

CheckMate V2

Tip: Fixing this error: - options.allowedHosts[0] should be a non-empty string.

Tip: Fixing Macbook deploy issues

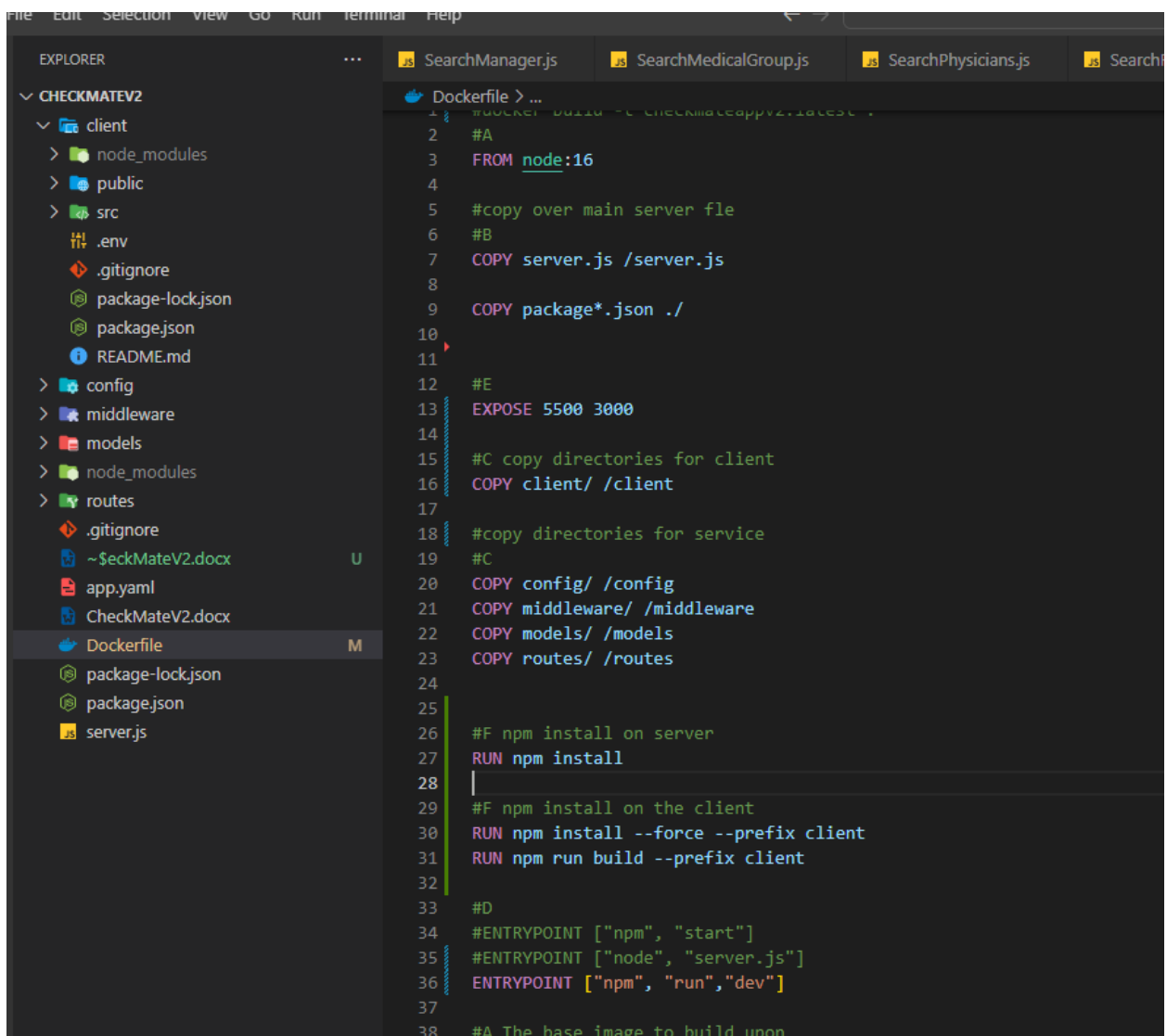
Tip: Comparing both versions of CheckMate

Tip: Running VSCode from command in terminal on mac m1

Tip: Using Google Meet for meetings

Tip: Getting the solution run in a docker container

Tip: Getting the solution run in a docker container



The screenshot shows the VS Code interface with a project named 'CHECKMATEV2'. The Explorer panel on the left shows the project structure, including a 'client' directory and various configuration files. The Dockerfile is open in the editor, showing the following content:

```
1 #docker build -t checkmateappv2:latest .
2 #A
3 FROM node:16
4
5 #copy over main server file
6 #B
7 COPY server.js /server.js
8
9 COPY package*.json ./
10
11
12 #E
13 EXPOSE 5500 3000
14
15 #C copy directories for client
16 COPY client/ /client
17
18 #copy directories for service
19 #C
20 COPY config/ /config
21 COPY middleware/ /middleware
22 COPY models/ /models
23 COPY routes/ /routes
24
25
26 #F npm install on server
27 RUN npm install
28
29 #F npm install on the client
30 RUN npm install --force --prefix client
31 RUN npm run build --prefix client
32
33 #D
34 #ENTRYPOINT ["npm", "start"]
35 #ENTRYPOINT ["node", "server.js"]
36 ENTRYPOINT ["npm", "run", "dev"]
37
38 #A The base image to build upon
```

Notice line 13, this is how you expose both ports

3000 is for the client app
5500 is for the NodeJS app

Line 16 is copying the client folder's contents

line 30 ad 31 runs the install and build of the react app

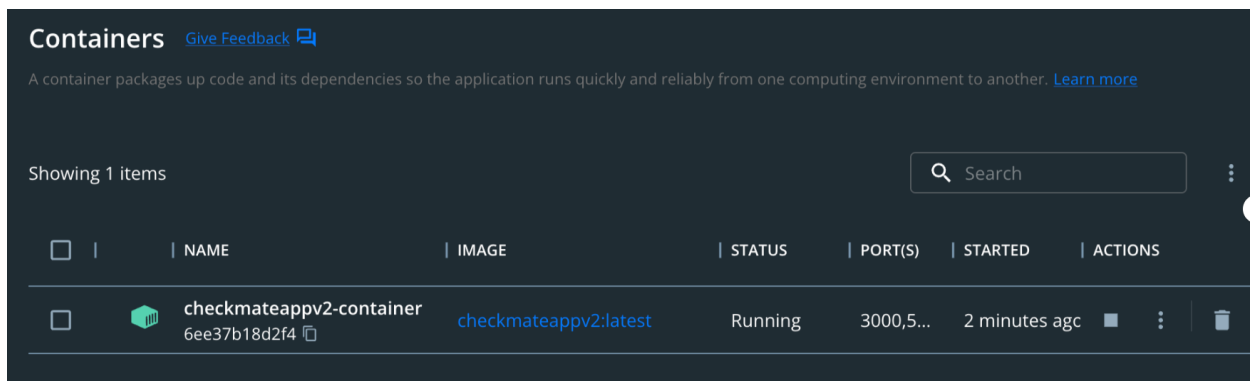
line 36 runs your custom command – (npm run dev)

To run the image

```
lioneljones — zsh — 132x33
Last login: Wed Oct 26 09:08:53 on ttys000
lioneljones@MackBookAirM1 ~ % docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
checkmateappv2      latest         7a5366aa0d04   33 seconds ago 1.4GB
assetmgmtsvc        latest         5ed50c8e47cb   12 days ago    902MB
lioneljones@MackBookAirM1 ~ % docker run --name checkmateappv2-container -p 3000:3000 -p 5500:5500 -d checkmateappv2
d50b54f5f3428acc28cd53e4fc14534d7b97778a5dc5835cae3ea19cbb9f76d
lioneljones@MackBookAirM1 ~ % docker container ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS          NAMES
lioneljones@MackBookAirM1 ~ % docker run --name checkmateappv2-container -p 3000:3000 -p 5500:5500 -d checkmateappv2
869ace6b2ca1a57fca5f030c99434a1dc5775f2b6cc255a65eddd4a9fb07363e1
lioneljones@MackBookAirM1 ~ % docker run --name checkmateappv2-container -p 3000:3000 -p 5500:5500 -d checkmateappv2
6ee37b18d2f490e5fa36ee801df687a9fd4d16e74f2cbc1e17c0ed135ee62276
lioneljones@MackBookAirM1 ~ %
```

To run the image

docker run --name checkmateappv2-container -p 3000:3000 -p 5500:5500 -d checkmateappv2



And it works

localhost:3000/#/SearchPharma

ieck Mate Home Medical Office Locations Physicians Records Managers Reps Receipts Reports Administration REDUX AUTH TEST

Search Pharmaceutical Companies

Enter Search Criteria

All

Email

Enter Email

Name

Name

Search Records

Search Results

_id	Name	Phone	Email	Edit	Delete
63549190fe74bf00a27dcfa5	Memorial Health	713-654-0987	mmhealth@gmail.com		
6354a04dd5e97ead84326278	Herman Hospital System	713-876-0987	corsonmemorial@gmail.com		

10 Showing rows 1 to 2 of 2

1

To run your image

```
docker run --name checkmateappv2-container -p 3000:3000 -p 5500:5500 -d checkmateappv2
```

```
docker inspect checkmateappv2-container
```

To grab the id only

```
docker inspect --format="{{.Id}}" checkmateappv2-container
```

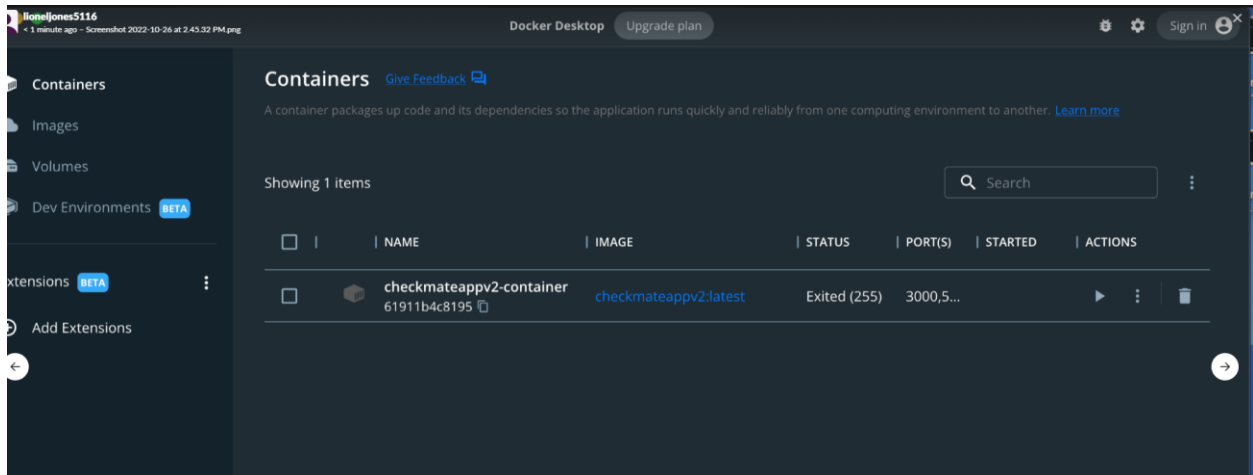
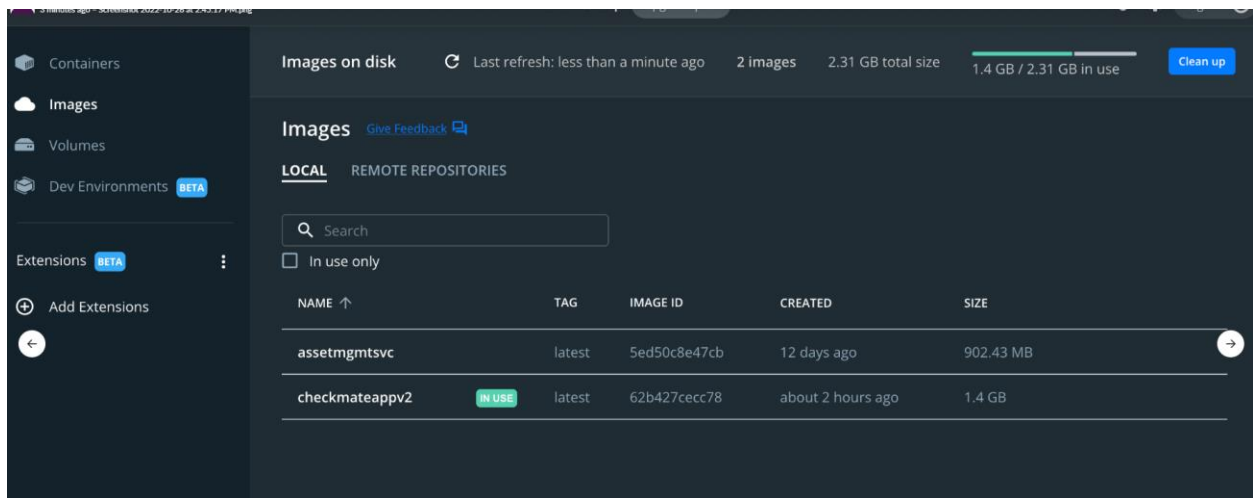
But I get an error (need to research this)

To remove your image

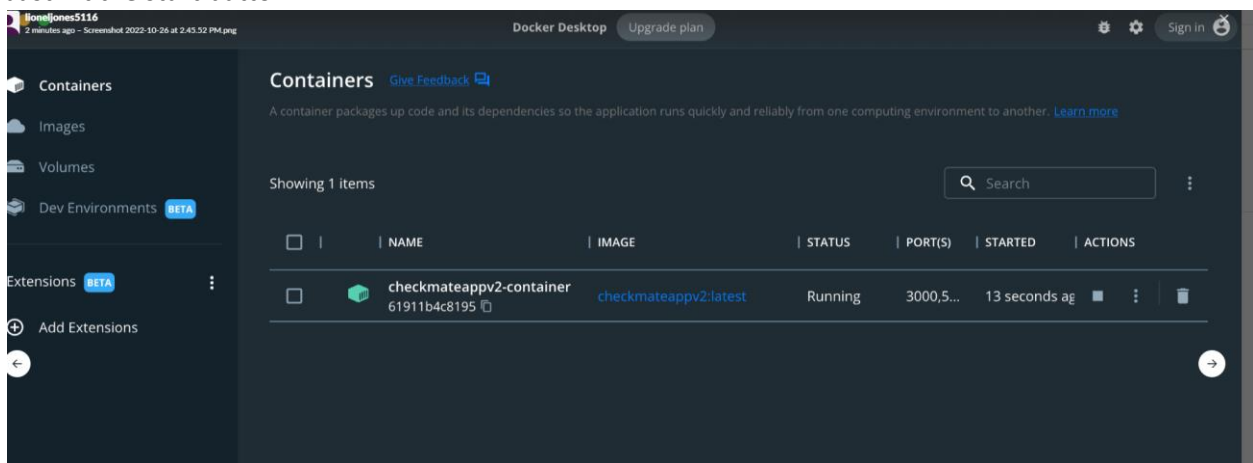
```
docker rm 6ee37b18d2f490e5fa36ee801df687a9fd4d16e74f2cbc1e17c0ed135ee62276
```

Below is the end user process

If you already have a container that your ran. Then you stopped and restarted your machine. The container maintains it's id and configuration. You will see it below



Just hit the start button



And as you can see below, it still has it's settings

```
lioneljones -- zsh -- 169x27
assetmgmtsvc latest 5ed50c8e47cb 12 days ago 902MB
lioneljones@MackBookAirM1 ~ % cls
zsh: command not found: cls
lioneljones@MackBookAirM1 ~ % clear

lioneljones@MackBookAirM1 ~ % docker container ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
lioneljones@MackBookAirM1 ~ % docker container ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
61911b4c8195  checkmateappv2  "npm run dev"  28 minutes ago  Up 21 seconds  0.0.0.0:3000->3000/tcp, 0.0.0.0:5500->5500/tcp  checkmateappv2-container
lioneljones@MackBookAirM1 ~ %
```

Tip: Using Google Meet for meetings

Google meet rocks.. it's free and much easier to use than teams, and it's completely free

<https://play.google.com/store/apps/details?id=co...>

Google Meet (original) - Apps on Google Play

Securely connect, collaborate, and celebrate from anywhere. With **Google Meet**, everyone can safely create and join high-quality video meetings for groups of ...

★★★★★ Rating: 4.1 · 2,207,524 votes · Free · Android · Business/Productivity

Videos



How to Use Google Meet - Detailed Tutorial

YouTube · Teacher's Tech

Mar 24, 2020

10 key moments in this video

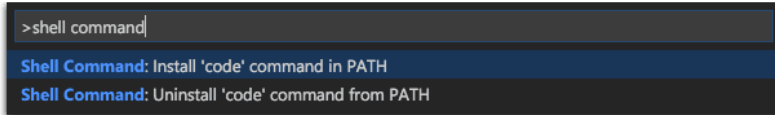
Tip: Running VSCode from command in terminal on mac m1

<https://code.visualstudio.com/docs/setup/mac#:~:text=You%20can%20also%20run%20VS,code'%20command%20in%20PATH%20command.>

Launching from the command line

You can also run VS Code from the terminal by typing 'code' after adding it to the path:

- Launch VS Code.
- Open the **Command Palette** (`cmd+Shift+P`) and type 'shell command' to find the **Shell Command: Install 'code' command in PATH** command.



- Restart the terminal for the new `$PATH` value to take effect. You'll be able to type 'code .' in any folder to start editing files in that folder.

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Tip: Comparing both versions of CheckMate

CheckMateV2 is my favorite:

Pros: It's a smaller bundle (it does not use more webpack (ver 5), it builds 200% faster

When you make changes, it reloads faster.

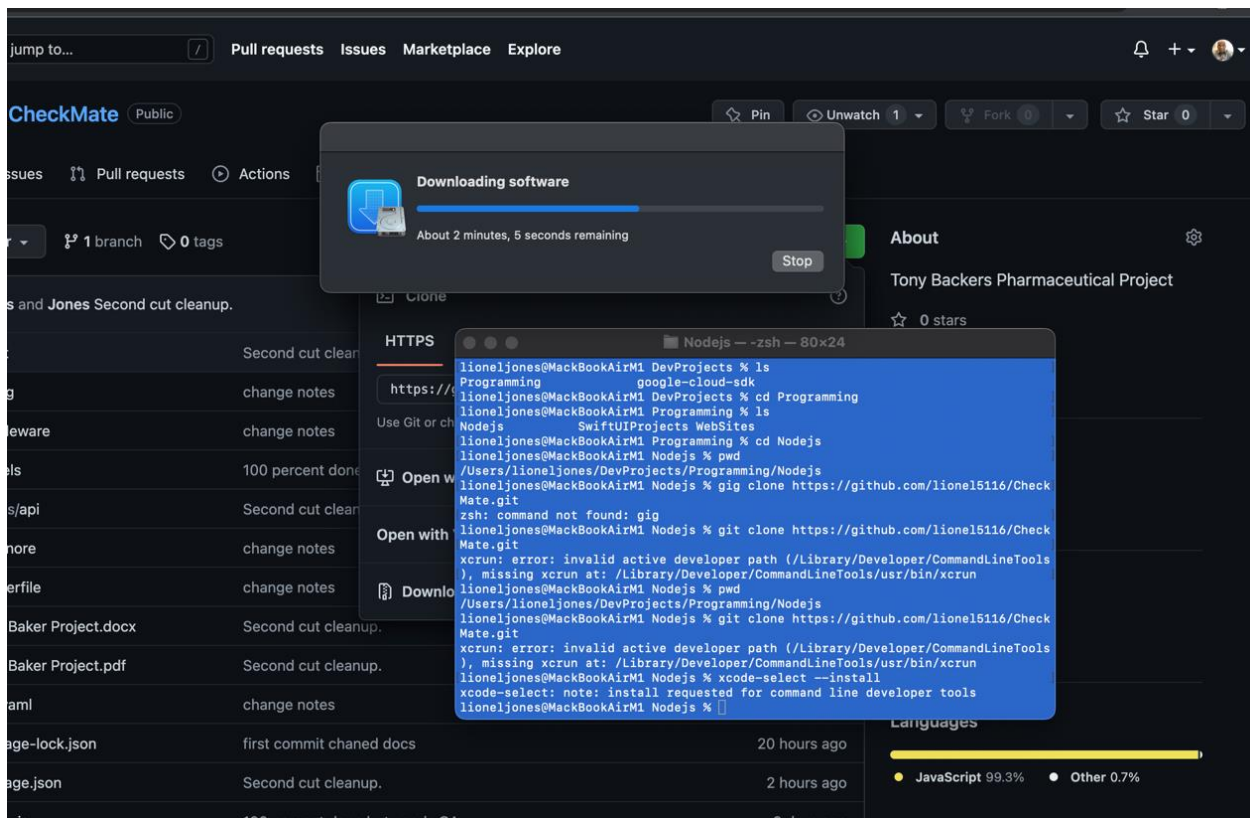
It does crash when you deploy to Heroku

Cons:

It has a huge set of warnings with bootstrapblanex (but it still works tho)

Tip: Fixing Macbook deploy issues

For the error below when trying to clone the repo



I had to run the command to update my xcode tools
xcode-select --install

This is common everywhere

```
Screenshot 2022-10-25 at 4.06:58 PM.png
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GITLENS JUPYTER

lioneljones@MackBookAirM1 client % npm install
npm ERR! code ERESOLVE
npm ERR! ERESOLVE could not resolve
npm ERR!
npm ERR! While resolving: babel-loader@7.1.5
npm ERR! Found: webpack@5.39.1
npm ERR! node_modules/webpack
npm ERR!   dev webpack@"^5.39.1" from the root project
npm ERR!   peer webpack@"4.x.x || 5.x.x" from @webpack-cli/configtest@1.0.4
npm ERR!     node_modules/@webpack-cli/configtest
npm ERR!       @webpack-cli/configtest@"^1.0.4" from webpack-cli@4.7.2
npm ERR!         node_modules/webpack-cli
npm ERR!       dev webpack-cli@"^4.7.2" from the root project
npm ERR!       3 more (@webpack-cli/configtest, @webpack-cli/info, @webpack-cli/serve)
npm ERR!       6 more (css-loader, dotenv-webpack, terser-webpack-plugin, ...)
npm ERR! Could not resolve dependency:
npm ERR! peer webpack@"2 || 3 || 4" from babel-loader@7.1.5
npm ERR!   node_modules/babel-loader
npm ERR!     dev babel-loader@"^7.1.5" from the root project
npm ERR! Conflicting peer dependency: webpack@4.46.0
npm ERR!   node_modules/webpack
npm ERR!     peer webpack@"2 || 3 || 4" from babel-loader@7.1.5
npm ERR!       node_modules/babel-loader
npm ERR!         dev babel-loader@"^7.1.5" from the root project
npm ERR! Fix the upstream dependency conflict, or retry
npm ERR! this command with --force, or --legacy-peer-deps
npm ERR! to accept an incorrect (and potentially broken) dependency resolution.
npm ERR! See /Users/lioneljones/.npm/eresolve-report.txt for a full report.

npm ERR! A complete log of this run can be found in:
npm ERR! /Users/lioneljones/.npm/_logs/2022-10-25T21_06_16_047Z-debug-0.log
lioneljones@MackBookAirM1 client %
```

see the message

`npm install --force`

I have to use this everywhere, even in my deploy scripts for Heroku

Tip: Fixing this error: - options.allowedHosts[0] should be a non-empty string

While doing npm run start, I was getting ERRORS , no matter what I did. The way I fixed it was to remove the proxy entry from the package.json file


```
49     not op_mini all
50   ],
51   "development": [
52     "last 1 chrome version",
53     "last 1 firefox version",
54     "last 1 safari version"
55   ]
56 }
57
58
```

I am not use a proxy anymore anyway.

I decided to create another version of the app without webpack – causing too many issues

<https://reactjs.org/docs/create-a-new-react-app.html>

<https://react-bootstrap.github.io/getting-started/introduction/>

npm install react-bootstrap bootstrap

In Index.js

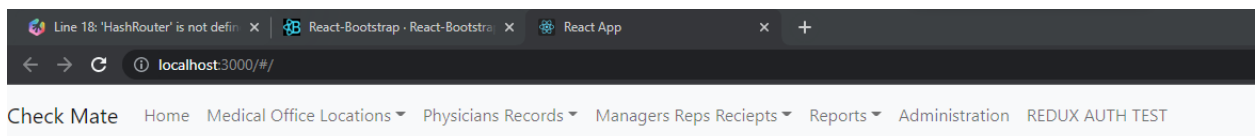
```
index.js - checkmatev2 - Visual Studio Code
index.js M x  NavbarMain.js U  App.js M
src > index.js > ...
You, 1 second ago | 2 authors (p00149021@houstonisd.org Mag17615@7 and others)
1 import 'bootstrap/dist/css/bootstrap.min.css';
2 import 'bootstrap/dist/js/bootstrap.bundle.min';
3 import React from 'react';
4 import ReactDOM from 'react-dom/client';
5 import './index.css';
6 import App from './App';
7 import reportWebVitals from './reportWebVitals';
8
9 const root = ReactDOM.createRoot(document.getElementById('root'));
10 root.render(
11   <React.StrictMode>
12     <App />
13   </React.StrictMode>
14 );
15
16 // If you want to start measuring performance in your app, pass a function
17 // to log results (for example: reportWebVitals(console.log))
18 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
19 reportWebVitals();
20
```

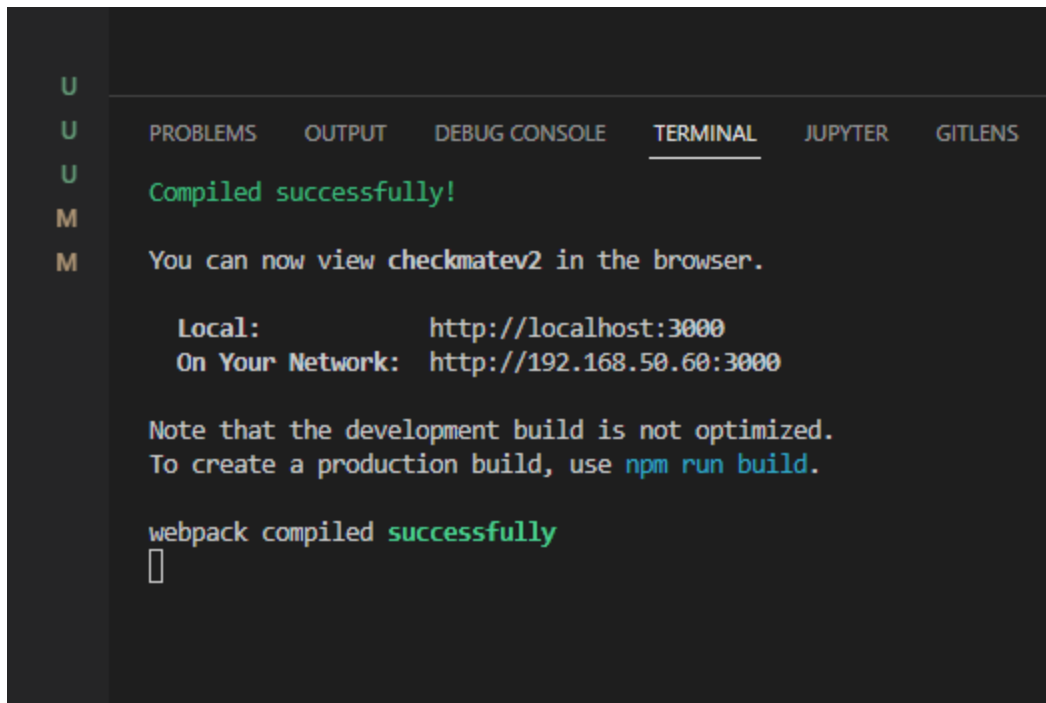
And so far, no warnings

```
npm install react-router-dom --save
```

```
npm install react-router-dom@5.2.0 react-router@5.2.0
```

And this is all we need to do to get the initial bootstrap to work





The image shows a screenshot of the Visual Studio Code (VS Code) interface. On the left, there is a sidebar with a file explorer showing a directory structure with files named 'U', 'U', 'U', 'M', and 'M'. The main area of the editor displays the 'TERMINAL' tab, which contains the following text:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  JUPYTER  GITLENS

Compiled successfully!

You can now view checkmatev2 in the browser.

Local:      http://localhost:3000
On Your Network: http://192.168.50.60:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
█
```

npm i axios

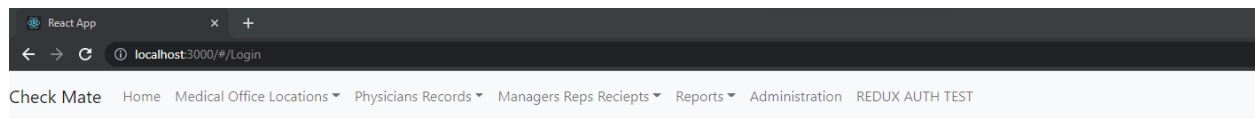
npm i redux-devtools-extension

Install all of this for REDUX

npm i react-router-dom redux react-redux redux-thunk moment react-moment

And after adding REDUX, it still builds fast

I have the base code:



CheckMate Login Screen

Enter your Login Credentials

Email address

Password

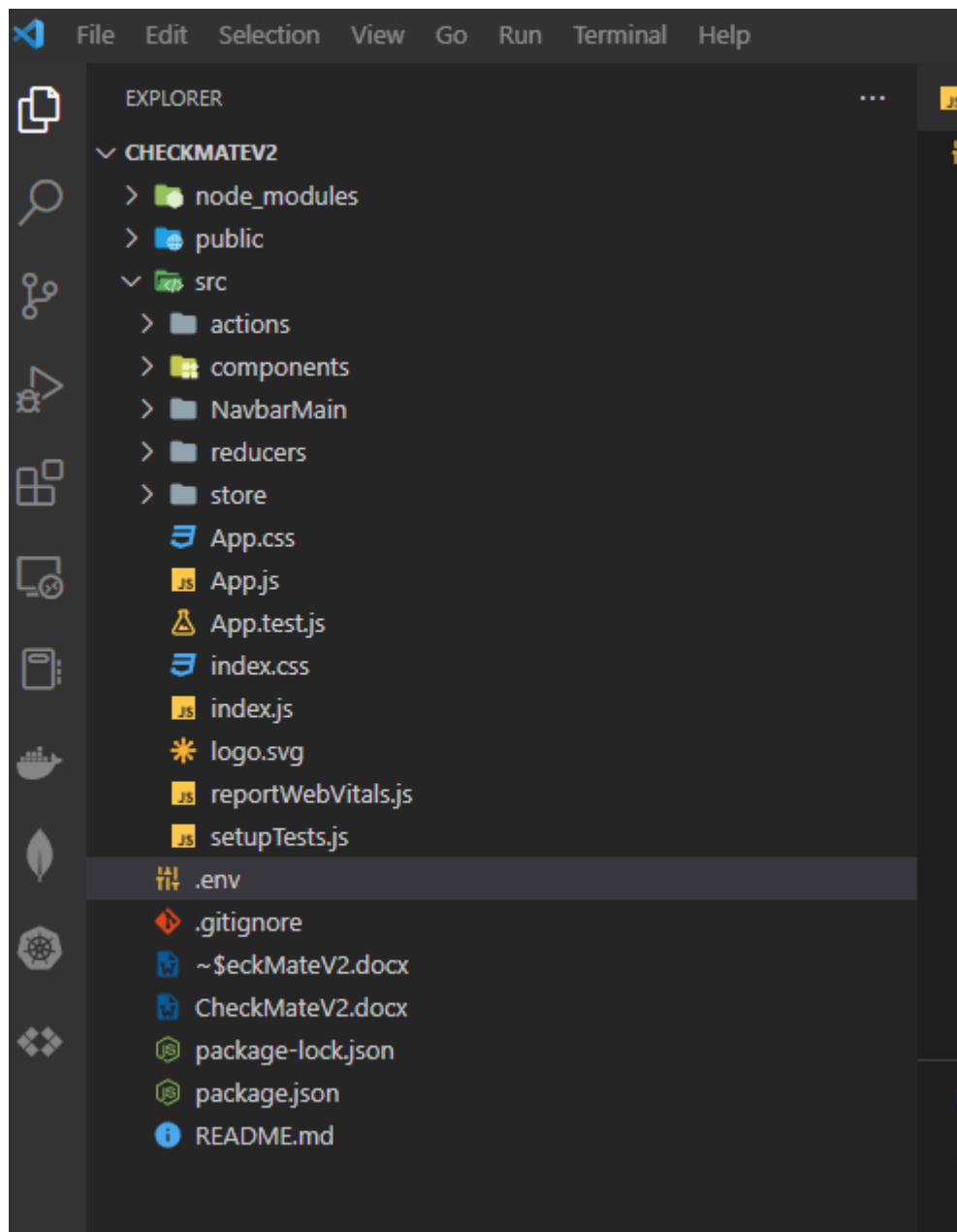
[Sign In](#)

[Don't have an account](#) [Sign Up](#)

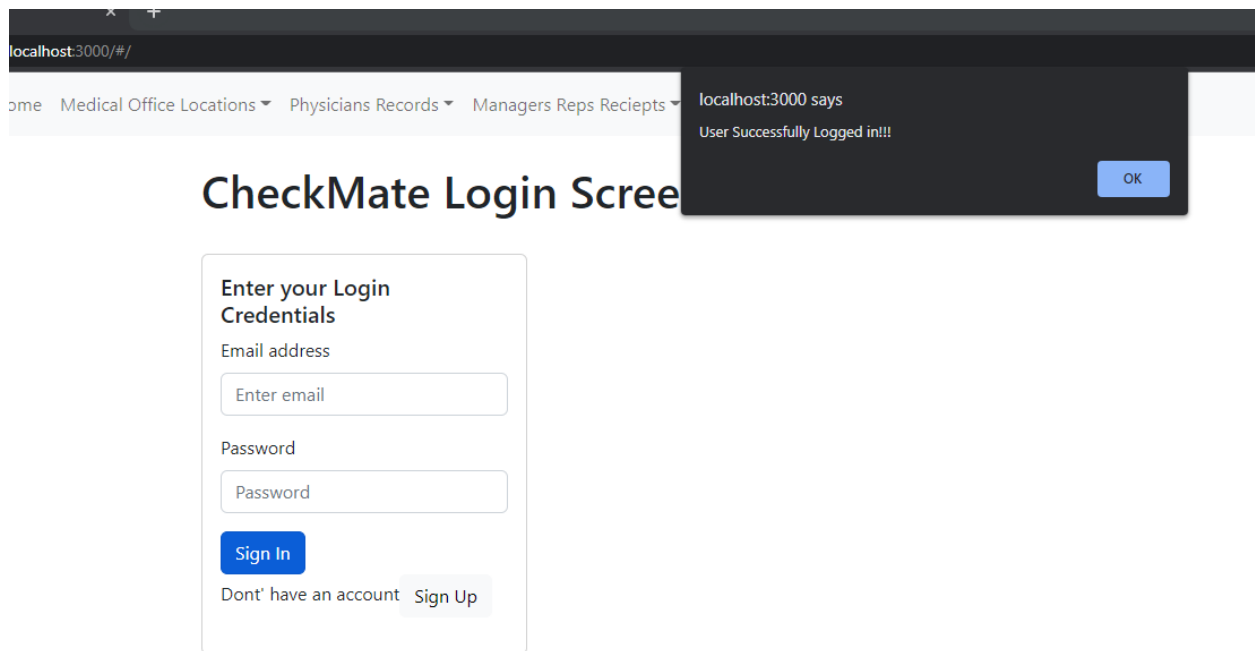
And its lightning fast

To allow for environment variables
npm i env-cmd

Make sure you put it at the root



So the login screen and register screen is finished



For the bootstrap tables, I had to use the `--force` with it

```
10     "bootstrap": "^5.2.2",
11     "env-cmd": "^10.1.0",
12     "moment": "^2.29.4",
13     "react": "^18.2.0",
14     "react-bootstrap": "^2.5.0",
15     "react-bootstrap-table-next": "^4.0.3",
16     "react-bootstrap-table2-filter": "^1.3.3",
17     "react-bootstrap-table2-paginator": "^2.1.2",
18     "react-bootstrap-table2-toolkit": "^2.1.3",
19     "react-dom": "^18.2.0",
20     "react-moment": "^1.1.2",
```

i.e `npm install react-bootstrap-table2-toolkit --force`
`npm i uuid`

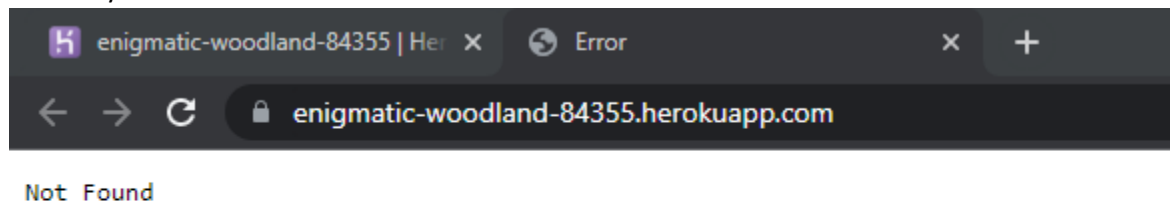
It built and I placed it out on Heroku

```
23     "mongoose": "^6.4.6",
24     "mongoose-unique-validator": "^3.1.0",
25     "request": "^2.88.2"
26   },
27   "devDependencies": {
28     "concurrently": "^7.5.0",
29     "nodemon": "^2.0.20"
30   }
31 }
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** JUPYTER GITLENS

```
remote:      found 0 vulnerabilities
remote:
remote: -----> Build succeeded!
remote: -----> Discovering process types
remote:      Procfile declares types      -> (none)
remote:      Default types for buildpack -> web
remote:
remote: -----> Compressing...
remote:      Done: 102.8M
remote: -----> Launching...
remote:      Released v3
remote:      https://enigmatic-woodland-84355.herokuapp.com/ deployed to Heroku
remote:
remote: Starting November 28th, 2022, free Heroku Dynos, free Heroku Postgres, and free Heroku Data for Redis® will no longer be available.
remote: If you have apps using any of these resources, you must upgrade to paid plans by this date to ensure your apps continue to run.
remote: Learn more at https://blog.heroku.com/next-chapter
remote:
remote: Verifying deploy... done.
remote: To https://git.heroku.com/enigmatic-woodland-84355.git
remote: * [new branch]      master -> master
PS C:\DevProjects\Programming\Nodejs\checkmatev2>
```

But it says not found:



How long it takes me to copy over a screen:

Starting one at 8:20 – 8:24 (Took four minutes)

Finished all other screens at 8:40 – lightning fast