For Backend:  
  
Clone dev branch from the Prashant repo.

In our dev branch we don’t have index.js but we have server.js.

Commands:

Run npm install

node server.js

* After run the command we got an error of mongo connectivity, so we need to create .env file in the root and add the PORT and Mongo\_URL.
* After adding the file again run the command “node server.js”.   
   Now you can checkon browser localhost:[Port]. It’s working fine.



Now time to write the docker file for backend

FROM node:18

WORKDIR /app

COPY package.json .

RUN npm install

COPY . .

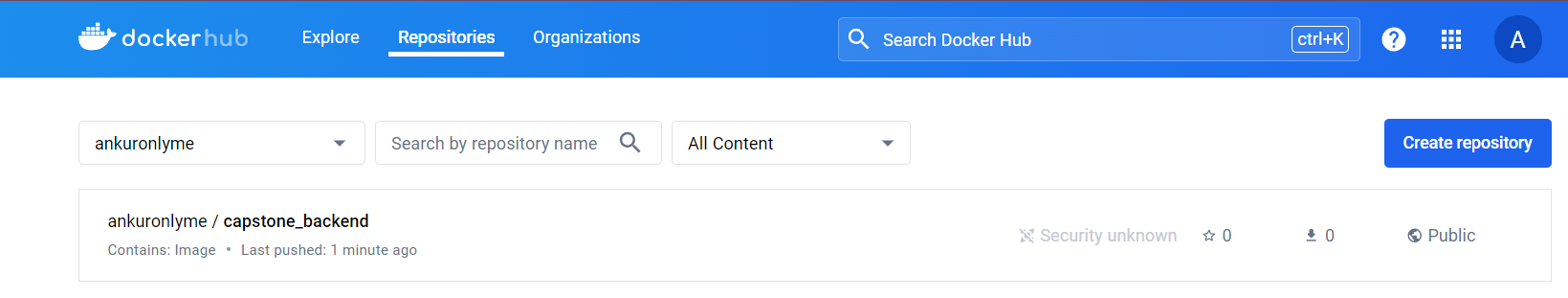
#COPY .env .

EXPOSE 3001

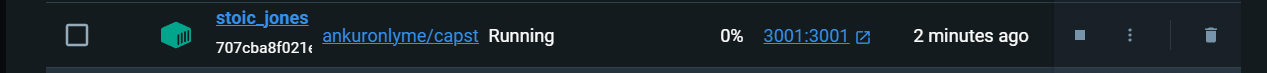
CMD ["node", "server.js"]

After write the docker file, now build the docker image and push it into the docker hub:

* docker build -t lms-backend:latest .
* docker tag lms-backend:latest ankuronlyme/capstone\_backend:v1
* docker push ankuronlyme/capstone\_backend:v1



Make container for backend image:  
  
Run: docker run -dp 3001:3001 -e "PORT=3001" -e "MONGO\_URL=mongodb+srv://TravelMemory:Travel@ankurcluster.h2znnvu.mongodb.net/Travel" -e "GITHUB\_CLIENT\_SECRET=clientpassword" ankuronlyme/capstone\_backend:v1



For Frontend:  
  
Clone angular branch from the Prashant repo.

Commands:

* Run npm install –force (installation of dependencies and packages)
* Run npm start
* After run the command we got an error, so we need to make some changes

In node\_modules/ngx-quill/lib/quill-editor.component.d.ts

replace line 1 i.e

`import QuillType, { Delta } from 'quill';`

with

`import QuillType from 'quill';`

`import Delta from 'quill';`

* After replacing these lines again run the command “npm start”.
* Run npm install -g @angular/cli (installation of angular cli)

Check versions of the below:

* node --version
* npm –version
* ng –version
* Run ng build –production (To build your application)
* Run dir dist (to check the location of your build)

Now time to write the docker file for frontend

# Build Stage

FROM node:18 AS build

WORKDIR /app

COPY package\*.json ./

RUN npm install --force

RUN npm install @angular/cli --legacy-peer-deps

COPY . .

RUN ./node\_modules/.bin/ng build --configuration=production

# Deployment Stage

FROM nginx:alpine

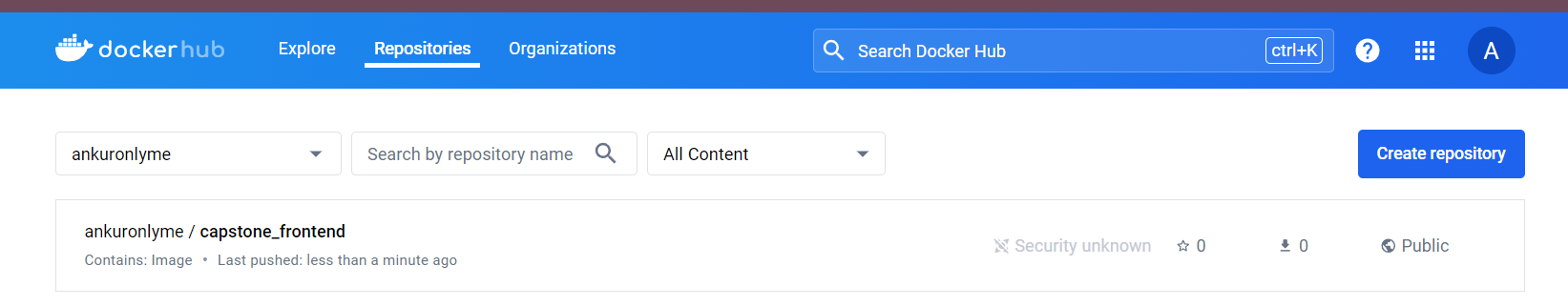
COPY --from=build /app/dist/lms-front-ang /usr/share/nginx/html

EXPOSE 80

CMD ["nginx", "-g", "daemon off;"]

After write the docker file, now build the docker image and push it into the docker hub:

* docker build -t lms-frontend:latest .
* docker tag lms-frontend:latest ankuronlyme/capstone\_frontend:v1
* docker push ankuronlyme/capstone\_frontend:v1



docker run -dp 4200:4200 ankuronlyme/capstone\_frontend:v2

