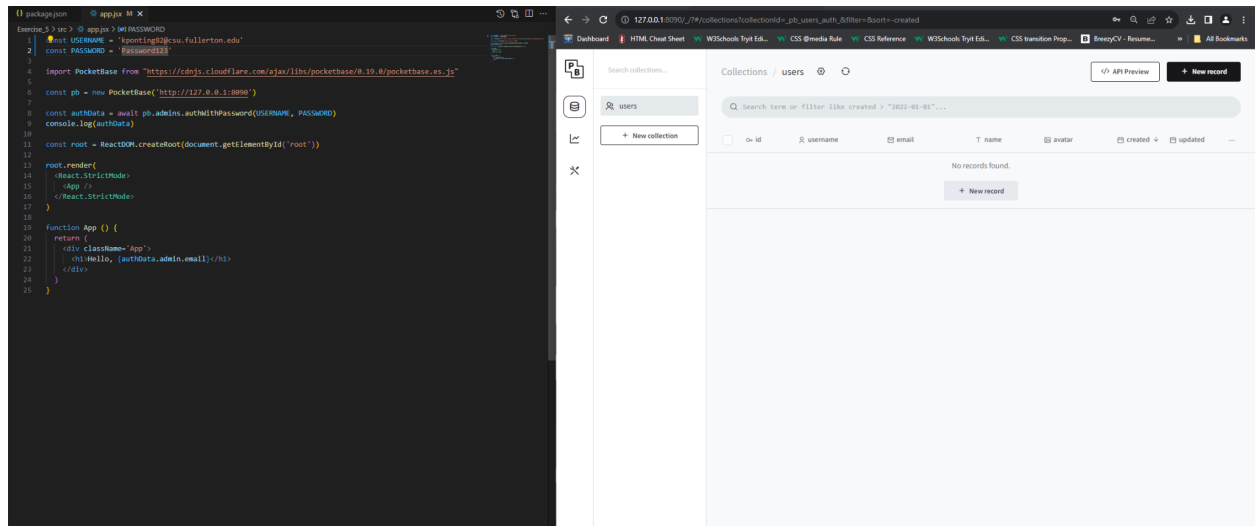
I added the provided scripts in the package.json file.

## Step 9:



When I ran npm start, I would get a popup from Trend Micro saying it blocked pocketbase.exe from opening since it thought it was suspicious. I then put it on the exception list and then it was allowed to open. A new tab opened in my browser, but it didn't have the specified errors I was supposed to be getting and the page was infinitely loading. After waiting a while to see if anything would load and redoing the assignment 4 times, I found out that I was actually at the wrong port (3000) and once I opened the correct port (8090), I saw the errors in the console and the blank page.

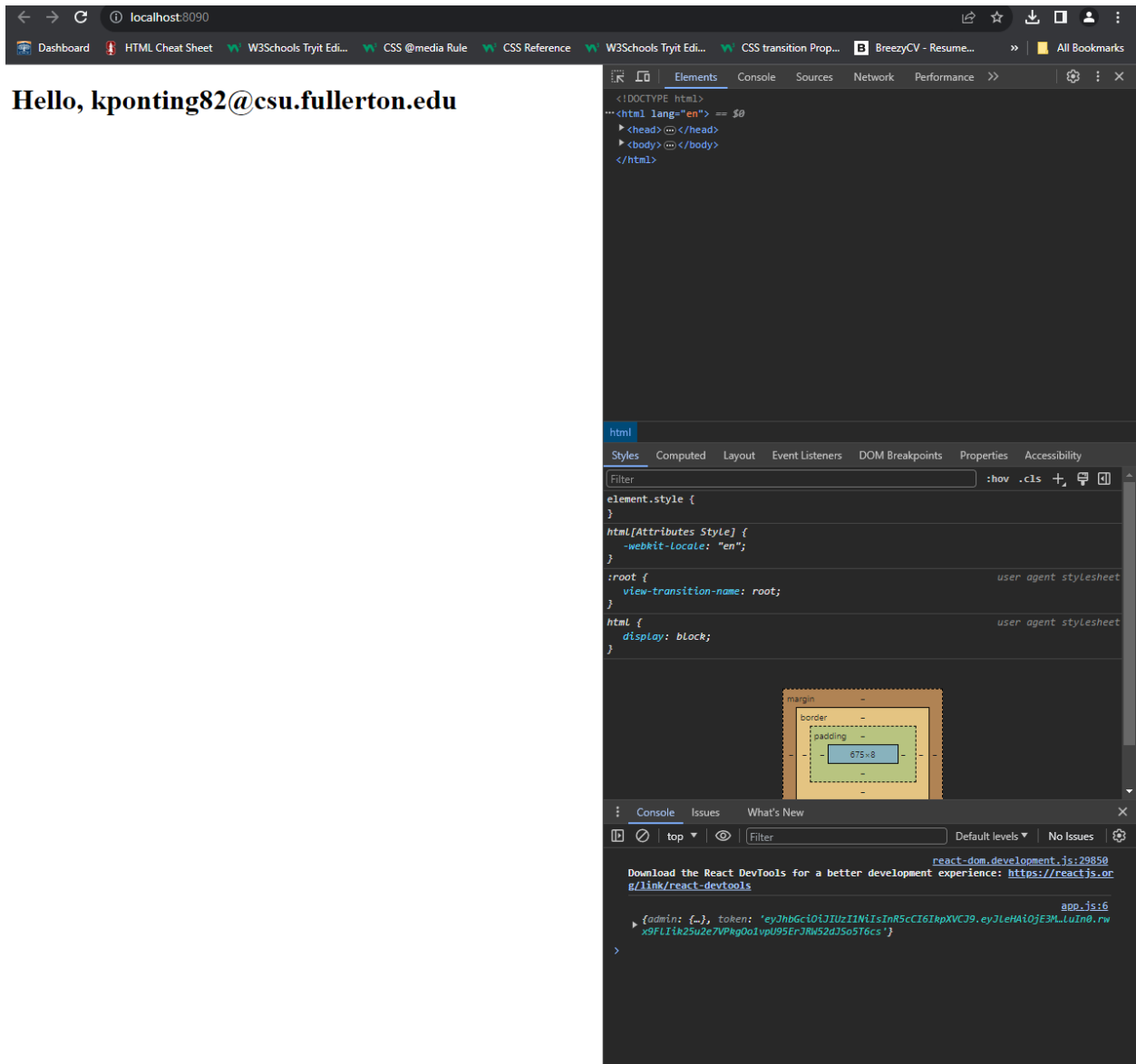
## Step 10:



I opened the PocketBase Admin UI and created an admin account. Then, I modified app.jsx in the src folder by changing USERNAME and PASSWORD to the credentials of my new admin account.



## Step 11:



I reloaded the page and was able to see the greeting. No more errors were showing either.