

## **OS DOCKERS 10 Mark COMPONENT**

### **Submitted by:**

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## Steps to Dockerize a Node.js:

1. Install and set up the Docker Desktop application in your windows laptop.
2. Under the frontend folder, create a Dockerfile.
3. Now, type the commands as follows:

```
FROM node

WORKDIR /app

COPY package*.json ./

RUN npm install

COPY . .

ENV PORT=3000

EXPOSE 3000

CMD ["npm", "start"]
```

4. Run the build instruction as follows in the terminal:

```
docker build -t thakshith/hospital:1.0
```

5. Now push the image we just created.

```
docker push thakshith/hospital:1.0
```

6. The docker image will be pushed to the docker, to view the same, run the following command:

```
docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
thakshith/hospital	1.0	a30e6f8afb1d	4 minutes ago	1.34GB
thakshith/testapp	3.0	98a4063b4fe7	4 days ago	1.33GB

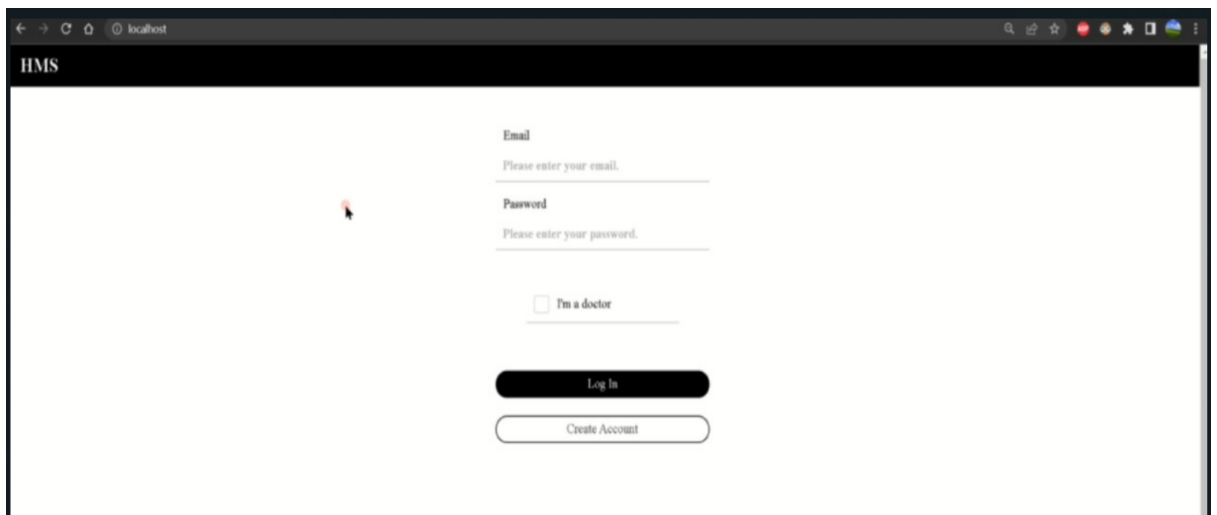
7. To see if this is working, we'll try to pull this image:

```
docker pull thakshith/testapp:3.0
```

8. Copy the image id we'd got in step 6 and paste it into the run command:

```
docker run -it -p 80:3000 98a4063b4fe7
```

9. Open the browser, localhost 3000 and you will find this:



10. Fill the details into our front end of our DBS project!  
So, it's working! DONE!