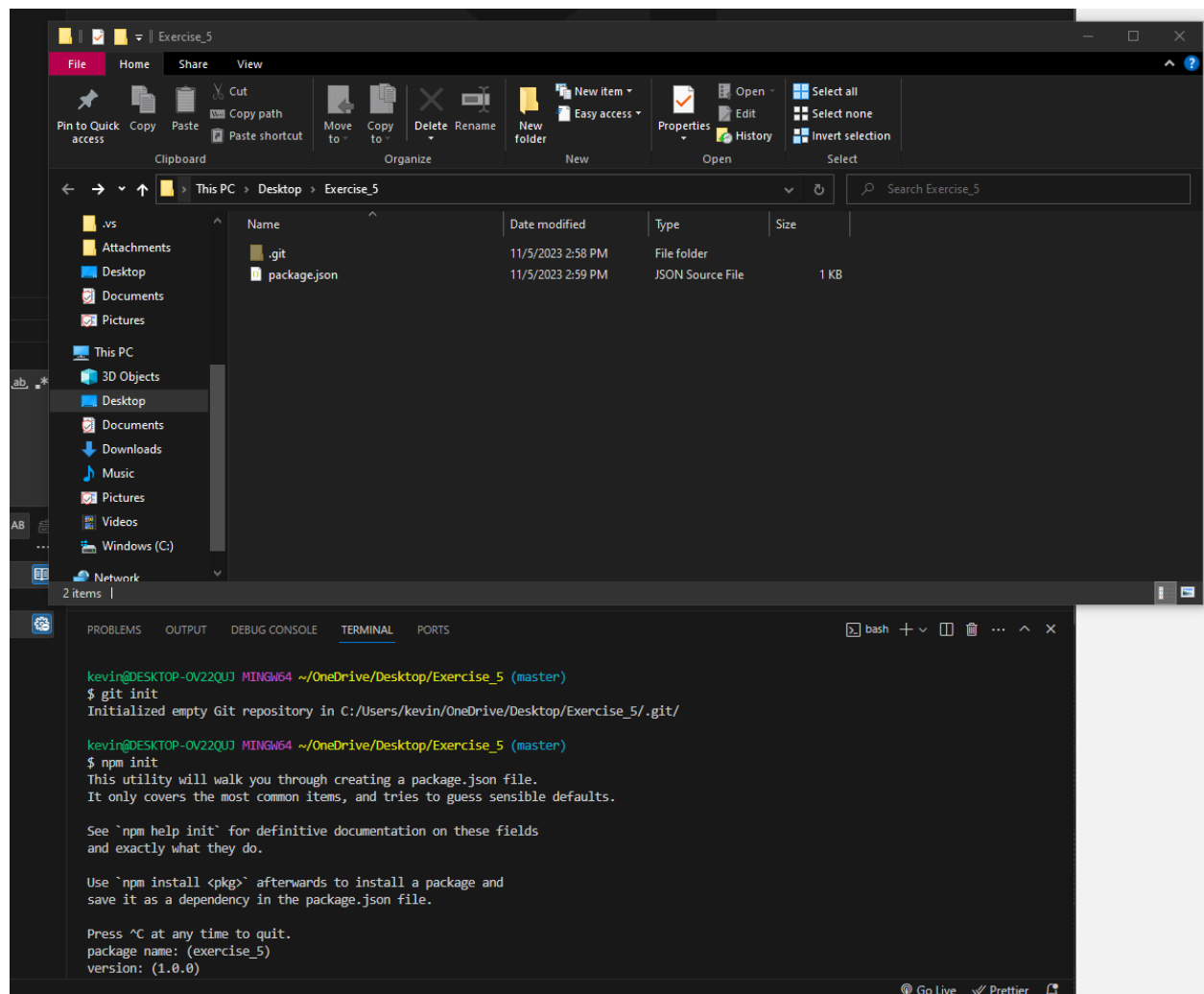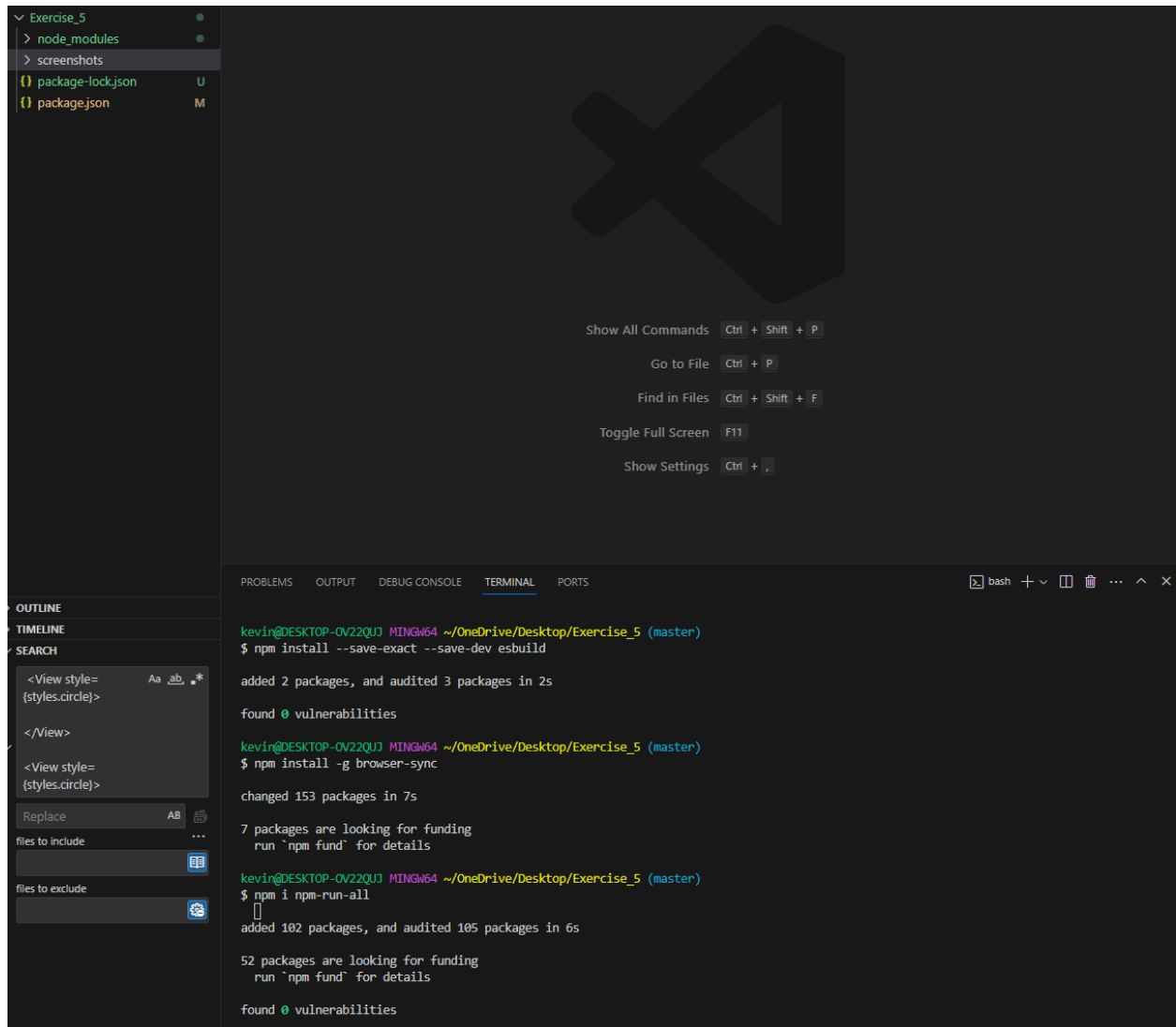## Step 1:



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:**



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:



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:



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://cdnjs.cloudflare.com/ajax/libs/pocketbase/0.19.0/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 ✕

Exercise_5 > {} package.json > {} dependencies
   1   {
   2       "name": "exercise_5",
   3       "version": "1.0.0",
   4       "description": "",
   5       "main": "index.js",
       ▷ Debug
   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:
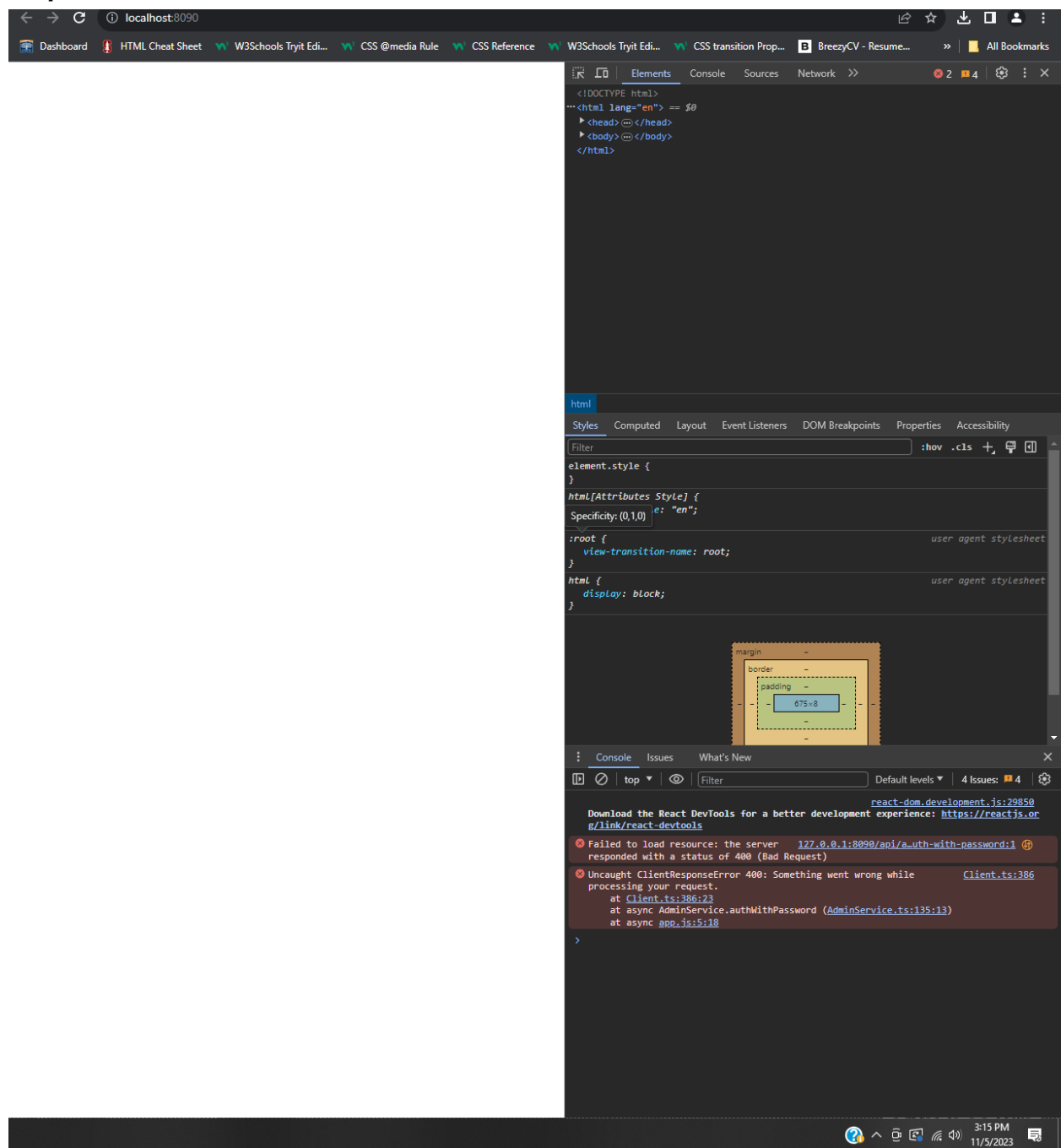


When I ran npm start, I would get a popup from Trend Micro saying it blocked pocketbase.exe from opening since it thought it was suspicious. I then put it on the exception list and then it was allowed to open. A new tab opened in my browser, but it didn't have the specified errors I was supposed to be 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.
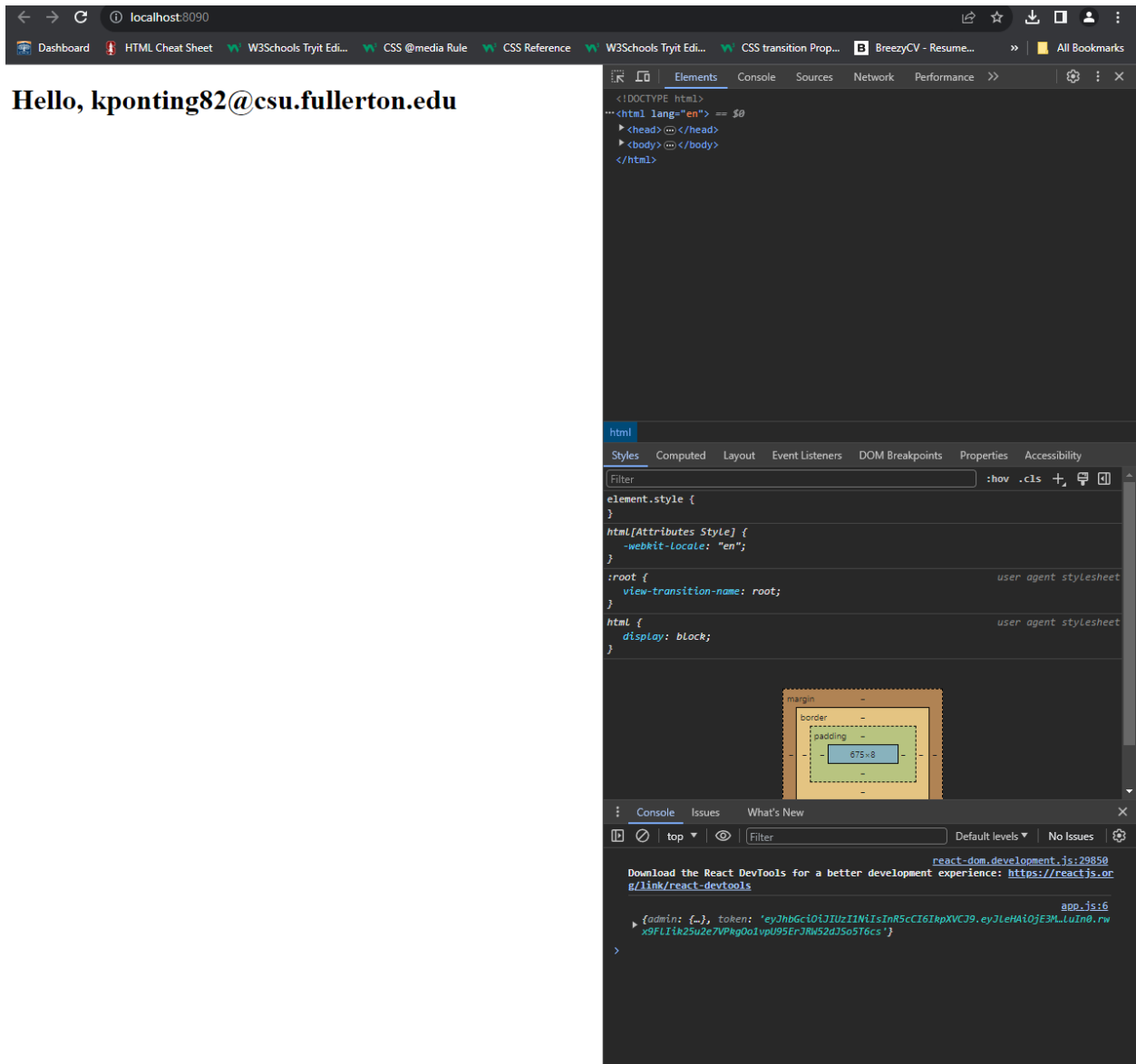
## Step 10:
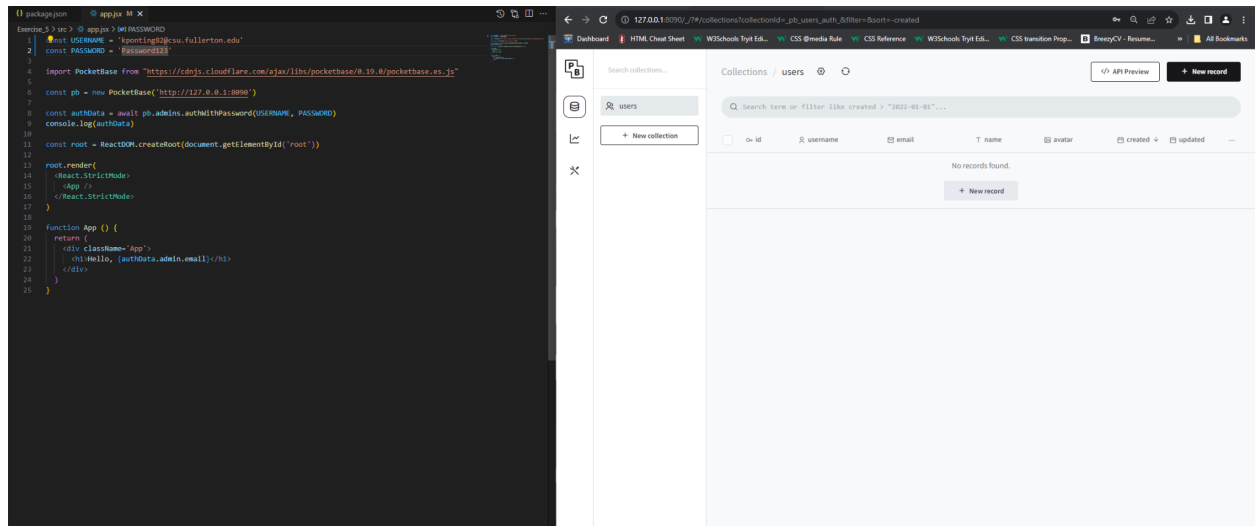


I opened the PocketBase Admin UI and created an admin account. Then, I modified app.jsx in the src folder by changing USERNAME and PASSWORD to the credentials of my new admin account.

## Step 11:



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