opened the given **github URL**

[GOPALGTM/devops-assignment](https://github.com/GOPALGTM/devops-assignment)

1 - Clicked on Fork

A screenshot of a computer

AI-generated content may be incorrect.

Cloned the repo in local machine and entered into **devops-assignment/** folder

2 - We have docker file in backend and frontend directory inside devops-assignment directory

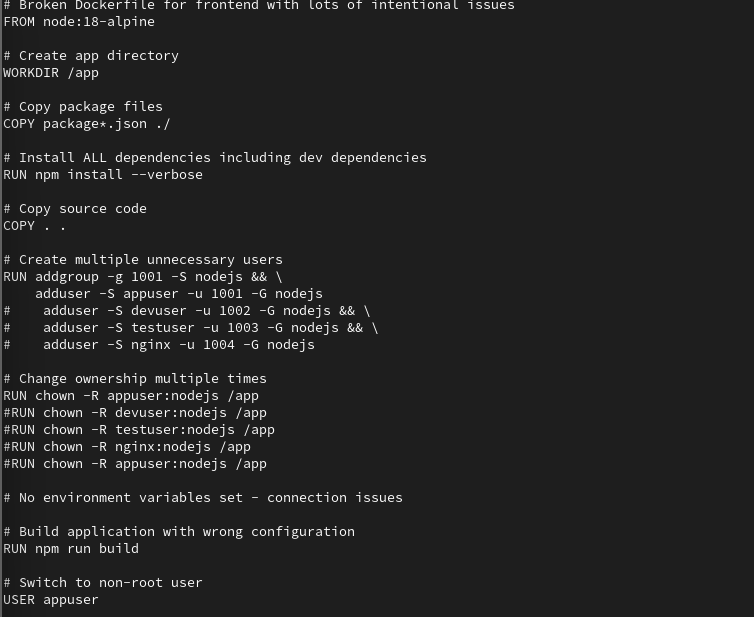
We have made several changes in frontend and backend docker files

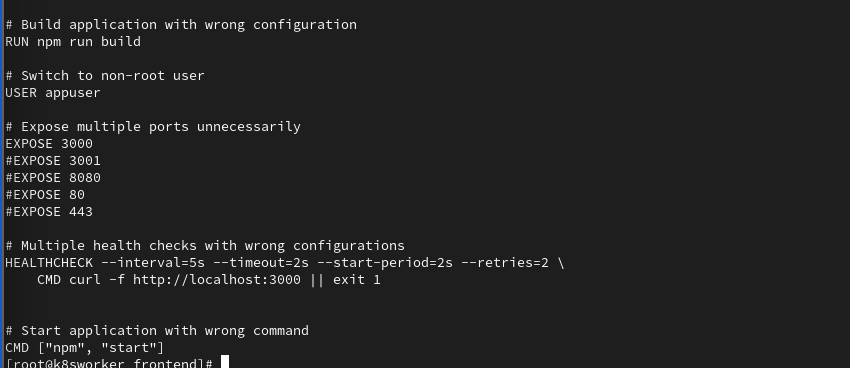
1 – removed unnecessary package insallation

2 – removed unwanted users and ports

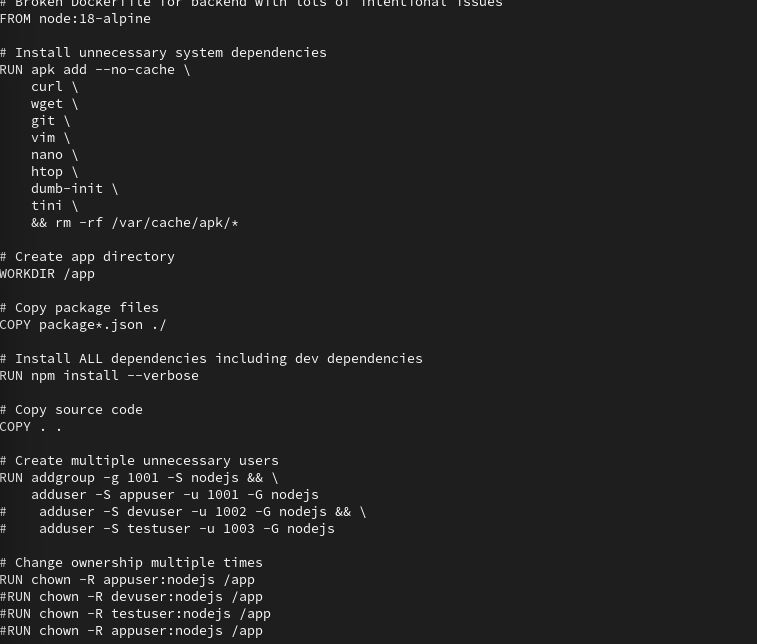
3 – made changes in CMD for starting the application

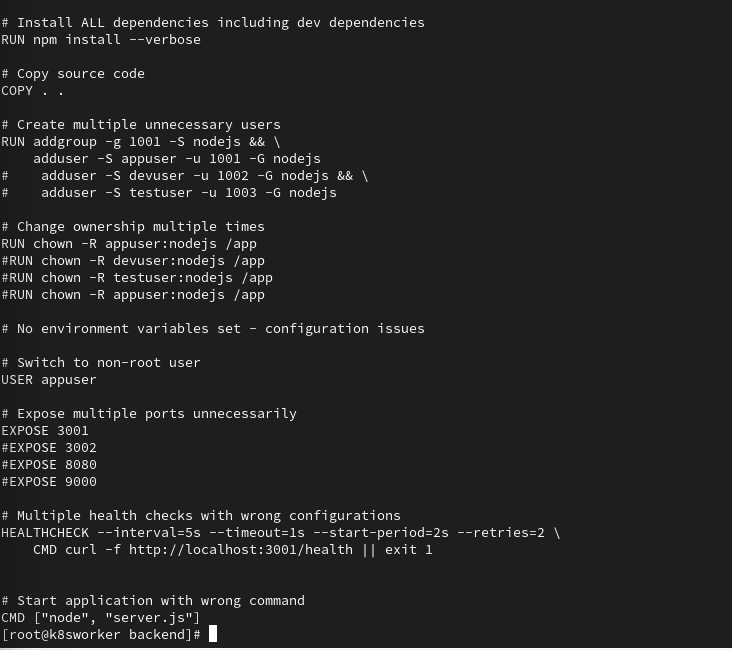
Frontend file:



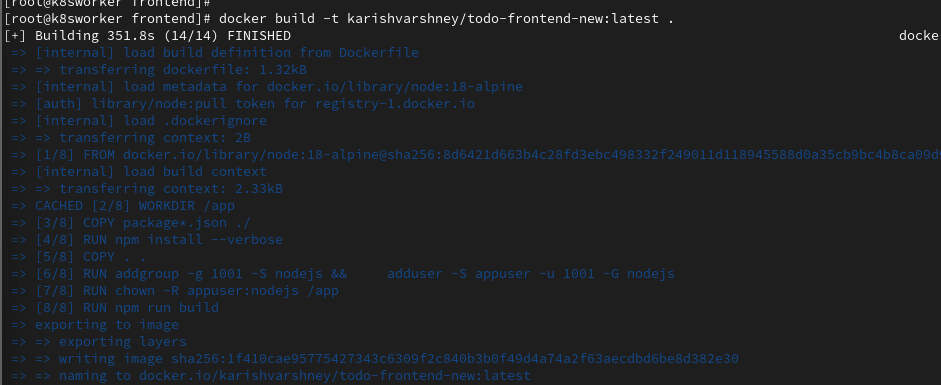


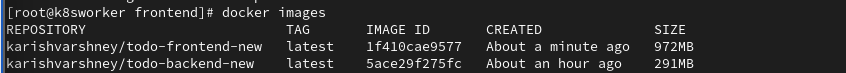
Backend docker file:



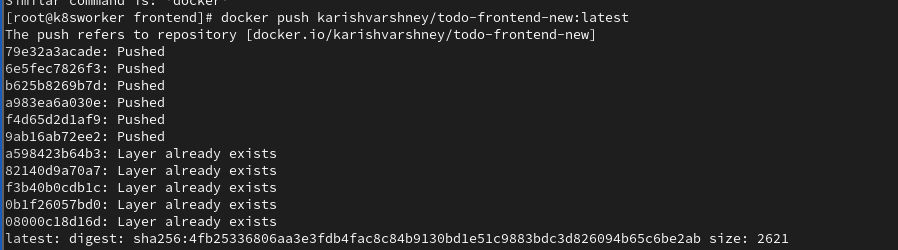


Now we will build the frontend and backend image:



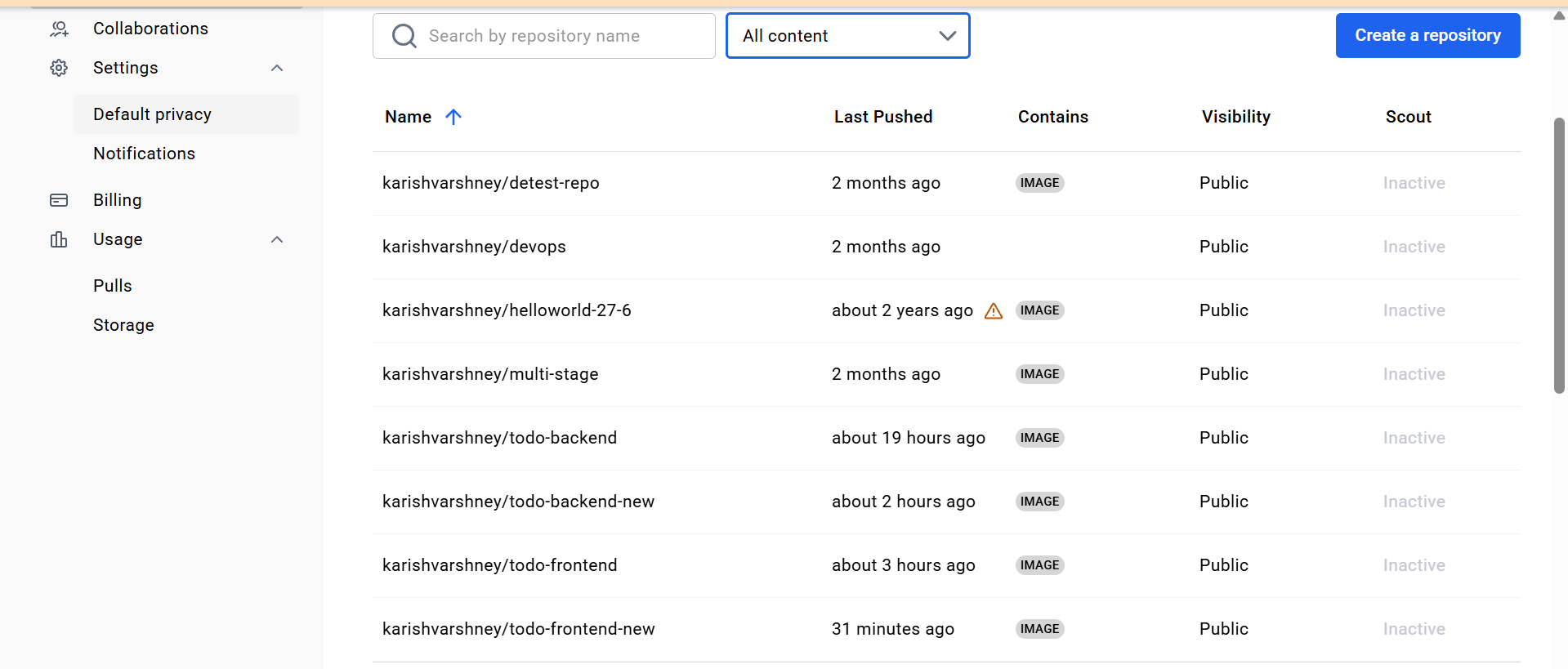


Now we will push the docker images to docker hub



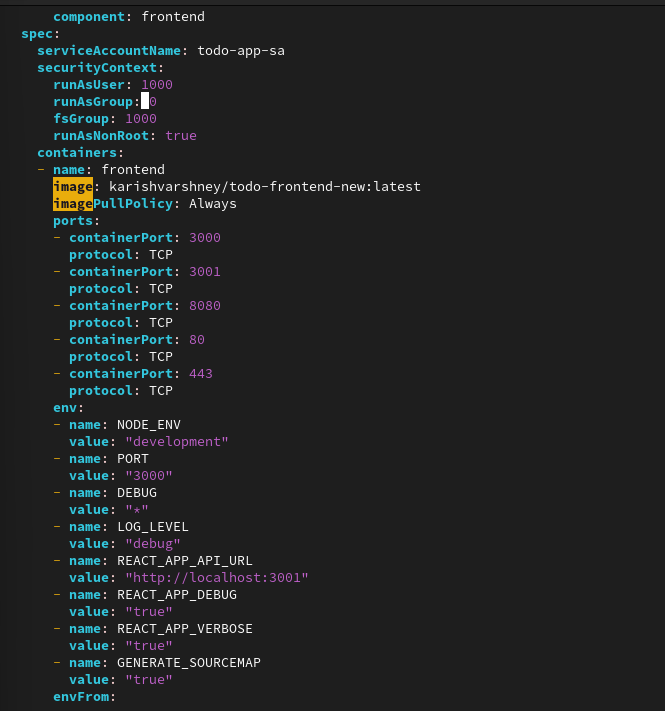
A screen shot of a computer

AI-generated content may be incorrect.

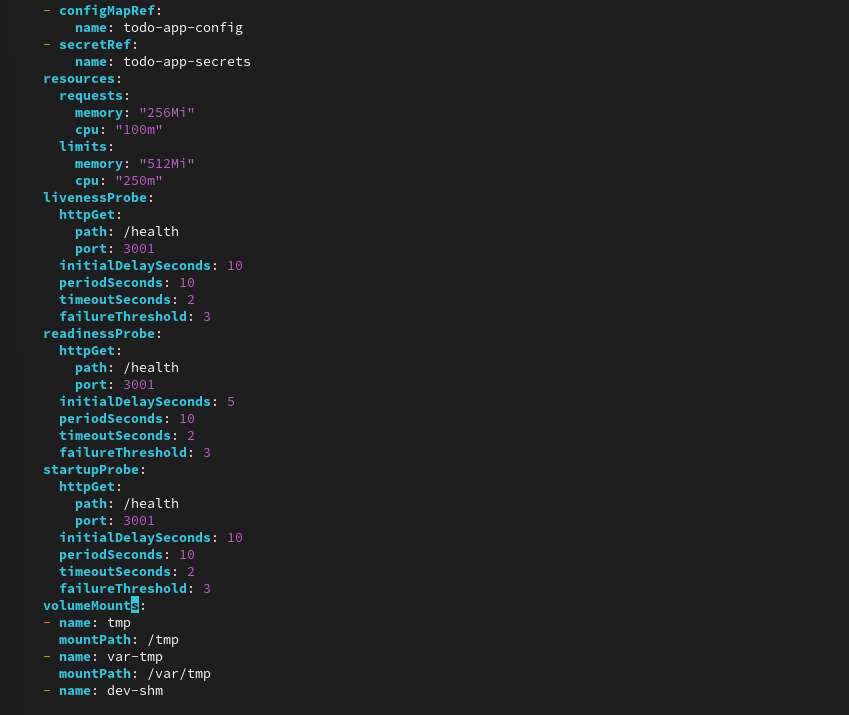


3 - In yaml file we have made several changes

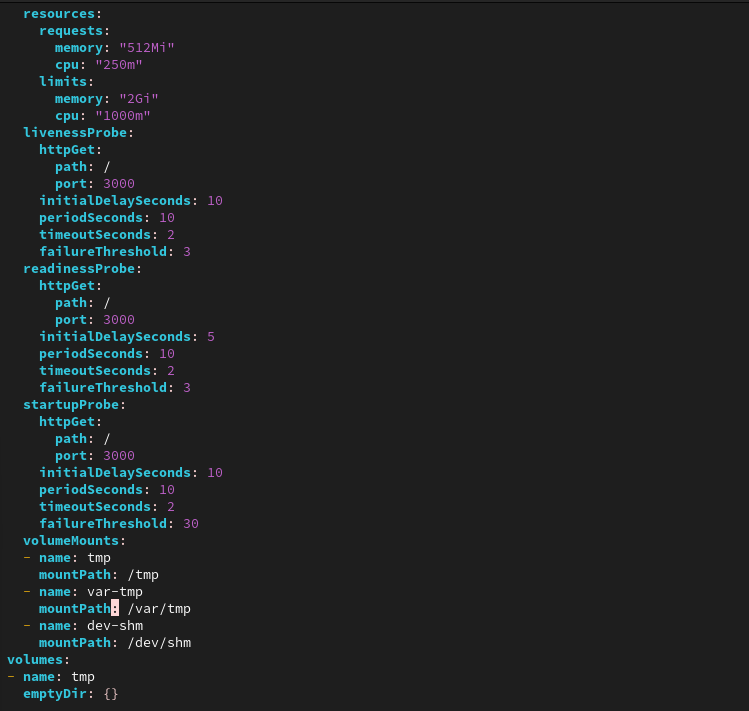
1 – changes the images name for frontend and backend both





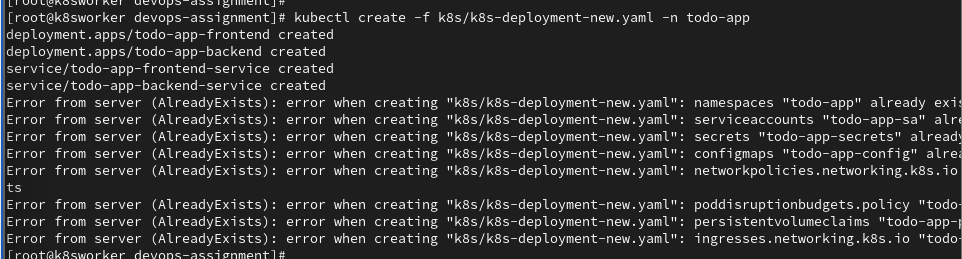


2 – changed the probes port and resources limit

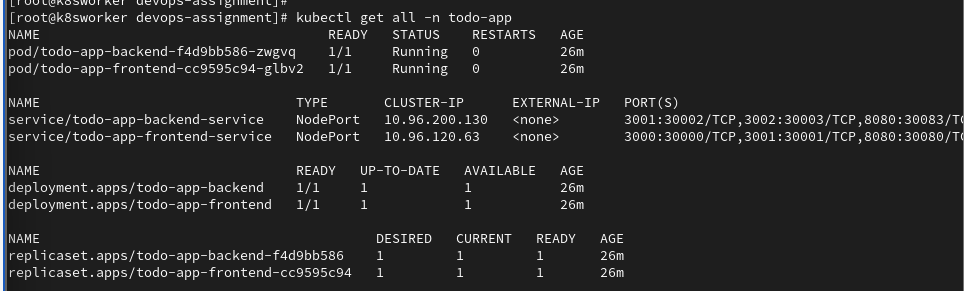


And now we will apply the yaml files using the below commad

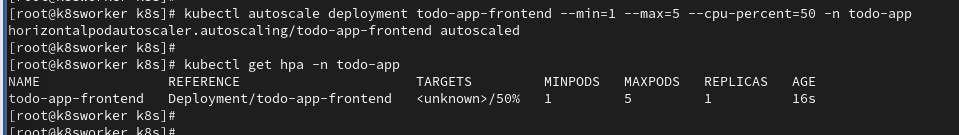
Kubectl apply -f k8s-deployment-new.yaml -n todo-app



Now check the status



5 - Now we will create Horizonatl pod autoscaling



ghp\_reeDjMPGNdTVlyWNIzY1sOPoTILjFE0wZFIM