Exercise 4

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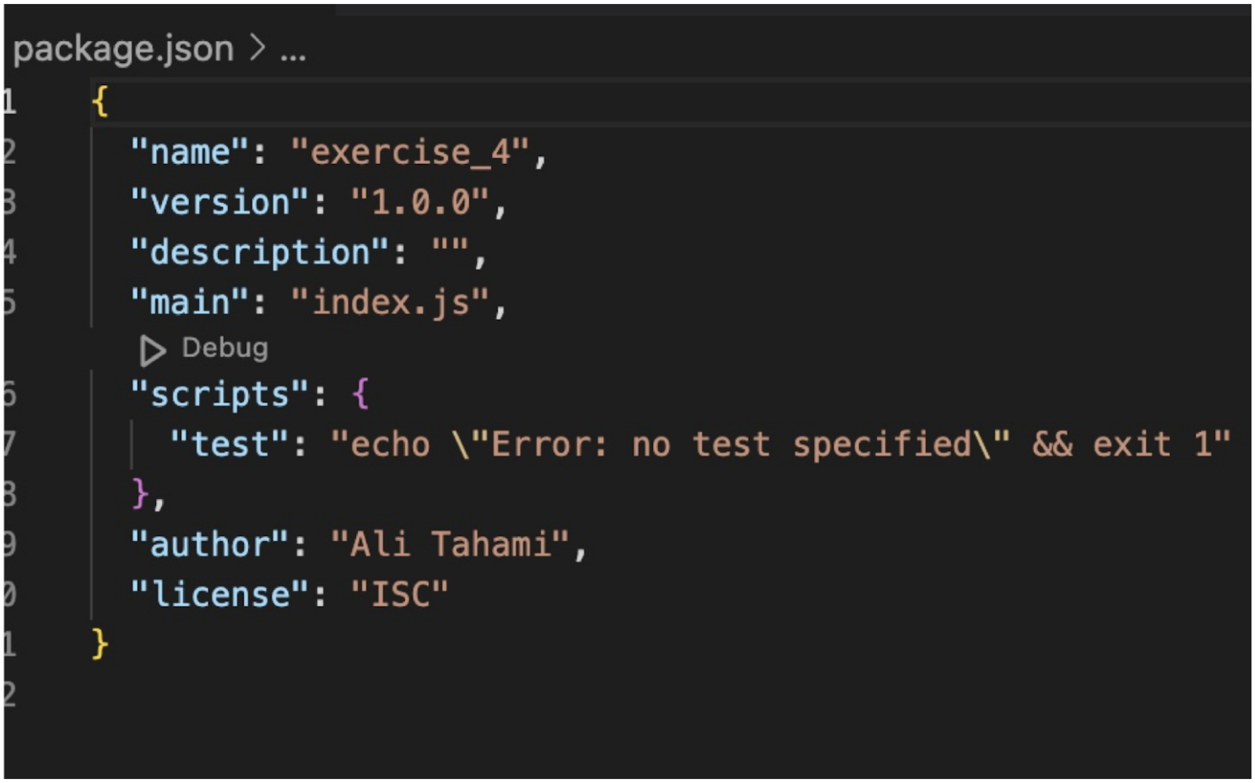
Fall 2022

Course number 13690

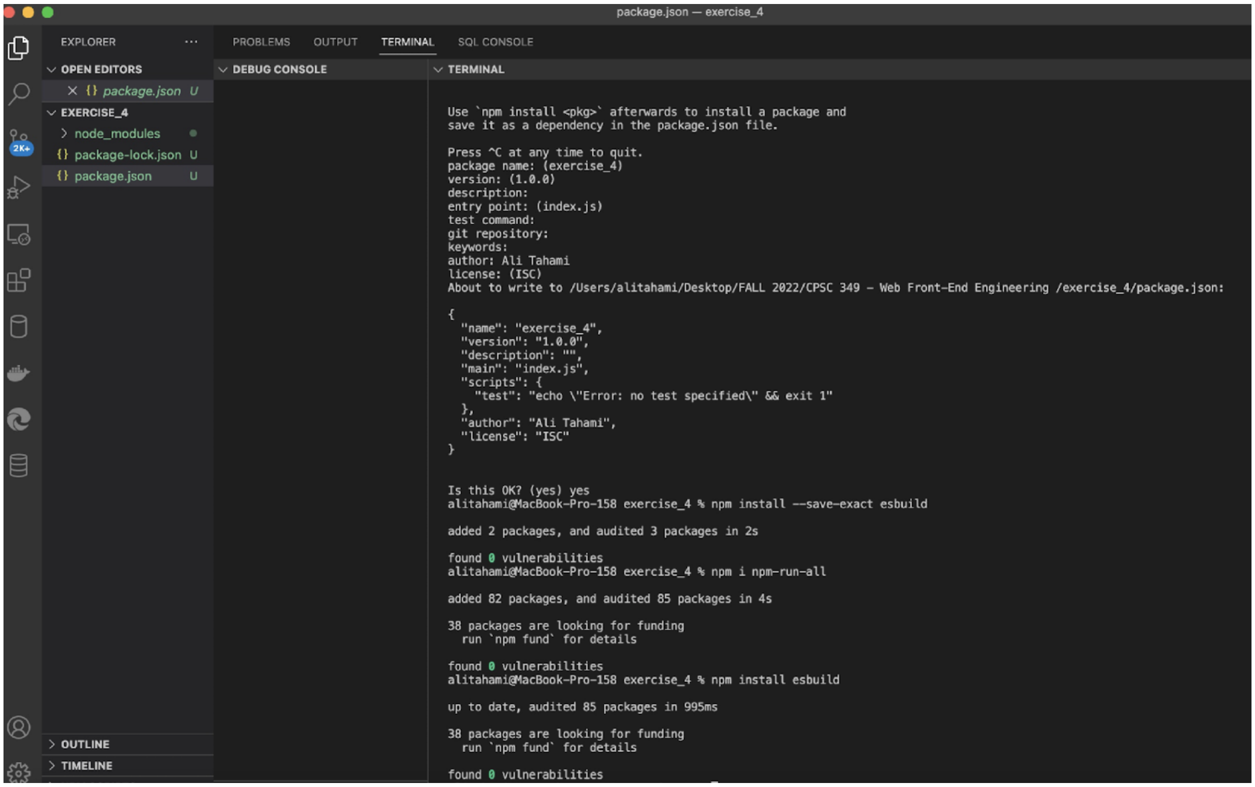
Section 1

1. For step one, I started by creating a new repository and adding a new NPM project naming it exercise_4. This is what the package.Json looked like



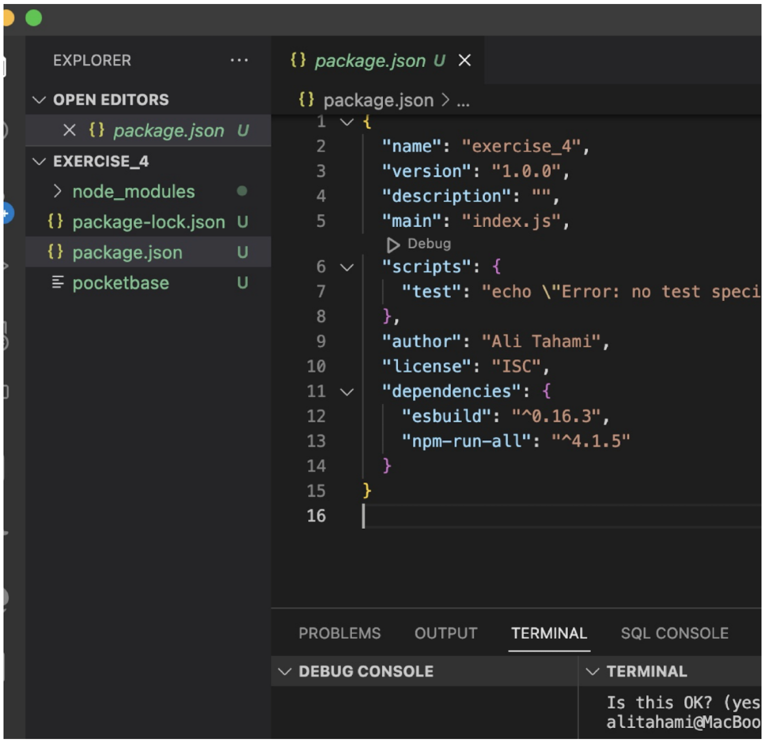
```
{
  "name": "exercise_4",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Ali Tahami",
  "license": "ISC"
}
```

2. Now install esbuild, and npm-run-all as development dependencies.



```
Use `npm install <pkg>` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
package name: (exercise_4)
version: (1.0.0)
description:
entry point: (index.js)
test command:
git repository:
keywords:
author: Ali Tahami
license: (ISC)
About to write to /Users/alitahami/Desktop/FALL 2022/CPSC 349 - Web Front-End Engineering /exercise_4/package.json:

{
  "name": "exercise_4",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Ali Tahami",
  "license": "ISC"
}


Is this OK? (yes) yes
alitahami@MacBook-Pro-158 exercise_4 % npm install --save-exact esbuild

added 2 packages, and audited 3 packages in 2s

found 0 vulnerabilities
alitahami@MacBook-Pro-158 exercise_4 % npm i npm-run-all

added 82 packages, and audited 85 packages in 4s

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

found 0 vulnerabilities
alitahami@MacBook-Pro-158 exercise_4 % npm install esbuild

up to date, audited 85 packages in 995ms

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

found 0 vulnerabilities
```

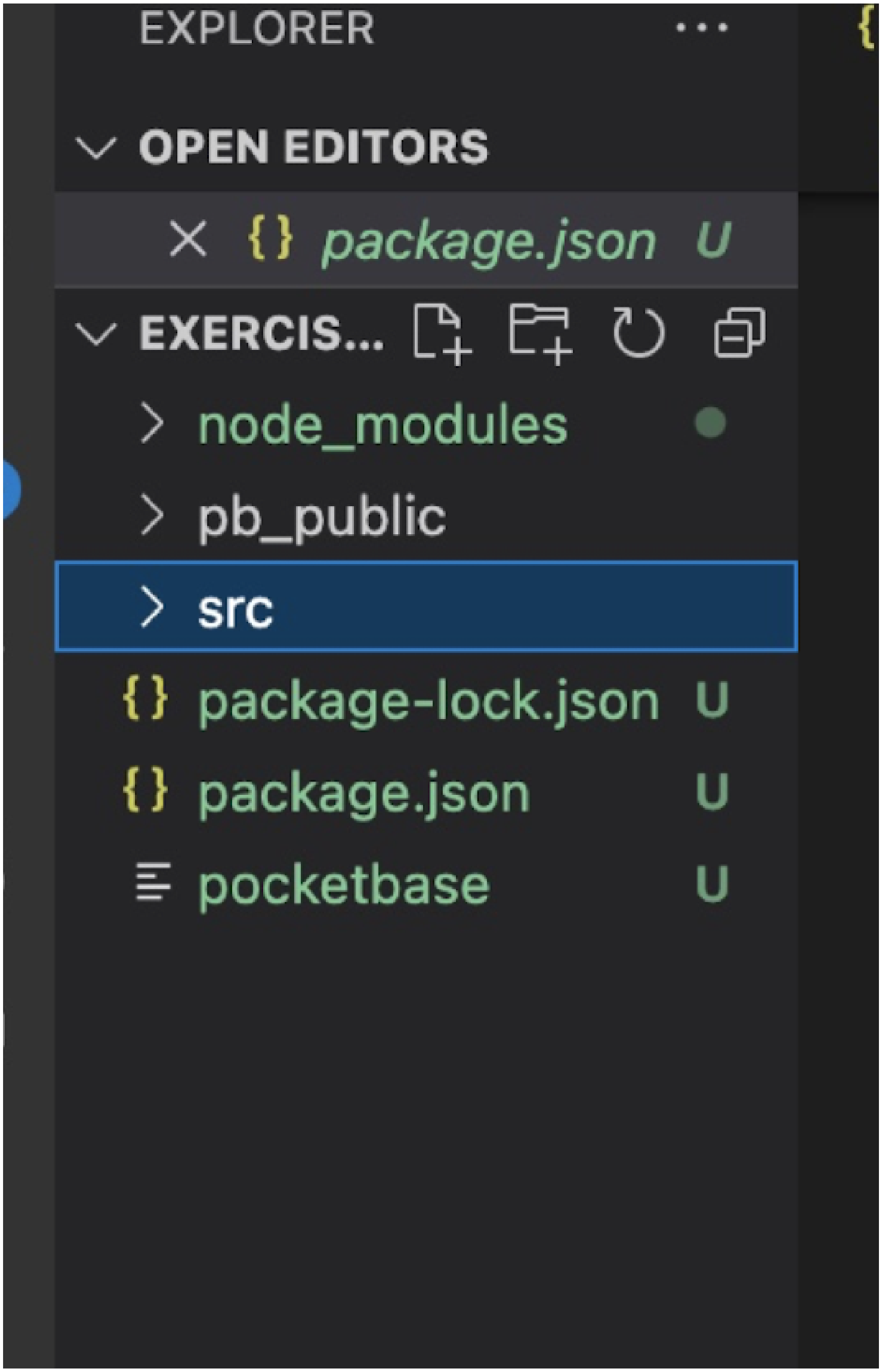
3. Downloaded pocket base and added it to the root of the project. Thos step took longer than needed because i downloaded the wrong files.



```
{
  "name": "exercise_4",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test speci
  },
  "author": "Ali Tahami",
  "license": "ISC",
  "dependencies": {
    "esbuild": "^0.16.3",
    "npm-run-all": "^4.1.5"
  }
}

```

```
Is this OK? (yes
alitahami@MacBoo
```

4. Next, i created subdirectories pb_public, which holds pocket base, and src to hold JSX source code.



EXPLORER

OPEN EDITORS

{} *package.json* U

EXERCIS...

node_modules

pb_public

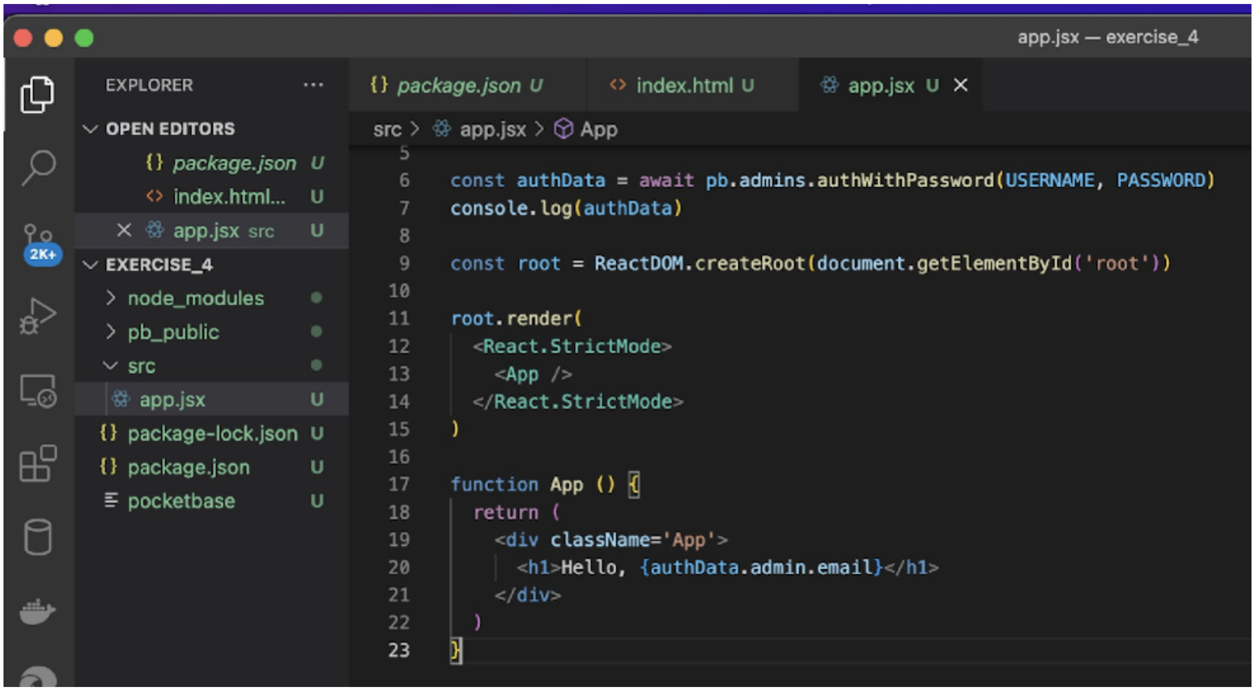
src

{} package-lock.json U

{} package.json U

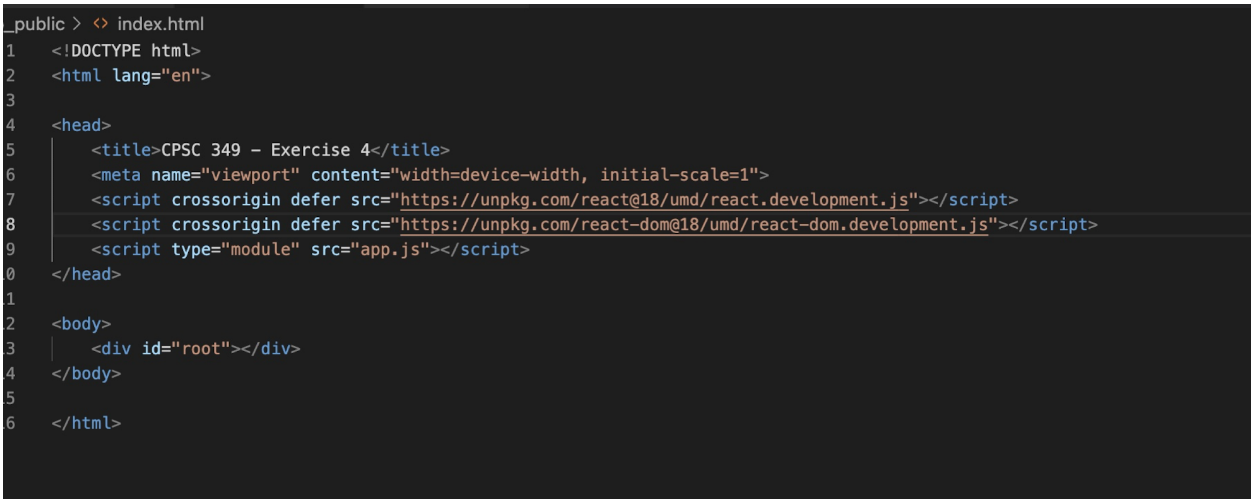
pocketbase U

5. Grab the code from Gist and add them to the correct folder.



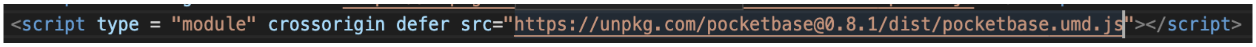
```
const authData = await pb.admins.authWithPassword(USERNAME, PASSWORD)
console.log(authData)

const root = ReactDOM.createRoot(document.getElementById('root'))

root.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
)

function App () {
  return (
    <div className='App'>
      <h1>Hello, {authData.admin.email}</h1>
    </div>
  )
}
```

6. Modify my .html file and add the correct CND Links for react. At first, I added it without "defer," but after and nothing was working, so I went back and read the document carefully and fixed the issue.



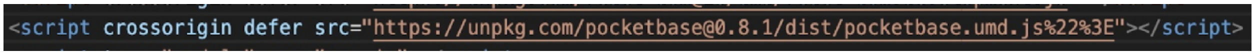
```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>CPSC 349 - Exercise 4</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <script crossorigin defer src="https://unpkg.com/react@18/umd/react.development.js"></script>
    <script crossorigin defer src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"></script>
    <script type="module" src="app.js"></script>
</head>

<body>
    <div id="root"></div>
</body>

</html>
```

7. This step took the longest because of a typo. The script was supposed to look like this



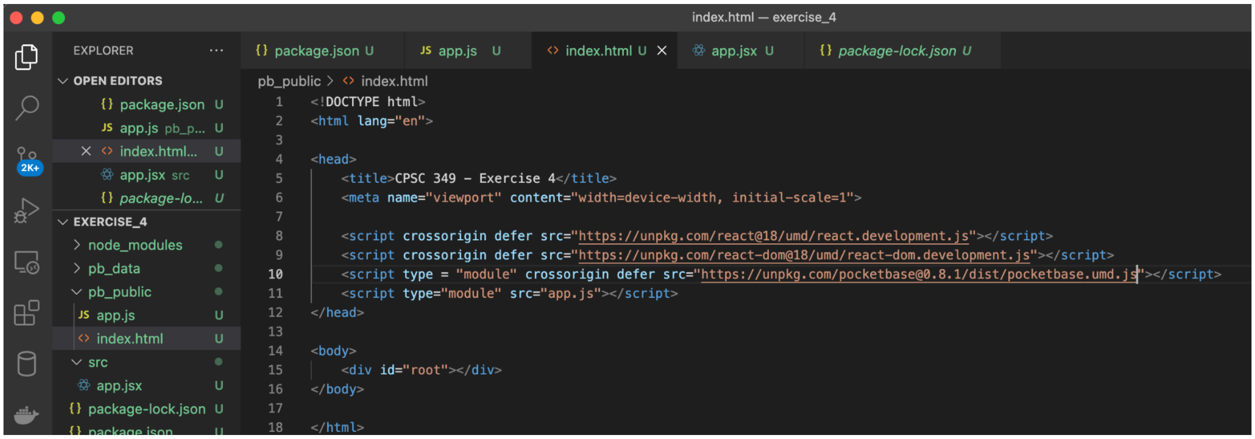
```
<script type = "module" crossorigin defer src="https://unpkg.com/pocketbase@0.8.1/dist/pocketbase.umd.js"></script>
```

but for some odd reason when i copied it from my clipboard it had this



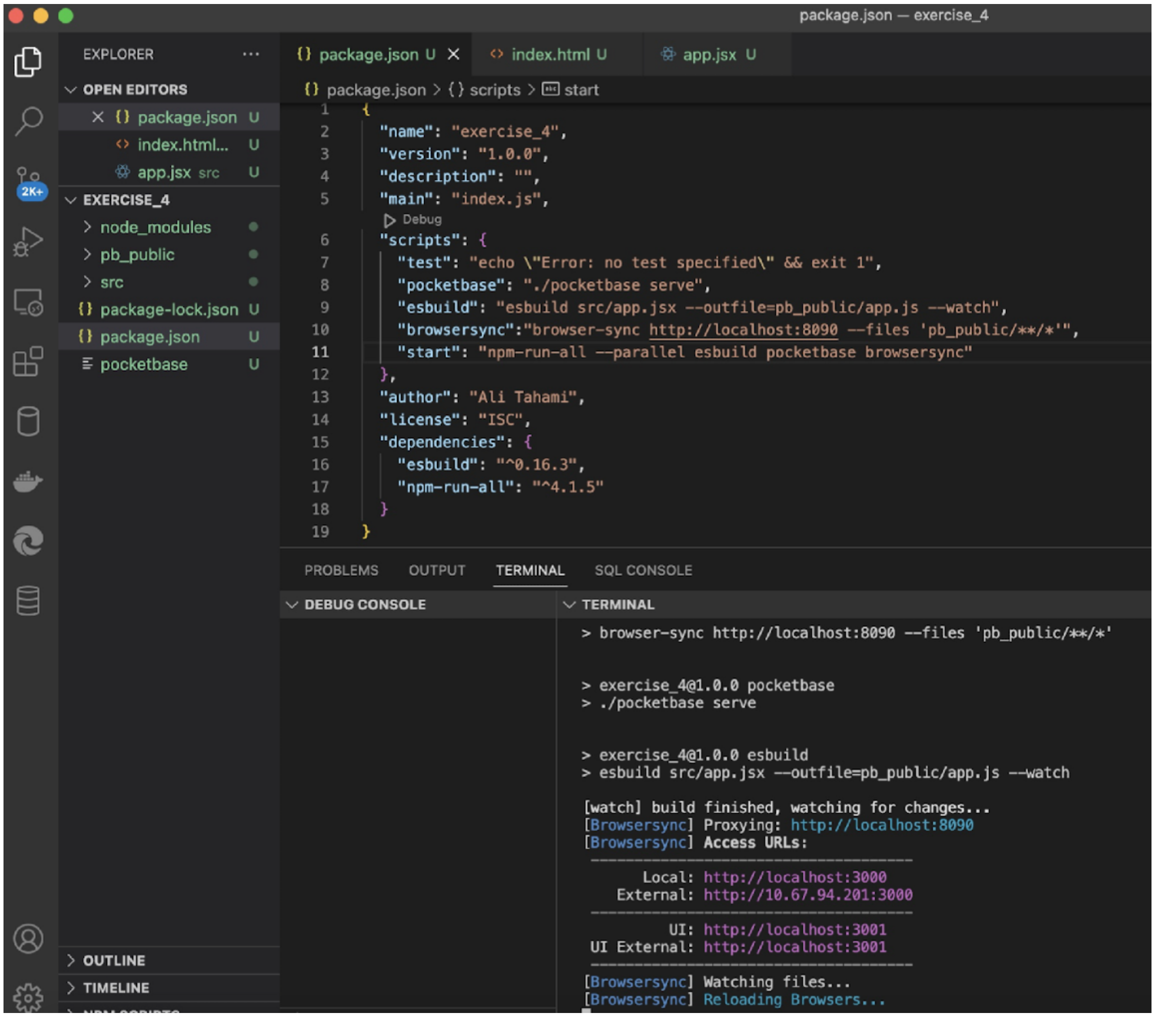
```
<script crossorigin defer src="https://unpkg.com/pocketbase@0.8.1/dist/pocketbase.umd.js%22%3E"></script>
```

which had extra garbage values at the end so this took me roughly 45 minutes to figure out the issue I discovered the typo at steps 9-11, and at the end I ended up with this for step 7.



```html
<!DOCTYPE html>
<html lang="en">

<head>
    <title>CPSC 349 - Exercise 4</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <script crossorigin defer src="https://unpkg.com/react@18/umd/react.development.js"></script>
    <script crossorigin defer src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"></script>
    <script type = "module" crossorigin defer src="https://unpkg.com/pocketbase@0.8.1/dist/pocketbase.umd.js"></script>
    <script type="module" src="app.js"></script>
</head>

<body>
    <div id="root"></div>
</body>

</html>
```

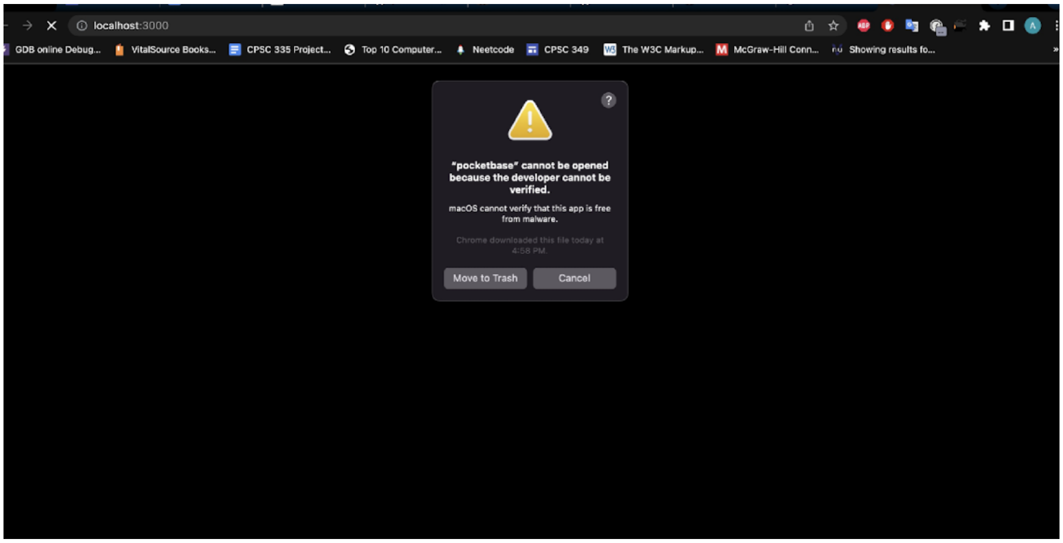
8. I added akk the necessary scripts for step 8 and did not have any issues



```json
{
  "name": "exercise_4",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "pocketbase": "./pocketbase serve",
    "esbuild": "esbuild src/app.jsx --outfile=pb_public/app.js --watch",
    "browsersync":"browser-sync http://localhost:8090 --files 'pb_public/**/*'",
    "start": "npm-run-all --parallel esbuild pocketbase browsersync"
  },
  "author": "Ali Tahami",
  "license": "ISC",
  "dependencies": {
    "esbuild": "^0.16.3",
    "npm-run-all": "^4.1.5"
  }
}
```

```
> browser-sync http://localhost:8090 --files 'pb_public/**/*'


> exercise_4@1.0.0 pocketbase
> ./pocketbase serve


> exercise_4@1.0.0 esbuild
> esbuild src/app.jsx --outfile=pb_public/app.js --watch

[watch] build finished, watching for changes...
[Browsersync] Proxying: http://localhost:8090
[Browsersync] Access URLs:
 --------------------------------------
       Local: http://localhost:3000
    External: http://10.67.94.201:3000
 --------------------------------------
          UI: http://localhost:3001
 UI External: http://localhost:3001
 --------------------------------------
[Browsersync] Watching files...
[Browsersync] Reloading Browsers...
```

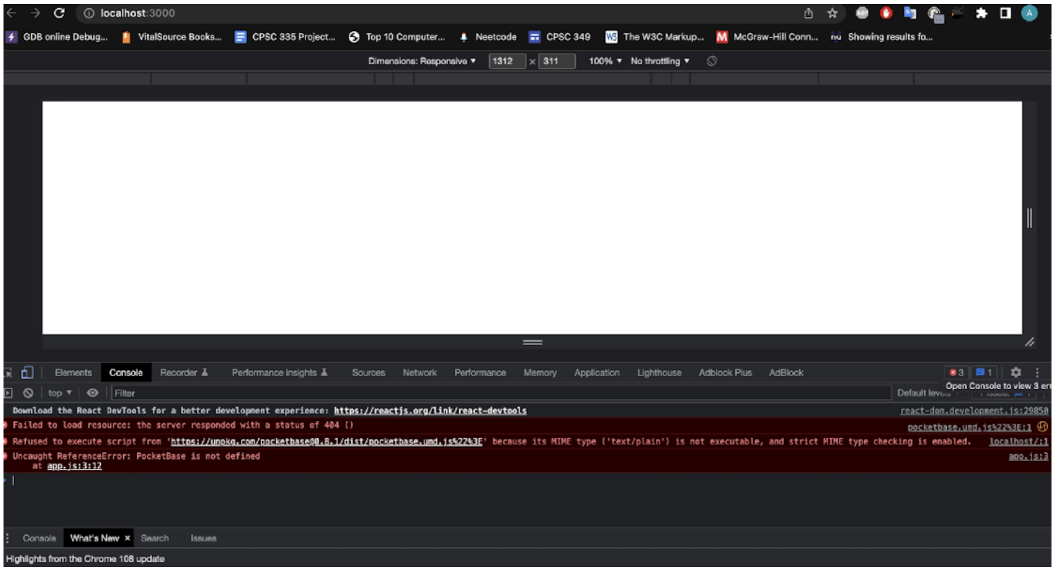
9. For step 9 running npm install my mac did not allow me to open the browser so i had to go in the settings and allow it



"pocketbase" cannot be opened because the developer cannot be verified.

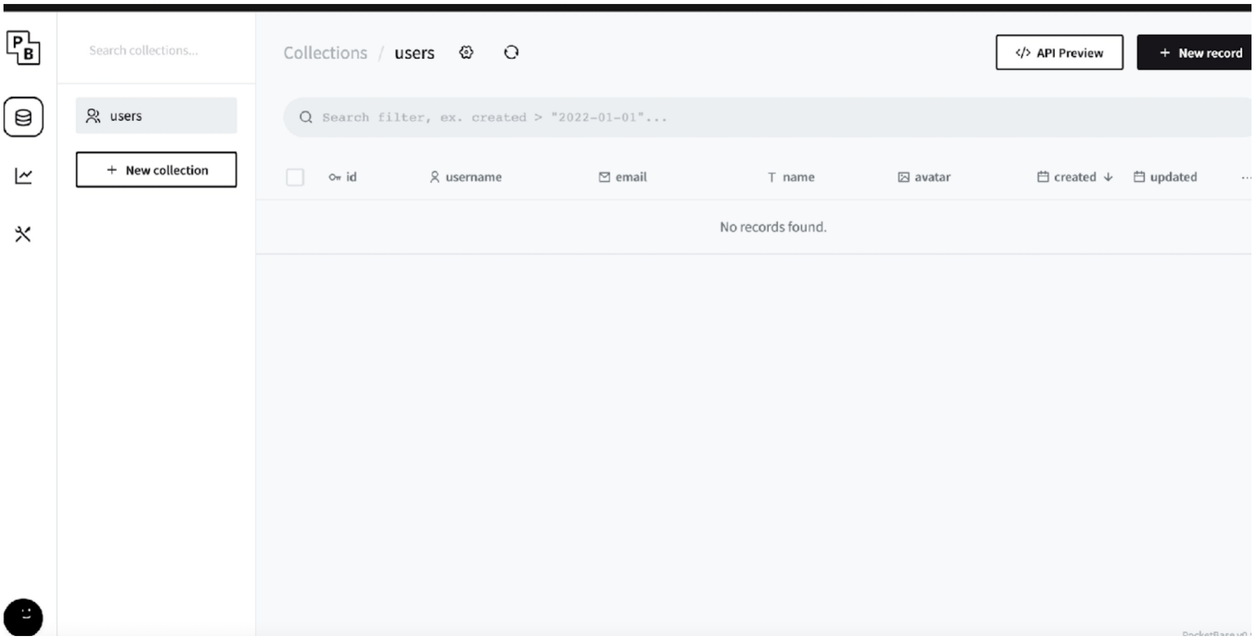
macOS cannot verify that this app is free from malware.

Chrome downloaded this file today at 4:58 PM.



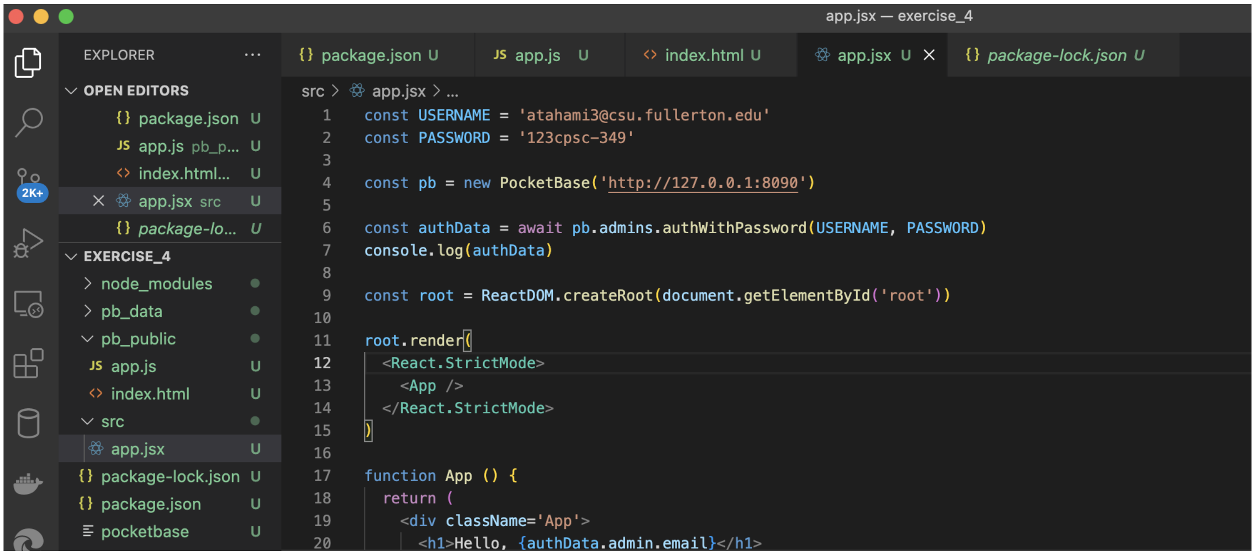
```
Download the React DevTools for a better development experience: https://reactjs.org/link/react-devtools    react-dom.development.js:29850
Failed to load resource: the server responded with a status of 404 ()    pocketbase.umd.js%22%3E:1
Refused to execute script from 'https://unpkg.com/pocketbase@0.8.1/dist/pocketbase.umd.js%22%3E' because its MIME type ('text/plain') is not executable, and strict MIME type checking is enabled.    localhost/:1
Uncaught ReferenceError: PocketBase is not defined    app.js:3
    at app.js:3:12
```

10. Opened the admin and made an account then added that information to app.jsx



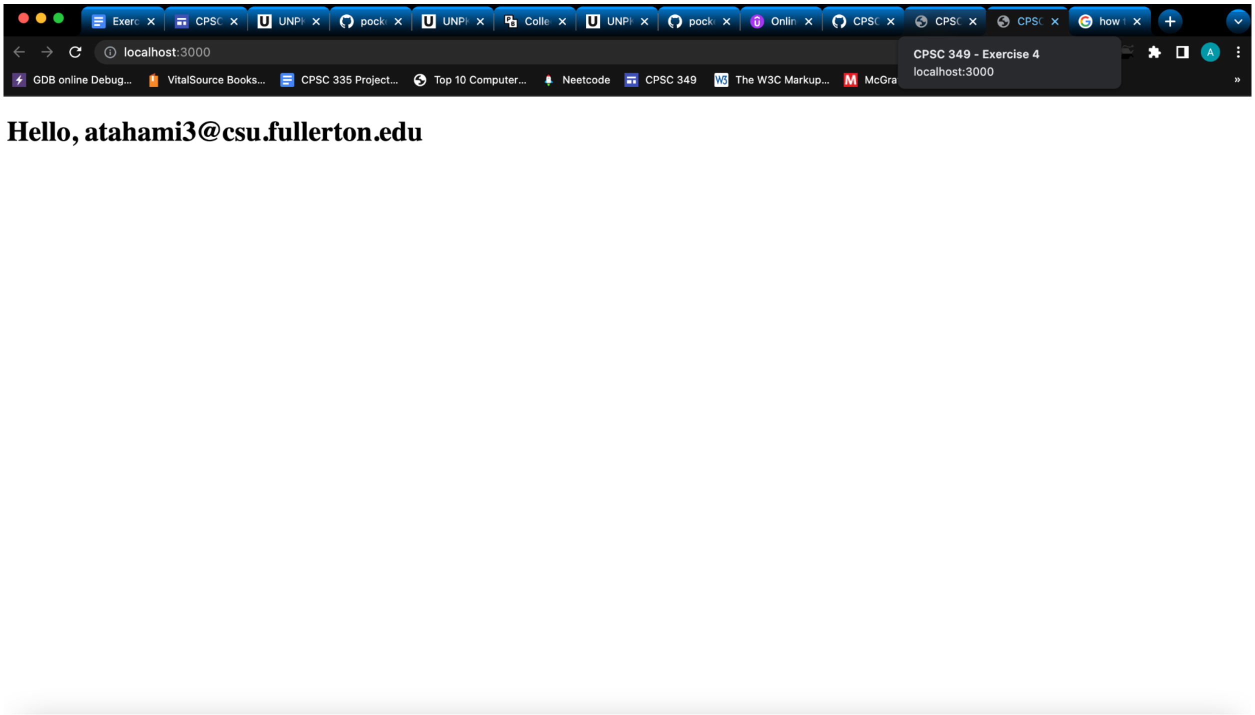
id	username	email	name	avatar	created	updated

No records found.


app.jsx — exercise_4

```
const USERNAME = 'atahami3@csu.fullerton.edu'
const PASSWORD = '123cpsc-349'

const pb = new PocketBase('http://127.0.0.1:8090')

const authData = await pb.admins.authWithPassword(USERNAME, PASSWORD)
console.log(authData)

const root = ReactDOM.createRoot(document.getElementById('root'))

root.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
)

function App () {
  return (
    <div className='App'>
      <h1>Hello, {authData.admin.email}</h1>
```

11. Finally Reloaded the page and everything was ok



Hello, atahami3@csu.fullerton.edu