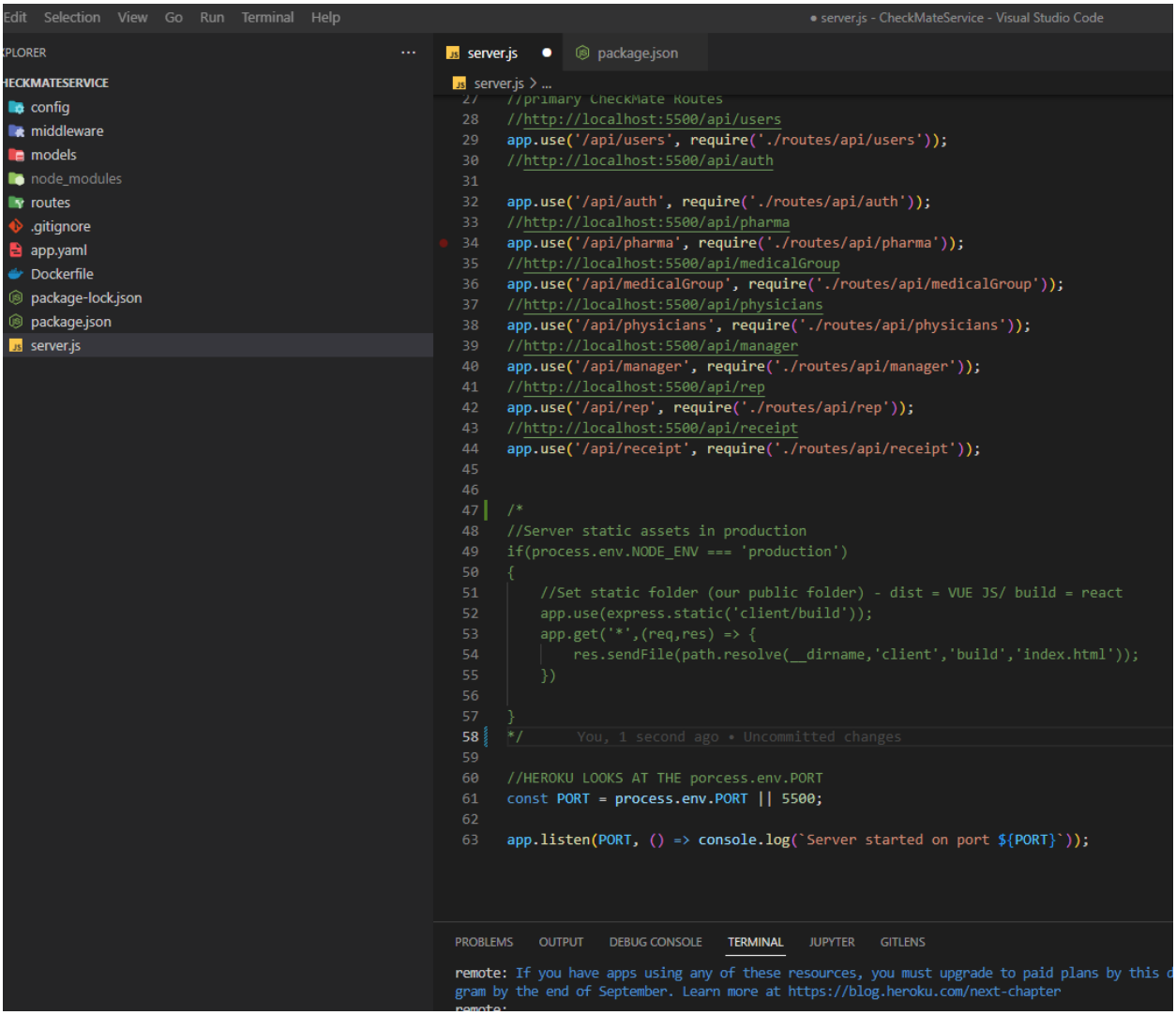
CheckMate V2

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: Deploying to Heroku (Got it to work)
Tip: Splitting out the webservice to Heroku

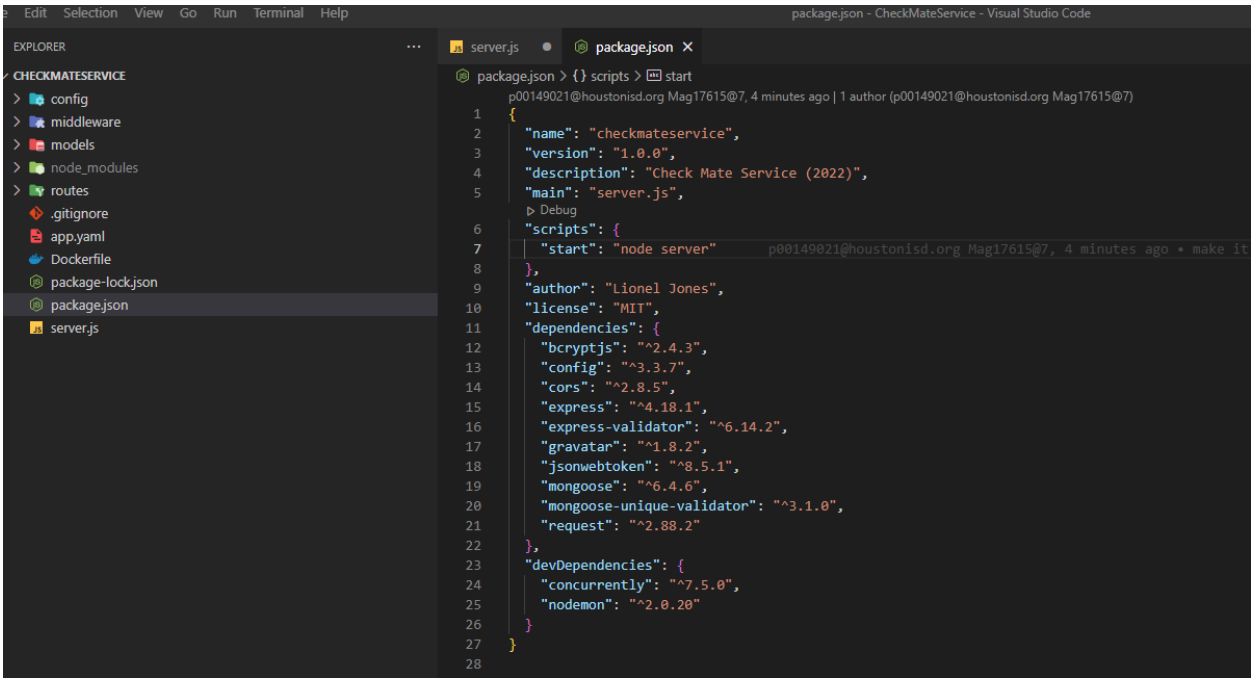
https://shrouded-gorge-59241.herokuapp.com/#/

Tip: Splitting out the webservice to Heroku
Web service URL
https://pure-gorge-49930.herokuapp.com/

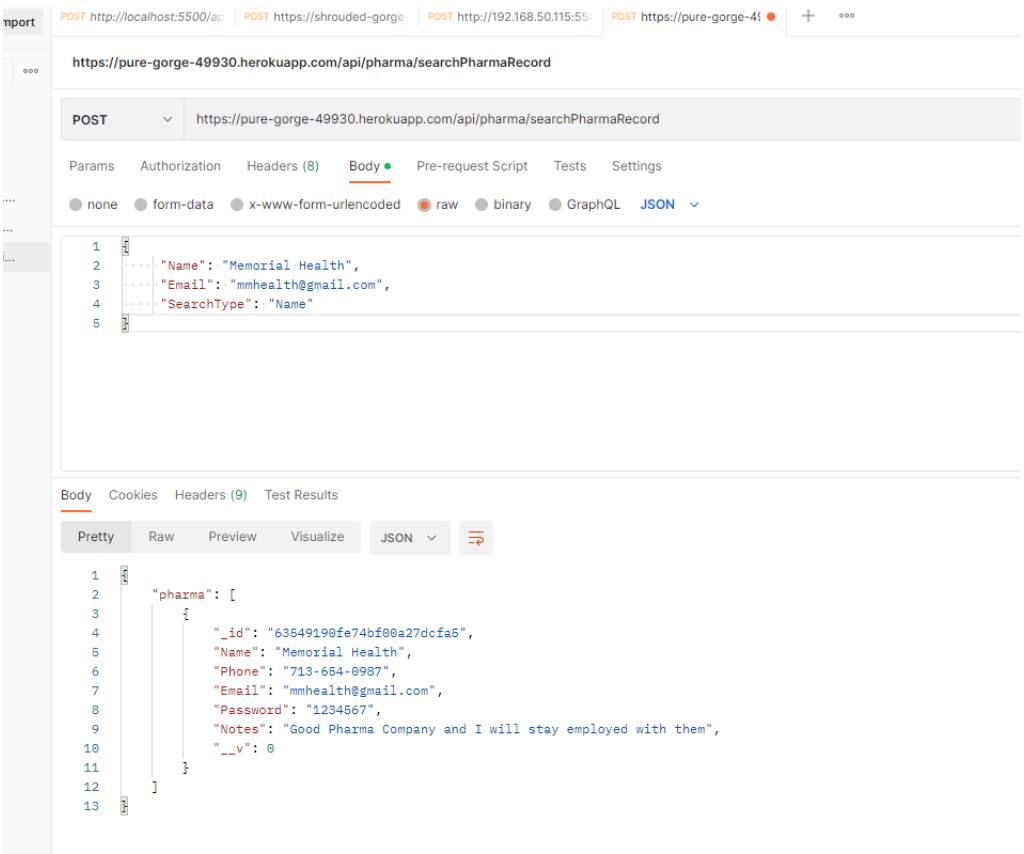
Modify your server.js

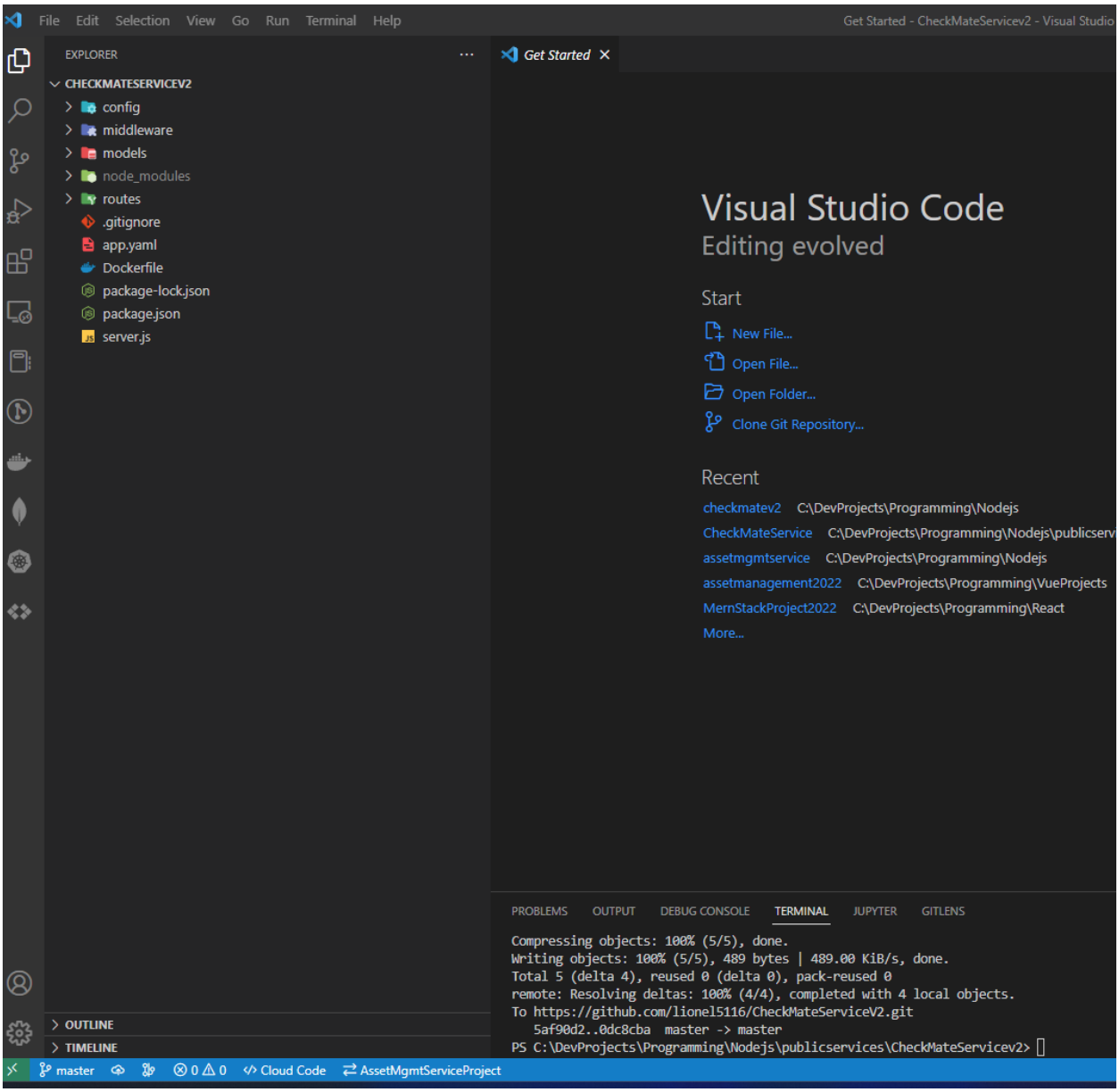


And your package.json

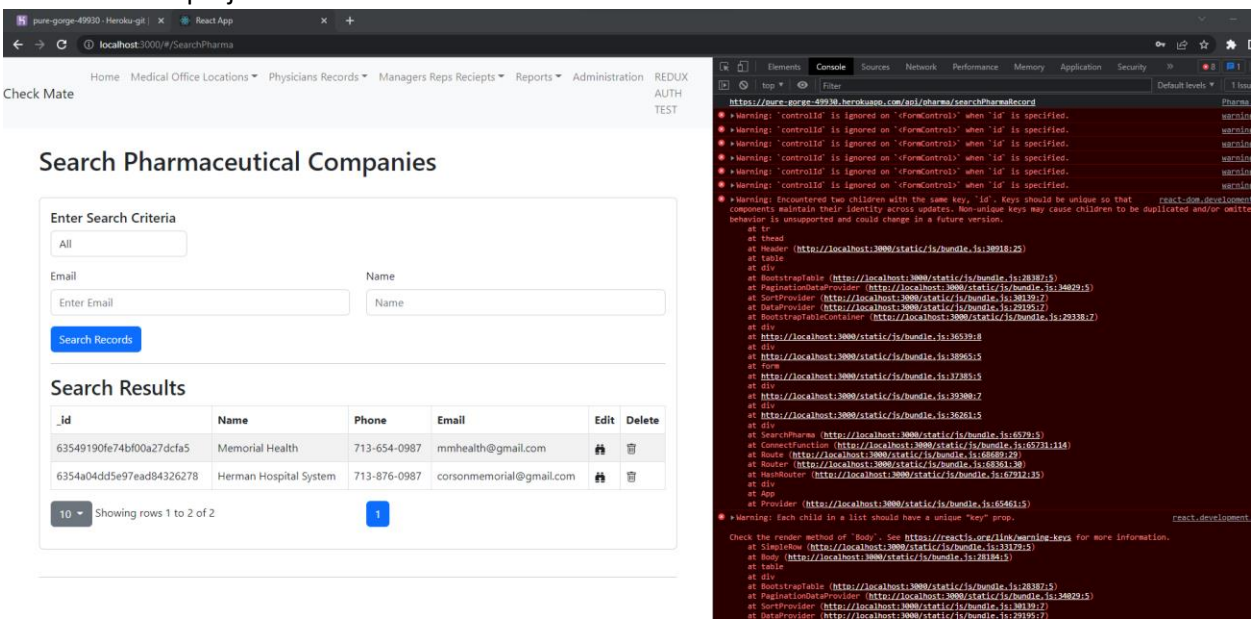


https://pure-gorge-49930.herokuapp.com/api/pharma/searchPharmaRecord

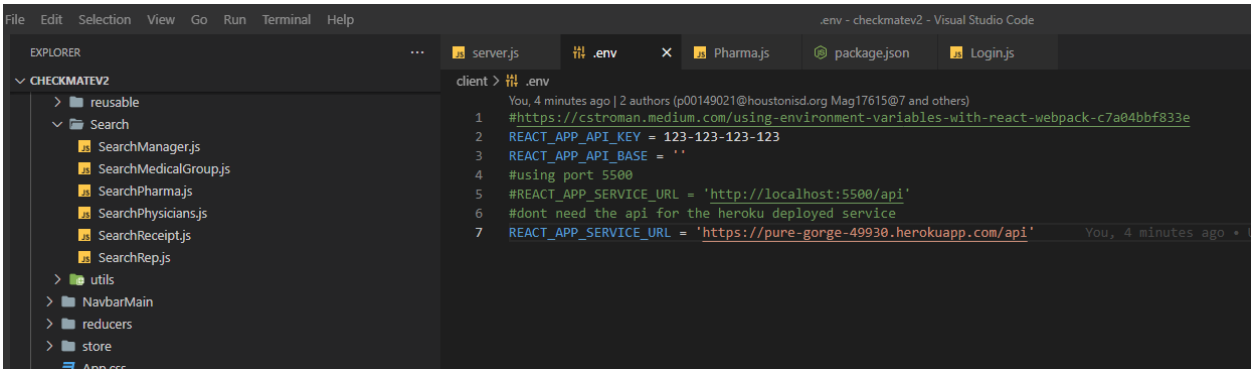



File Edit Selection View Go Run Terminal Help
Get Started - CheckMateServicev2 - Visual Studio
EXPLORER
CHECKMATESERVICEV2
config
middleware
models
node_modules
routes
.gitignore
app.yaml
Dockerfile
package-lock.json
package.json
server.js
Get Started
Visual Studio Code
Editing evolved
Start
New File...
Open File...
Open Folder...
Clone Git Repository...
Recent
checkmatev2 C:\DevProjects\Programming\Nodejs
CheckMateService C:\DevProjects\Programming\Nodejs\publicserv
assetmgmtservice C:\DevProjects\Programming\Nodejs
assetmanagement2022 C:\DevProjects\Programming\VueProjects
MernStackProject2022 C:\DevProjects\Programming\React
More...
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER GITLENS
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 489 bytes | 489.00 KiB/s, done.
Total 5 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/lionel5116/CheckMateServiceV2.git
5af90d2..0dc8cba master -> master
PS C:\DevProjects\Programming\Nodejs\publicservices\CheckMateServicev2>
OUTLINE
TIMELINE
master
0 0
Cloud Code
AssetMgmtServiceProject

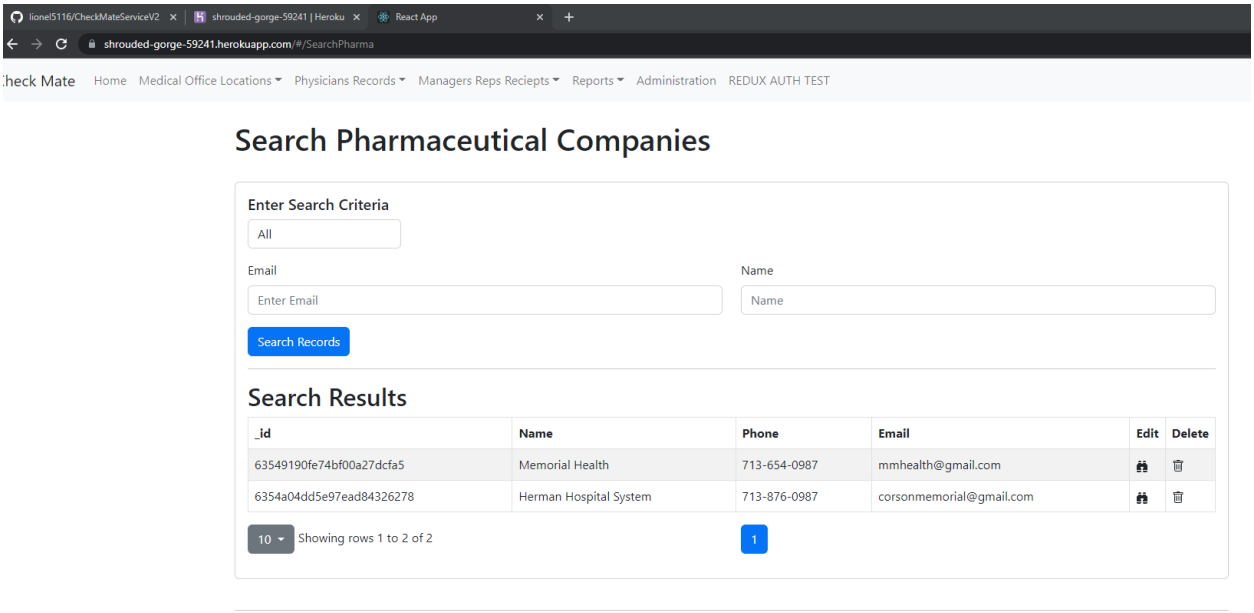
Placed it in the project and it works



Changed url to point to the service on Heroku

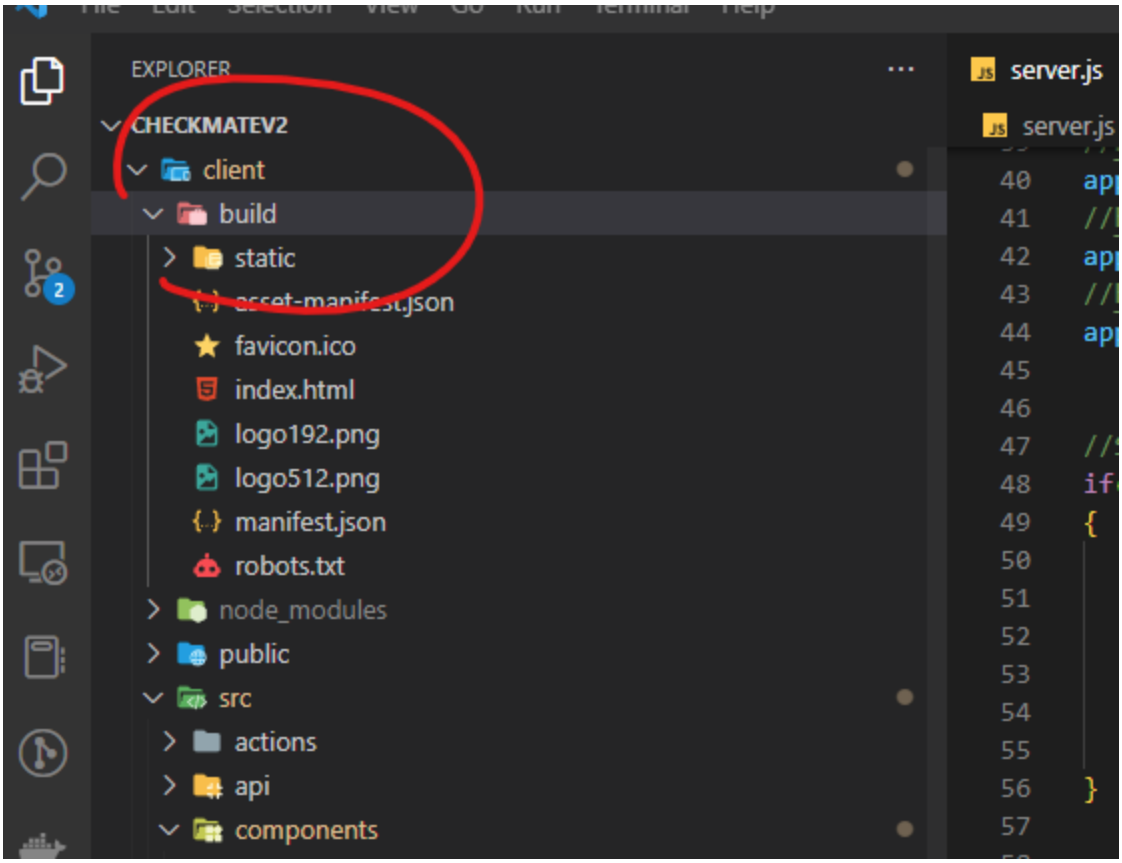


And it works!!!!



Tip: Deploying to Heroku (Got it to work)

Deploying to Heroku is super easy!!!
Most important step, do a build first to see where what your build location is:
npm run build



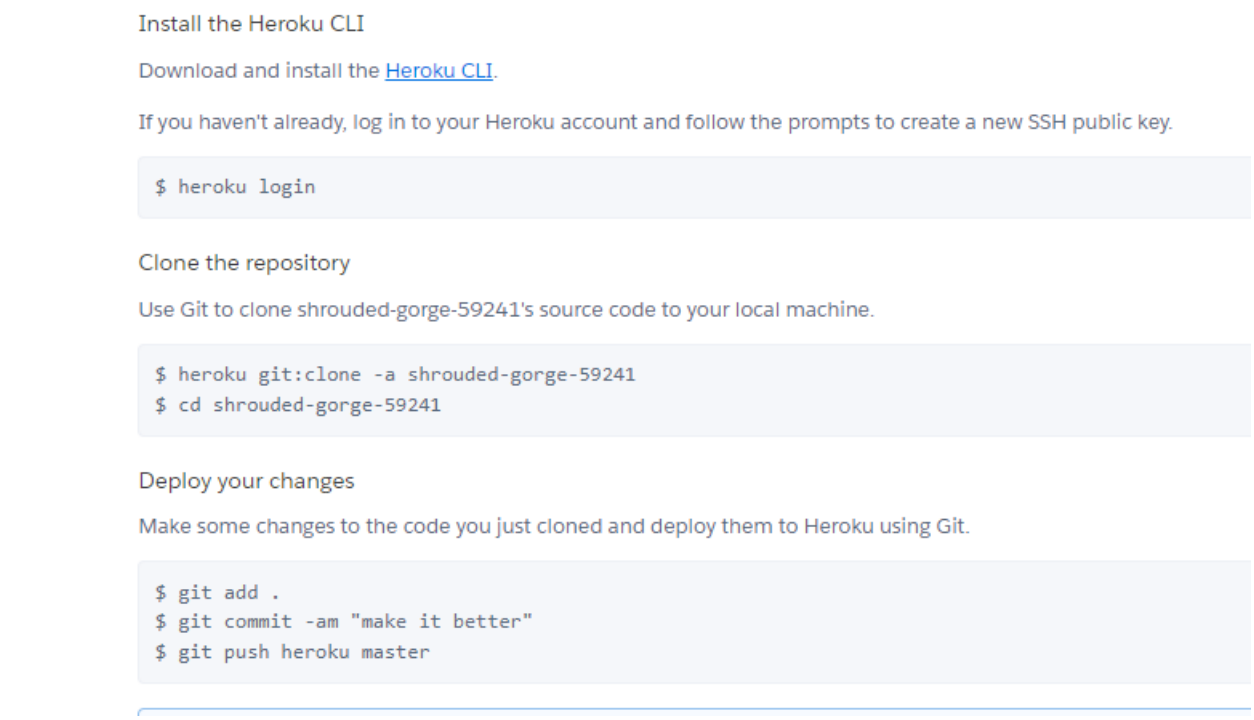
This determines lines 48 and 51 below
I made this mistake before, the /dist folder is when you are building a VUEJS app, like my assetmgmt2022 **creates VERY IMPORTANT !!!!!!!**

```
40  app.use('/api/manager', require('./routes/api/manager'));
41  //http://localhost:5500/api/rep
42  app.use('/api/rep', require('./routes/api/rep'));
43  //http://localhost:5500/api/receipt
44  app.use('/api/receipt', require('./routes/api/receipt'));
45
46
47  //Server static assets in production
48  if(process.env.NODE_ENV === 'production')
49  {
50      //Set static folder (our public folder) - dist = VUE JS/ build = react
51      app.use(express.static('client/build'));
52      app.get('*',(req,res) => {
53          res.sendFile(path.resolve(__dirname,'client','build','index.html'));
54      })
55
56  }
57
58
59  //HEROKU LOOKS AT THE porcess.env.PORT
```

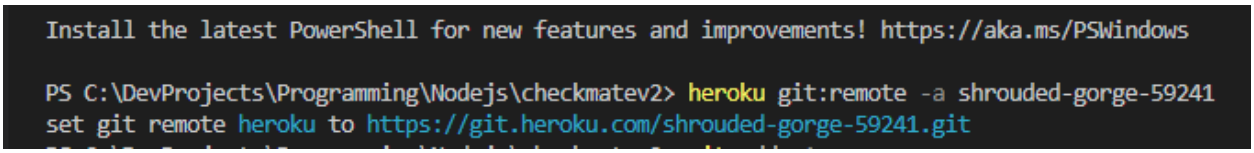
Next you do:
Heroku login

Heroku create

It creates a repo
Go to deploy on the dashboard



Follow the instructions, do a
heroku git:remote -a shrouded-gorge-59241

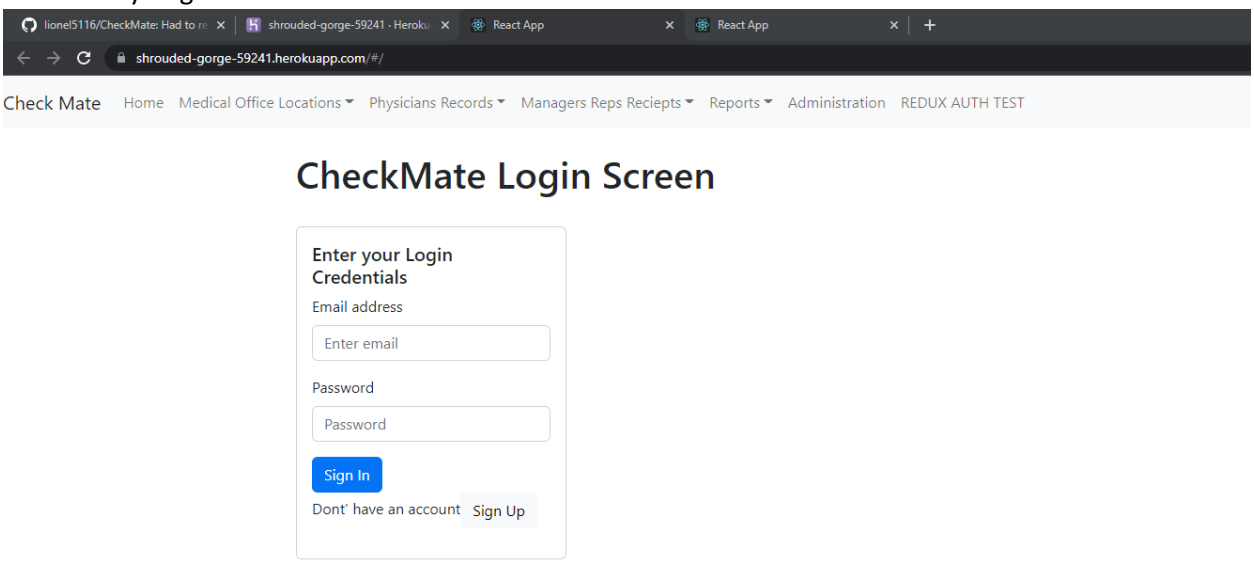


Then do a
git add .

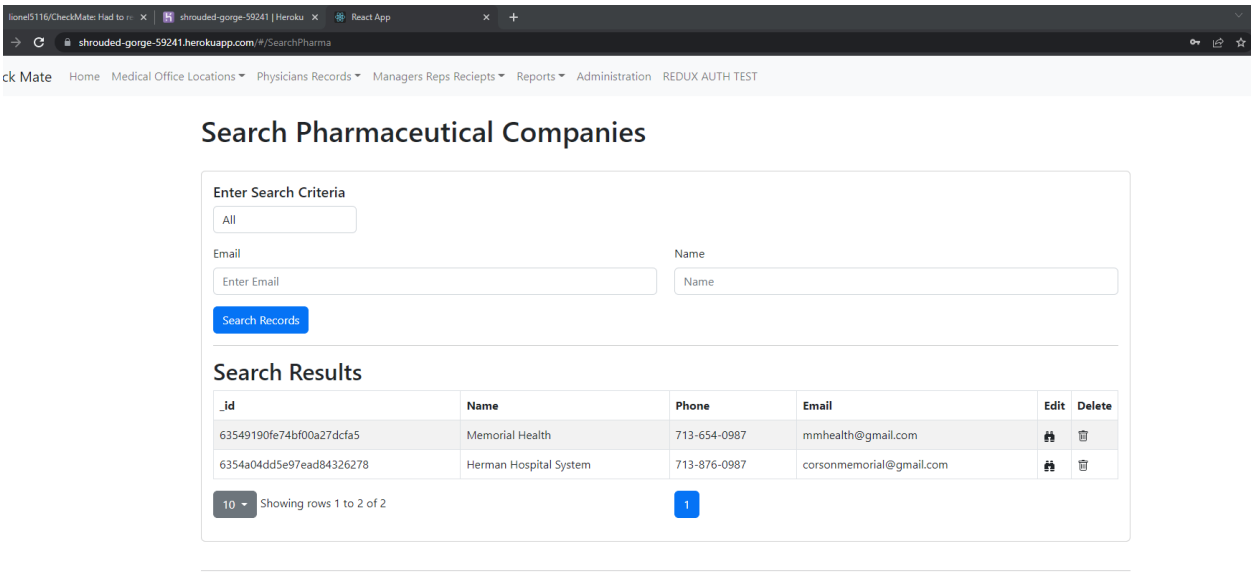
git commit -am "make it better"

git push heroku master

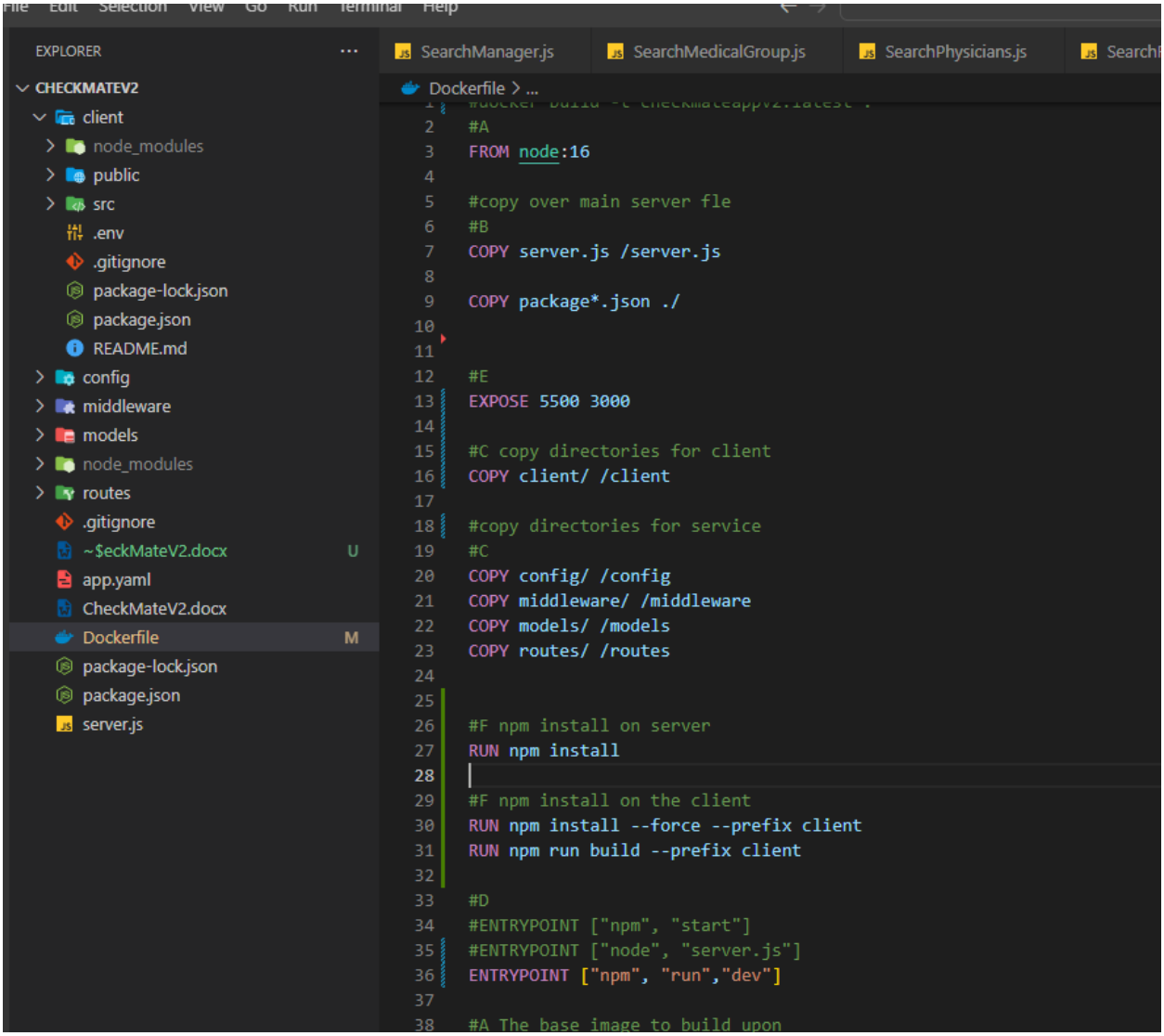
And there you go



https://shrouded-gorge-59241.herokuapp.com/#/
Ahd it WORKS!!!!!
It took time for the service to start (I hit the endpoint to quick)



Tip: Getting the solution run in a docker container



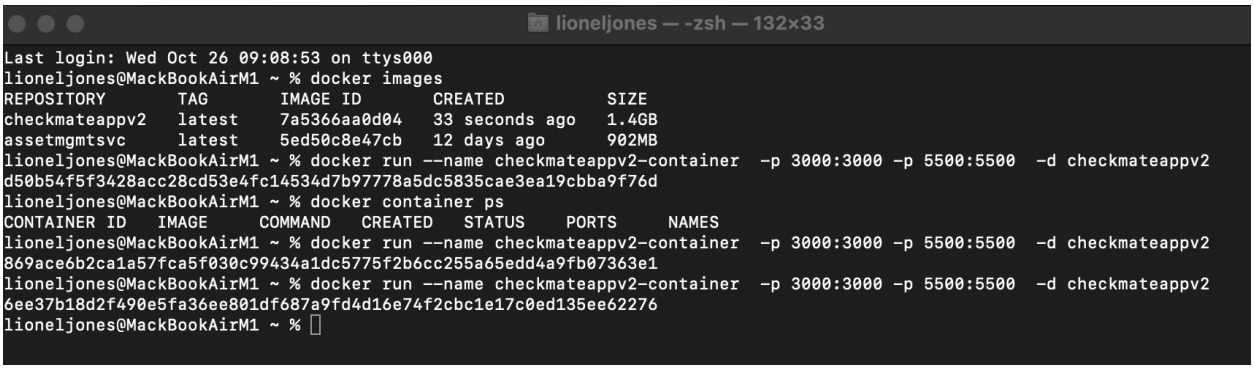
Notice line 13, this is how you expose both ports
3000 is for the client app
5500 is for the NodeJS app

Line 16 is copying the client folder's contents

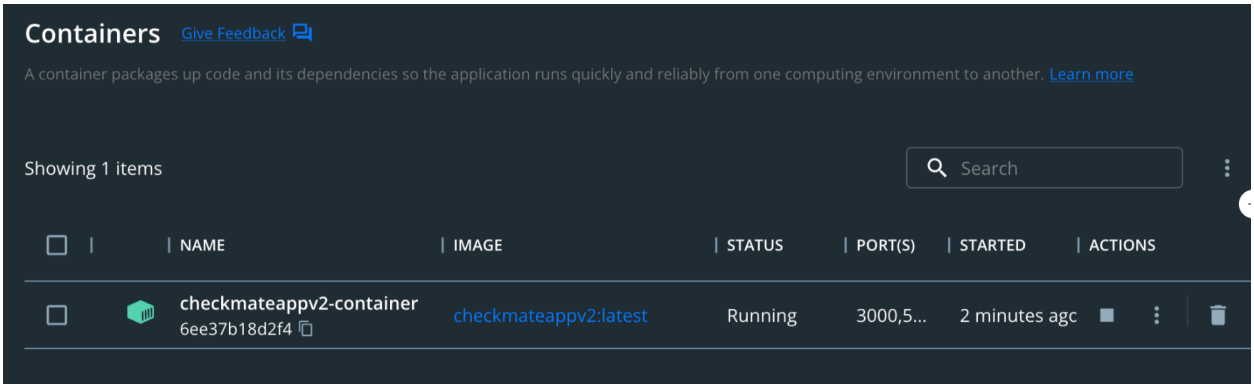
line 30 ad 31 runs the install and build of the react app

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

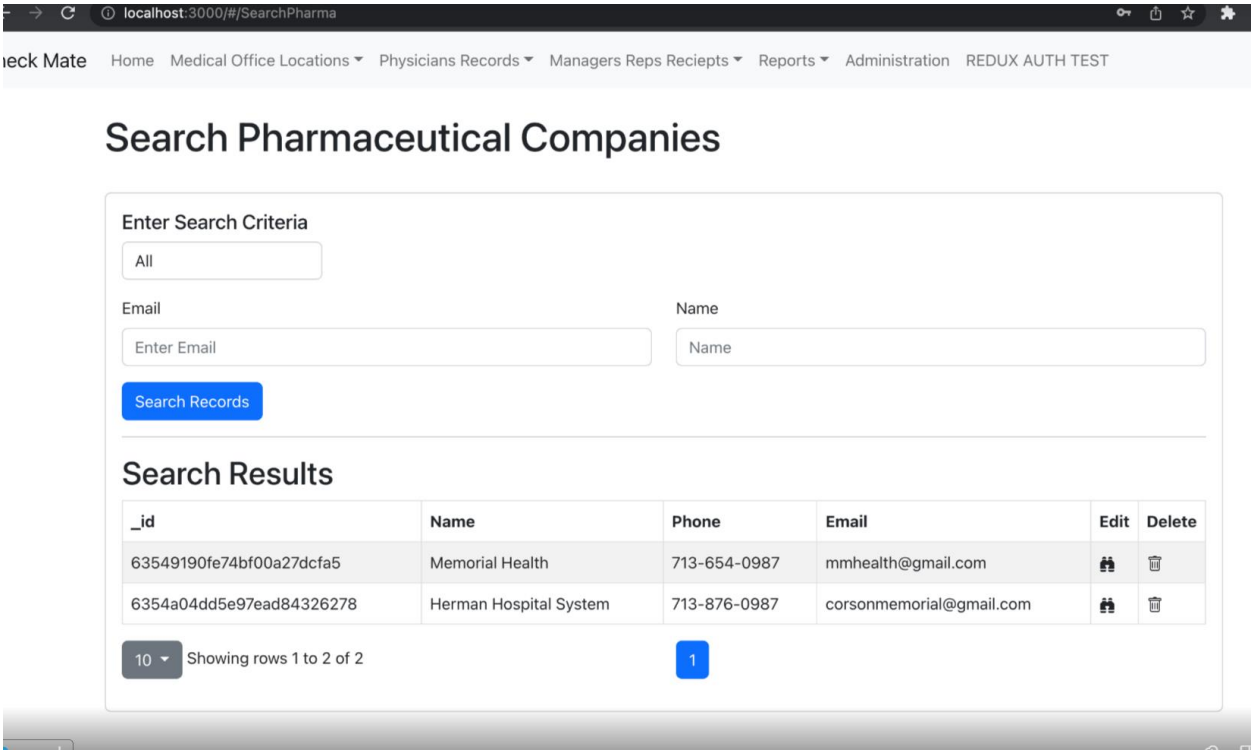
To run the image



To run the image
docker run --name checkmateappv2-container -p 3000:3000 -p 5500:5500 -d checkmateappv2



And it works



To run your image

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

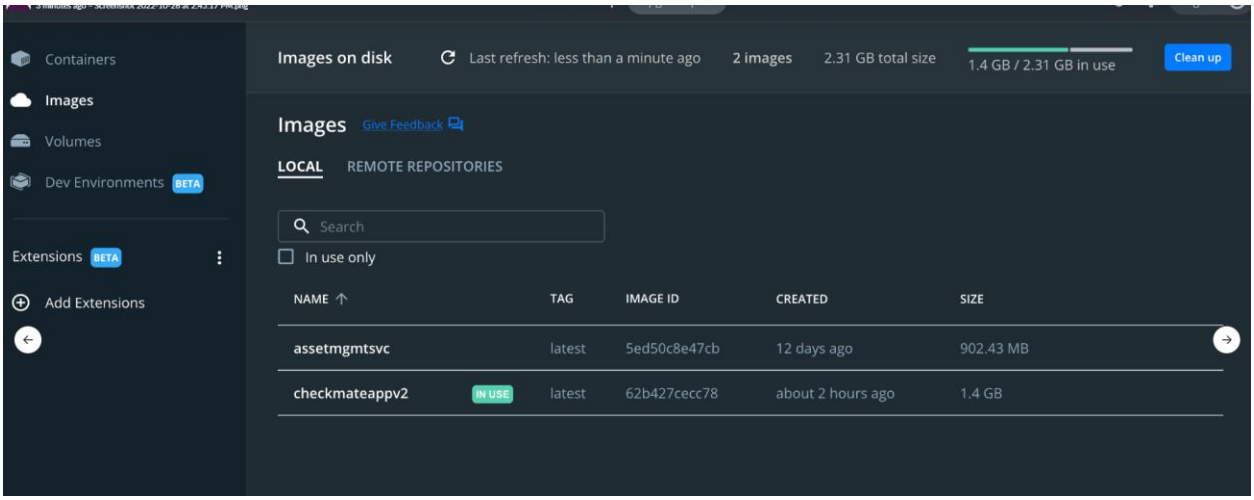
docker inspect checkmateappv2-container

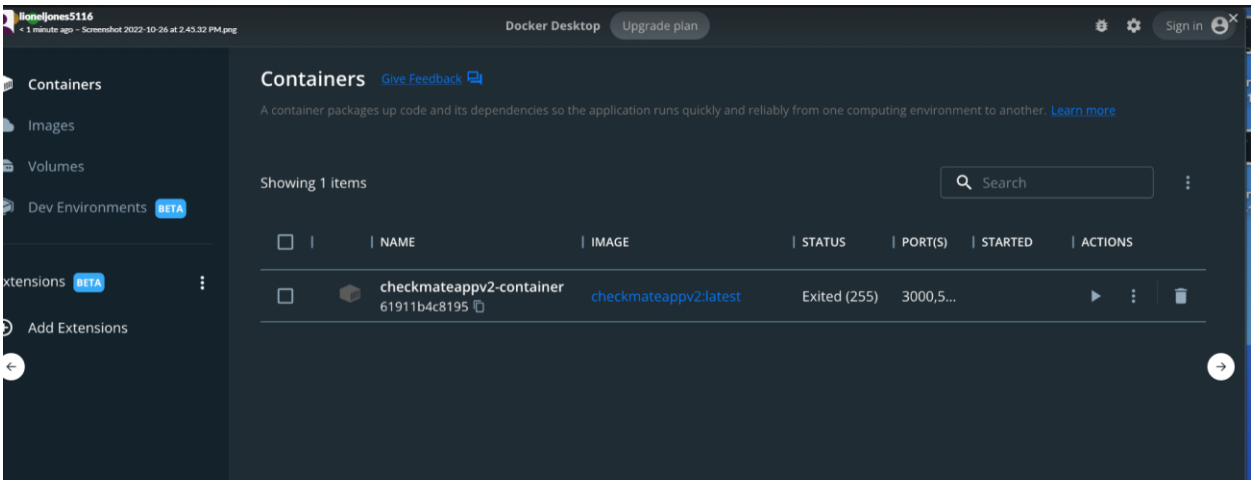
To grab the id only
docker inspect --format =“{{.Id}}” checkmateappv2-container

But I get an error (need to research this)

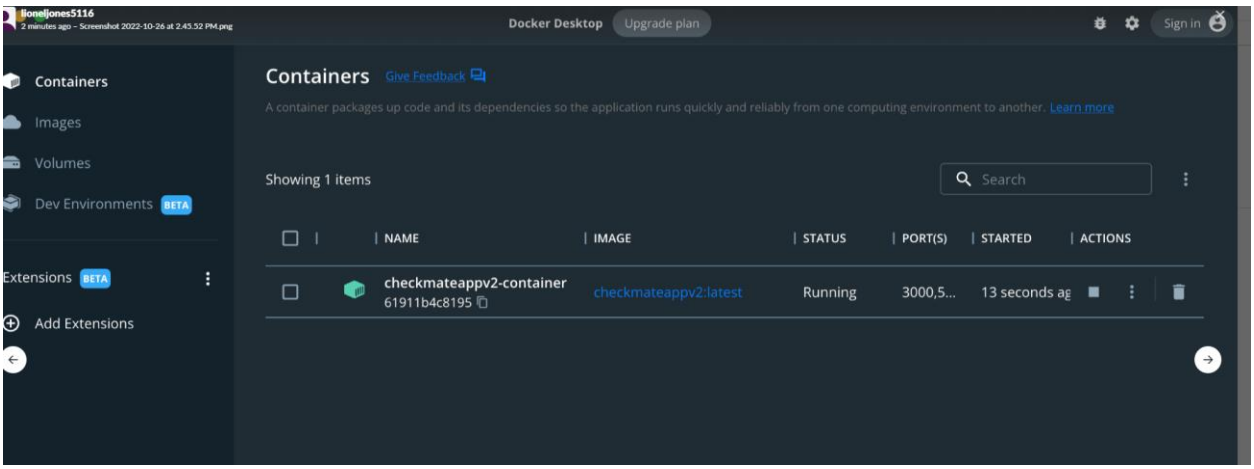
To remove your image
docker rm 6ee37b18d2f490e5fa36ee801df687a9fd4d16e74f2cbc1e17c0ed135ee62276

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

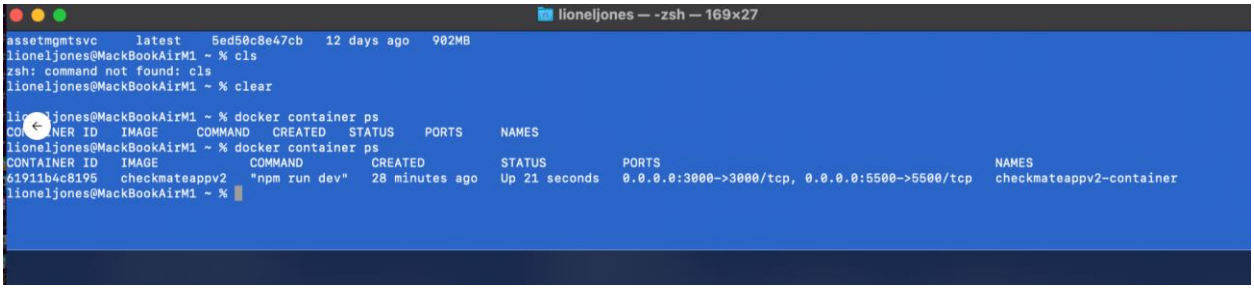




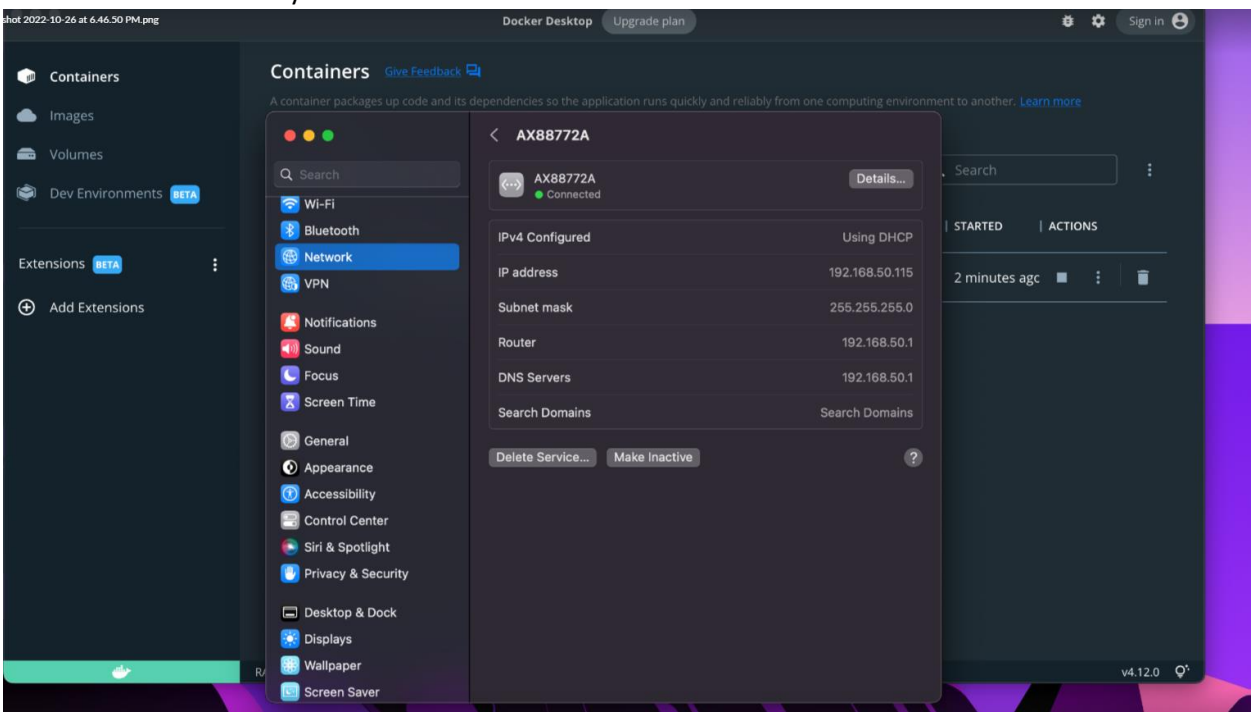
Just hit the start button

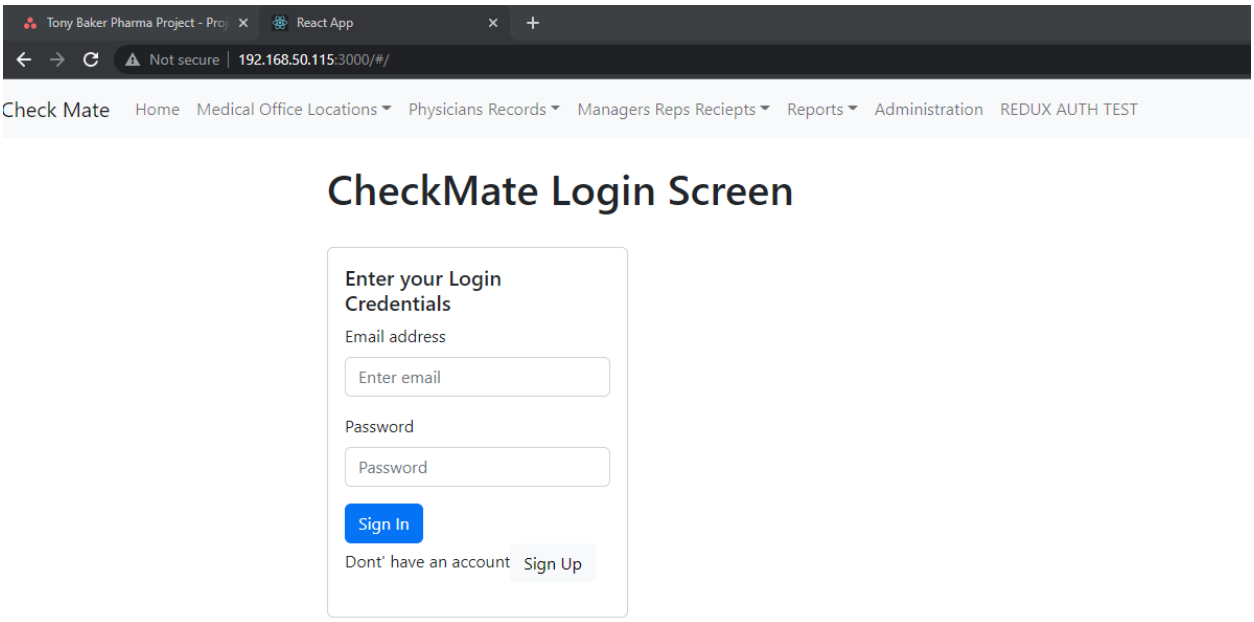


And as you can see below, it still has it’s settings

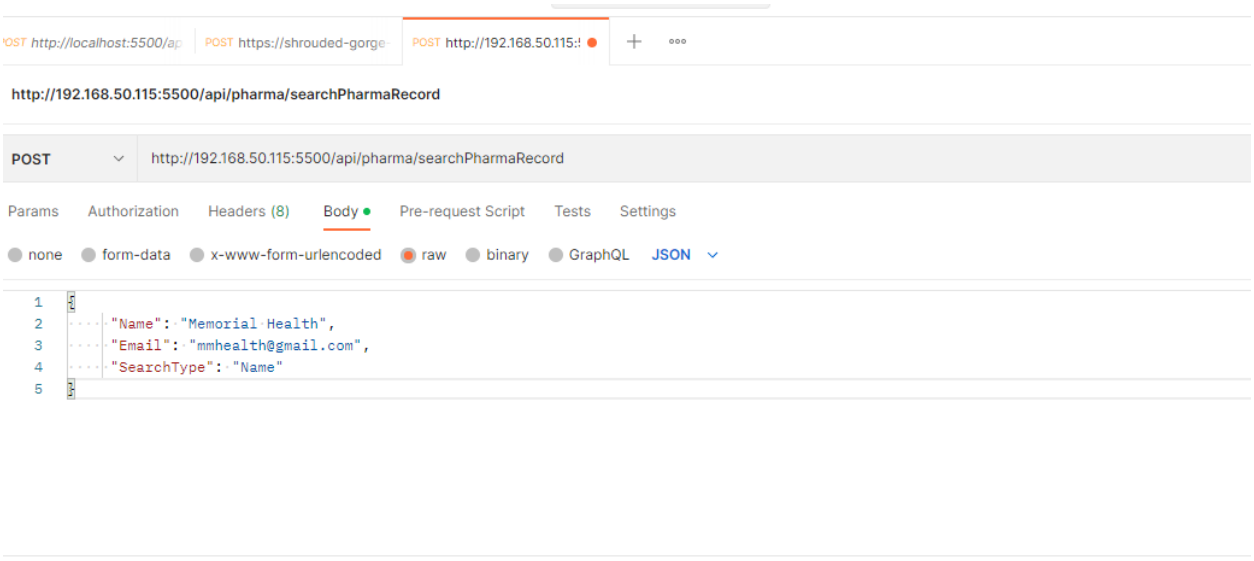


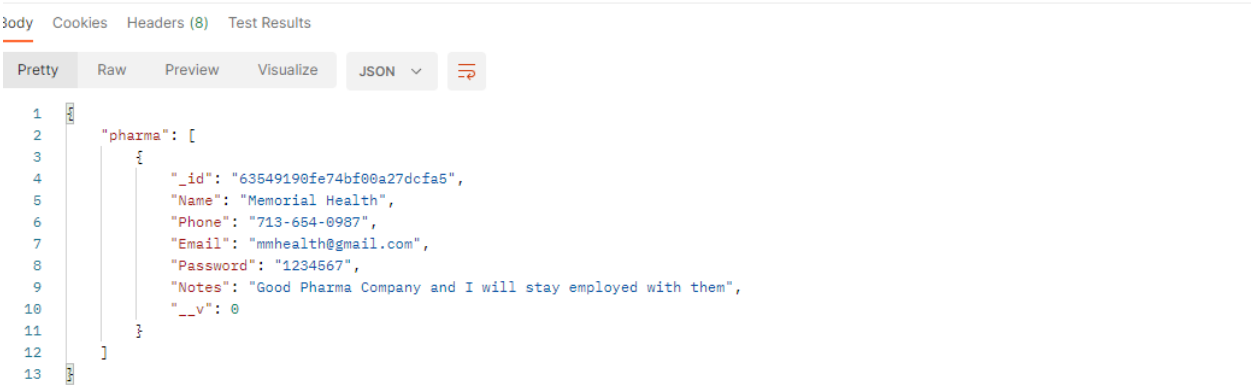
Then I did a test from my MAC at home:





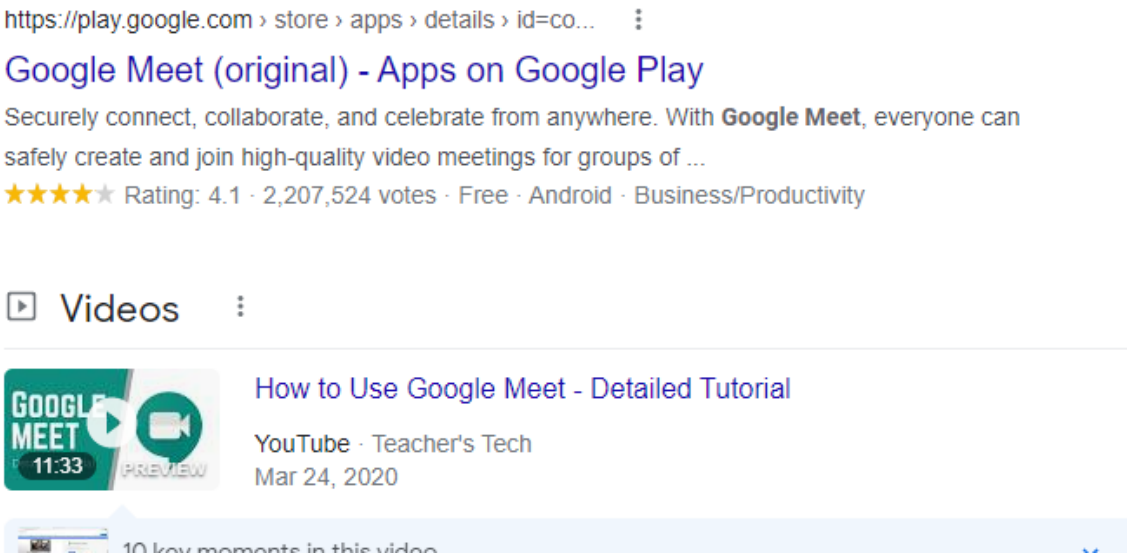
But it's looking at localhost
Now if you wanted to use the service
This works:



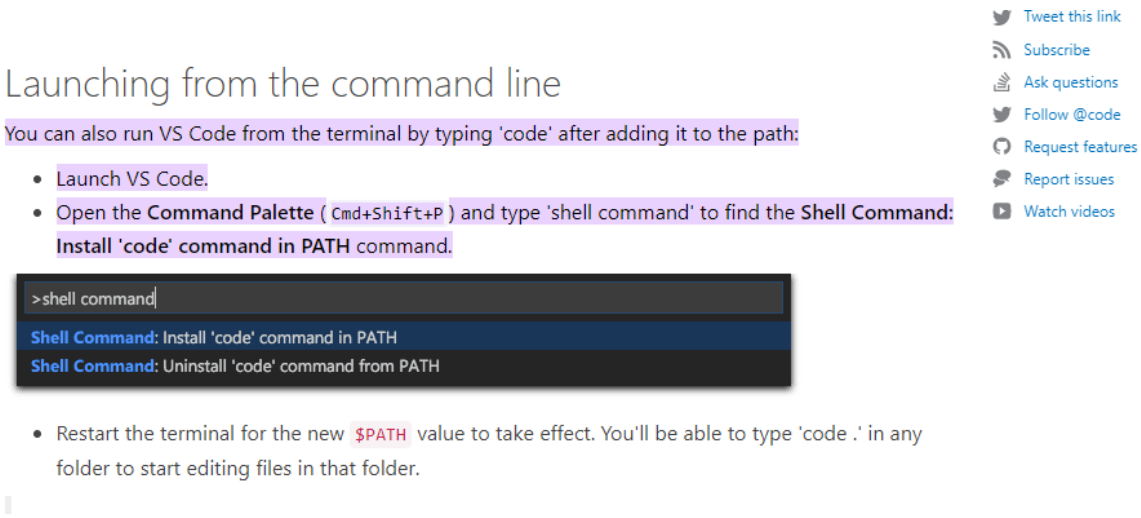


But the app itself points to localhost (meaning that it thinks it's looking itself)

Tip: Using Google Meet for meetings
Google meet rocks.. it's free and much easier to use than teams, and it's completely free



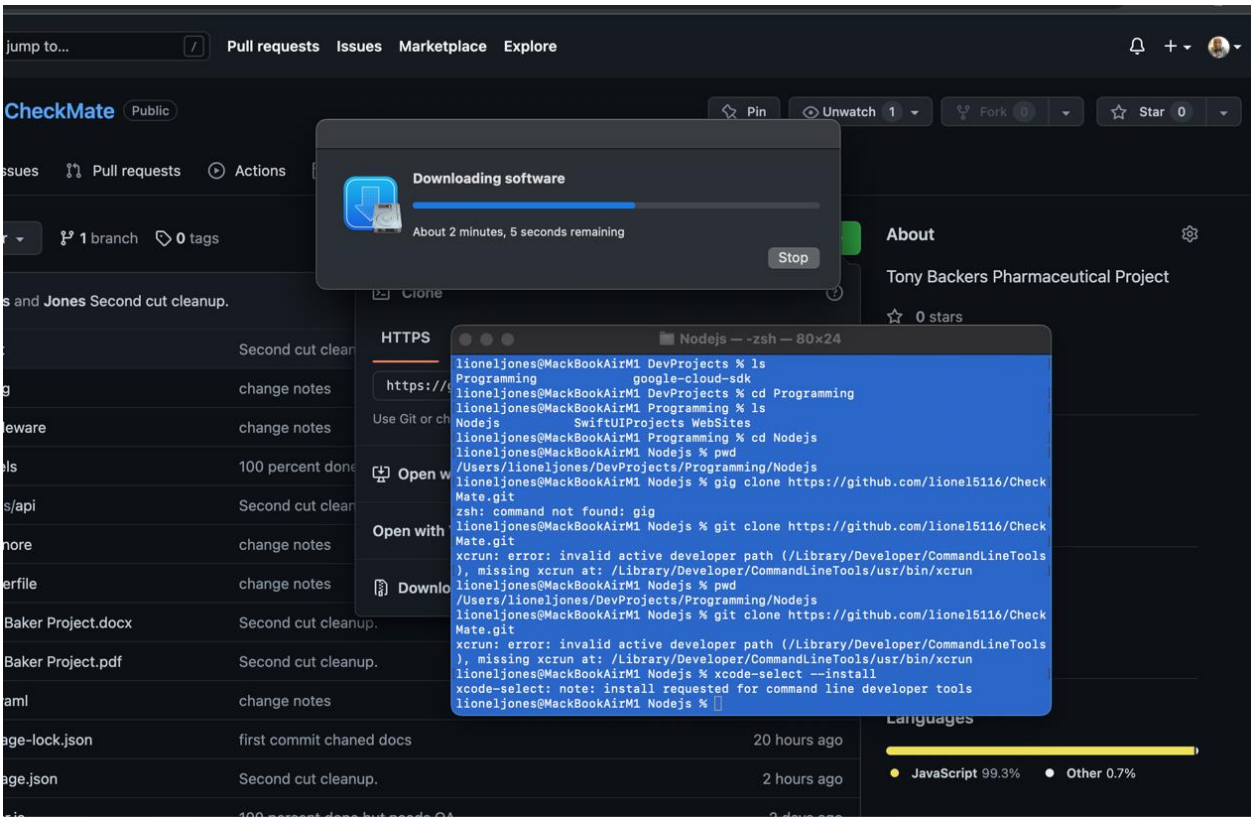
Tip: Running VSCode from command in terminal on mac m1
https://code.visualstudio.com/docs/setup/mac#:~:text=You%20can%20also%20run%20VS,code'%20command%20in%20PATH%20command.



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

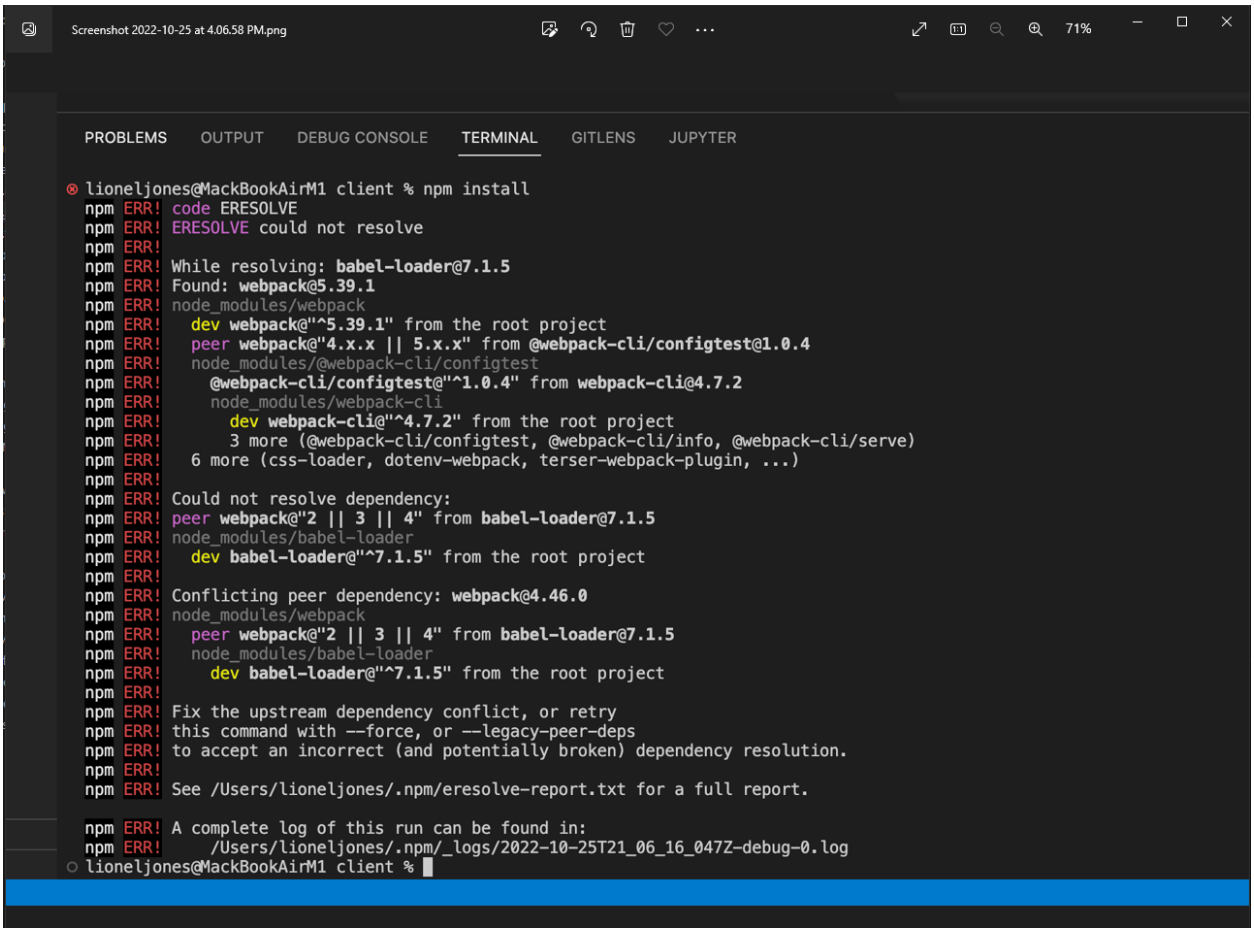
Cons:
It has a huge set of warnings with bootstraptablenext (but it still works tho)

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

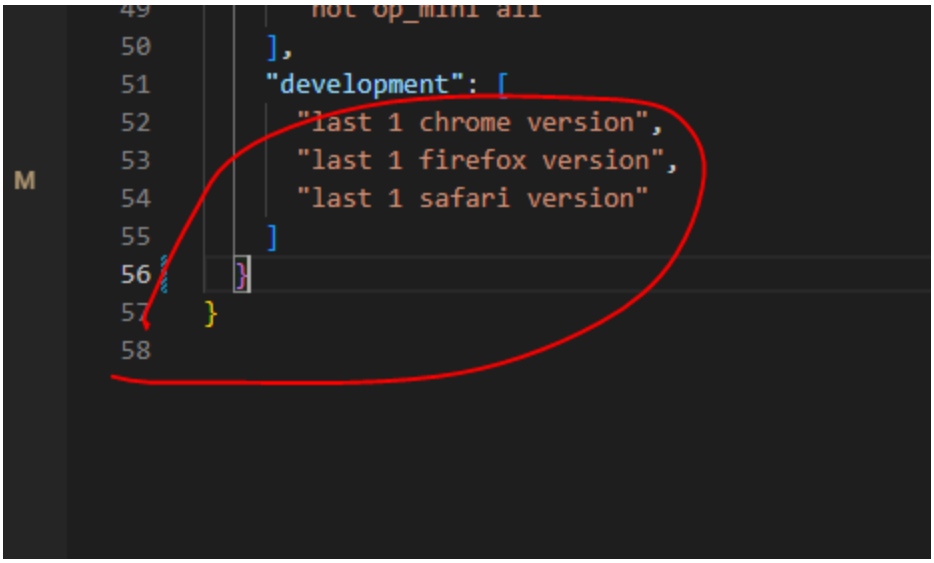
This is common everywhere



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



I am not use a proxy anymore anyway.

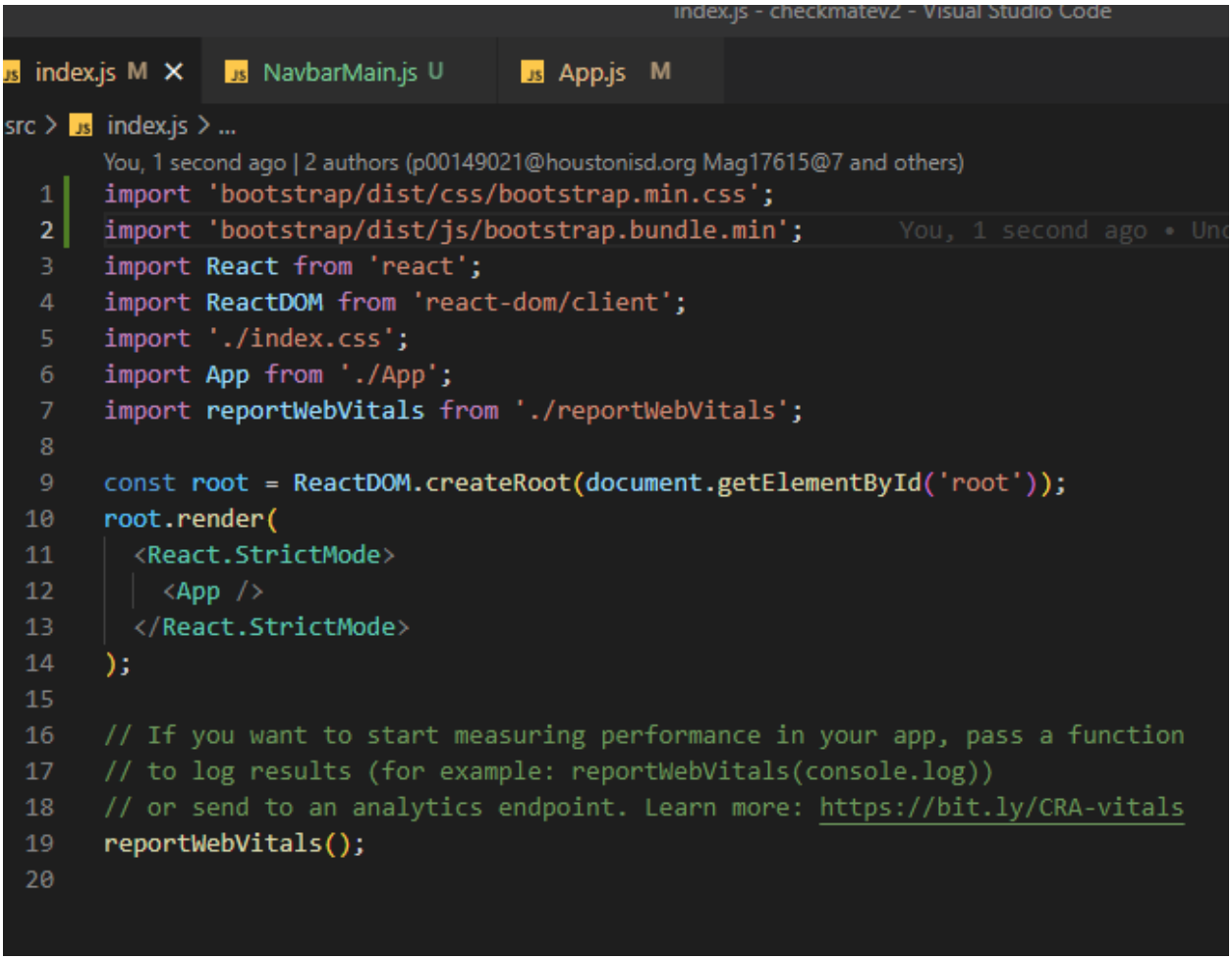
I decided to create another version of the app without webpack – causing too many issues

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

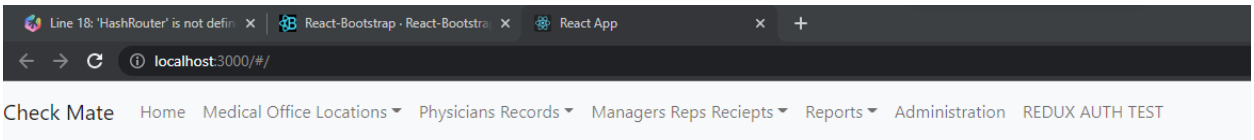


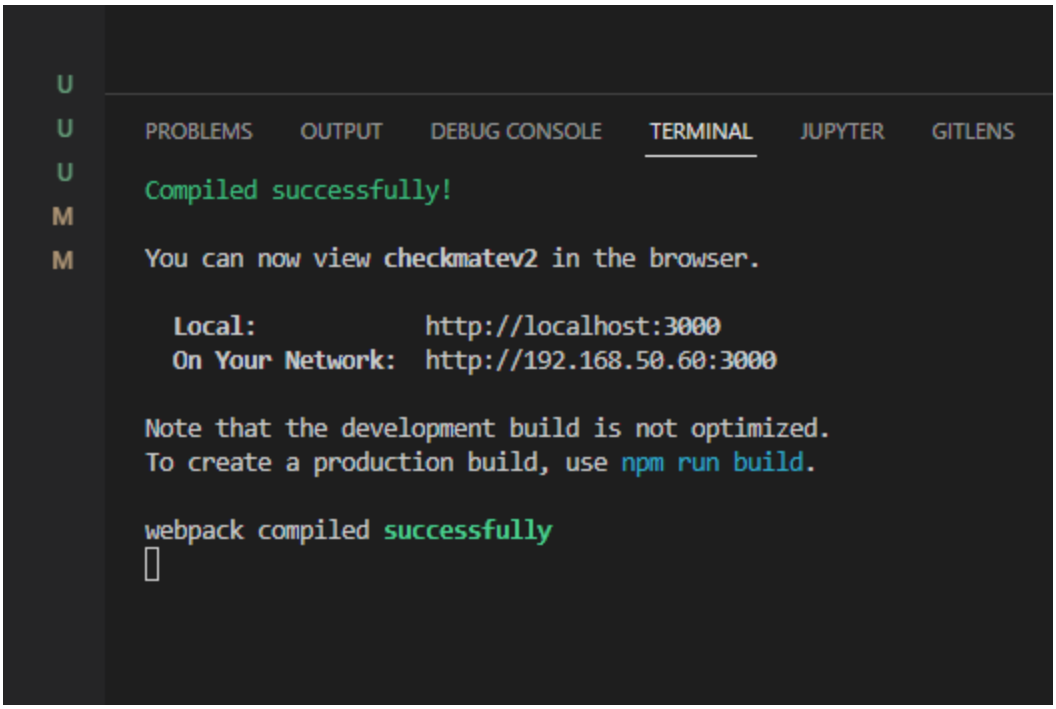
And so far, no warnings

```
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 bootrap to work





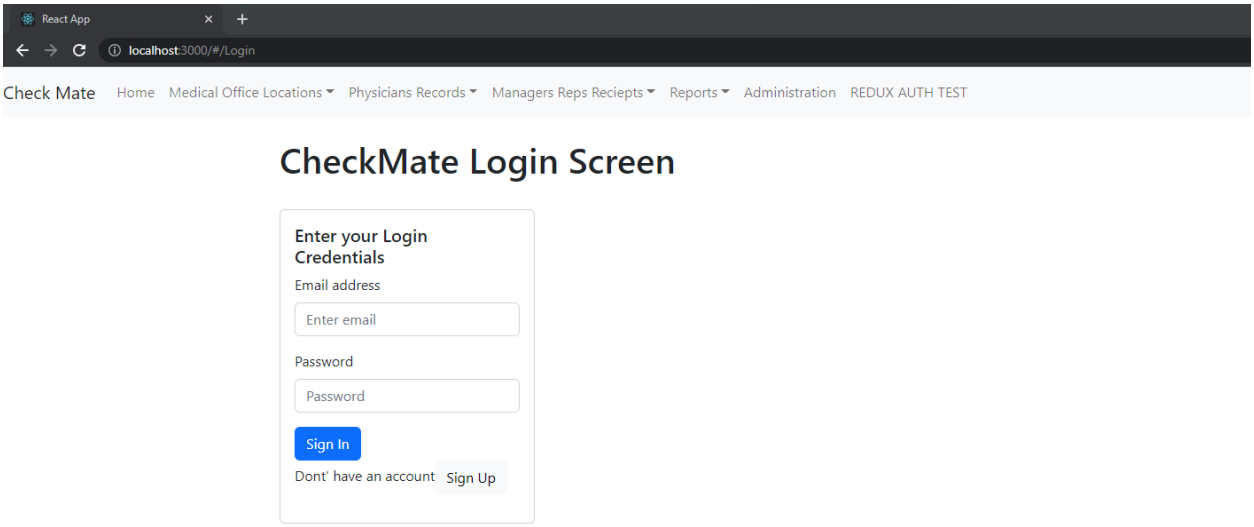
npm i axios

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

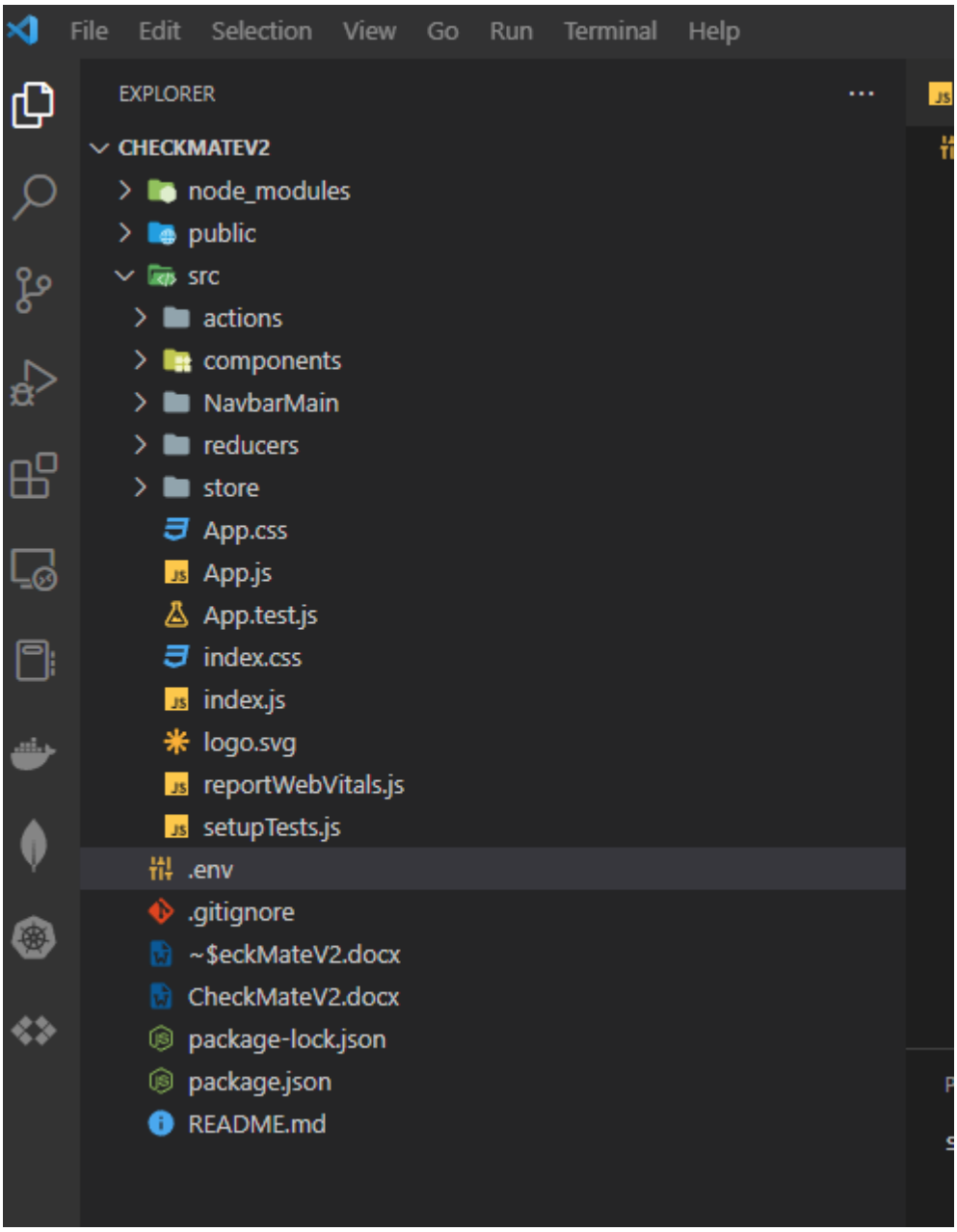
I have the base code:



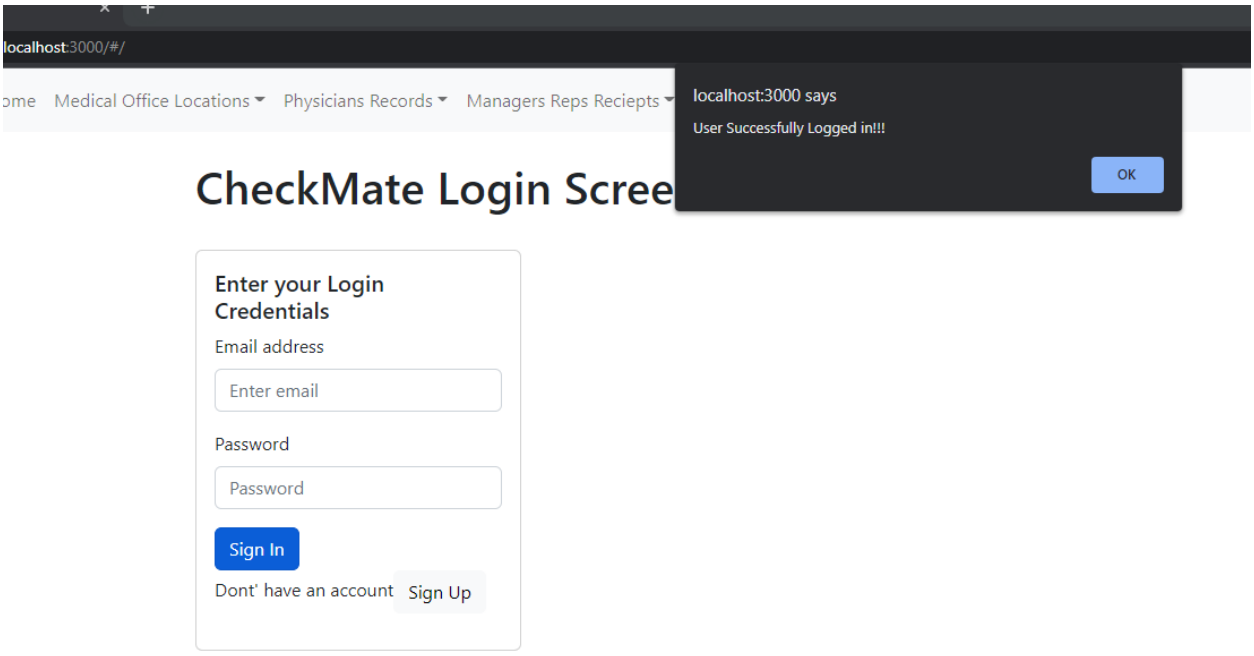
And its lightning fast

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

i:e npm install react-bootstrap-table2-toolkit –force
npm i uuid