**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  
**Tip**: Adding styles to the login screen  
  
<https://shrouded-gorge-59241.herokuapp.com/#/>

**Tip**: Adding styles to the login screen  
  
Look at the style for the card, this was used to center using absolute and flex  
Text

Description automatically generated  
  
For the button, we use width: 100%  
Position: absolute relative to the screen size, and it works with the left attribute (40% of the screen)  
d-flex justify…. Is from bootstrap 5- see the docs  
Text

Description automatically generated  
  
Graphical user interface, application

Description automatically generated

**Tip**: Splitting out the webservice to Heroku  
Web service URL  
https://pure-gorge-49930.herokuapp.com/  
  
Modify your server.js  
Text

Description automatically generated  
And your package.json  
Text

Description automatically generated  
  
https://pure-gorge-49930.herokuapp.com/api/pharma/searchPharmaRecord  
  
  
Graphical user interface, text, application, email

Description automatically generated  
A screenshot of a computer

Description automatically generated with medium confidence

Placed it in the project and it works  
Graphical user interface, text

Description automatically generated  
  
Changed url to point to the service on Heroku  
Text

Description automatically generated with medium confidence  
  
And it works!!!!  
A screenshot of a computer

Description automatically generated

**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

A screenshot of a computer

Description automatically generated with medium confidence

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 !!!!!!!**

Text

Description automatically generated

Next you do:  
Heroku login  
Heroku create  
  
It creates a repo  
Go to deploy on the dashboard  
Graphical user interface, application, Teams

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

Text

Description automatically generated

**Then do a**   
git add .

git commit -am "make it better"

git push heroku master

And there you go  
Graphical user interface, text, website

Description automatically generated  
  
https://shrouded-gorge-59241.herokuapp.com/#/  
Ahd it WORKS!!!!!  
It took time for the service to start (I hit the endpoint to quick)  
A screenshot of a computer

Description automatically generated

**Tip**: Getting the solution run in a docker container

Text

Description automatically generated  
  
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

Text

Description automatically generated  
  
To run the image  
docker run --name checkmateappv2-container -p 3000:3000 -p 5500:5500 -d checkmateappv2  
  
Text

Description automatically generated  
  
And it works

Graphical user interface, text, application, email

Description automatically generated  
  
**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  
  
A screenshot of a computer screen

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence  
  
Just hit the start button  
A screenshot of a computer

Description automatically generated with medium confidence  
  
And as you can see below, it still has it’s settings  
A screenshot of a computer

Description automatically generated with medium confidence  
  
  
Then I did a test from my MAC at home:  
A screenshot of a computer

Description automatically generated with medium confidence  
  
Graphical user interface, application

Description automatically generated

But it’s looking at localhost  
Now if you wanted to use the service  
This works:  
Graphical user interface, text, application, email

Description automatically generated  
  
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  
Graphical user interface, text, application, email

Description automatically generated

**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.  
  
Graphical user interface, text, application

Description automatically generated

**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

A screenshot of a computer

Description automatically generated with medium confidence  
  
I had to run the command to update my xcode tools  
xcode-select –install  
  
This is common everywhere  
Text

Description automatically generated  
  
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   
Diagram

Description automatically generated  
  
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  
Text

Description automatically generated  
  
And so far, no warnings  
  
  
  
  
  
npm install react-router-dom –save  
  
npm install react-router-dom@5.2.0 [react-router@5.2.0](mailto:react-router@5.2.0)  
  
And this is all we need to do to get the initial bootrap to work  
  
Graphical user interface, text, application, website

Description automatically generated  
  
Text

Description automatically generated  
  
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:  
Graphical user interface, text, application

Description automatically generated  
  
And its lightning fast  
  
To allow for environment variables  
npm i env-cmd  
  
Make sure you put it at the root

Text

Description automatically generated  
  
So the login screen and register screen is finished

Graphical user interface, application, website

Description automatically generated  
  
For the bootstrap tables, I had to use the –force with it

Text

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