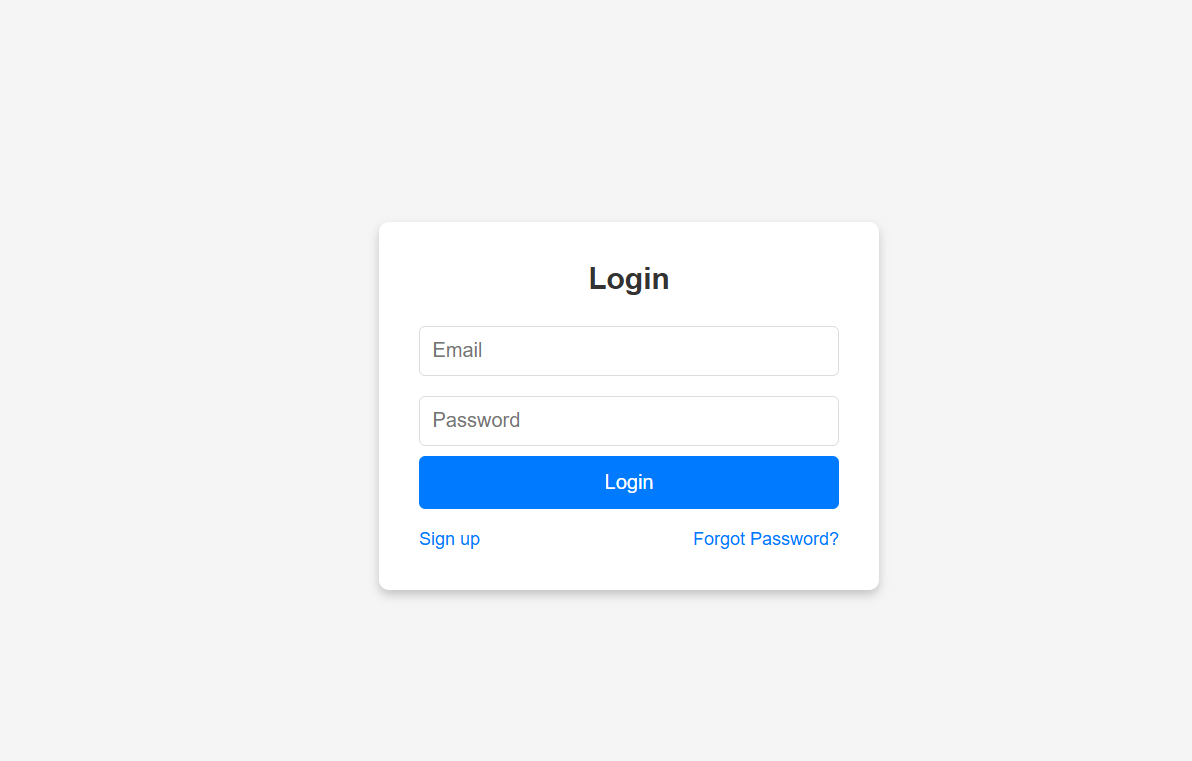
**Name:**

Abdul Subhan

**Roll No:**

21I-1223

Creating the frontend of Application



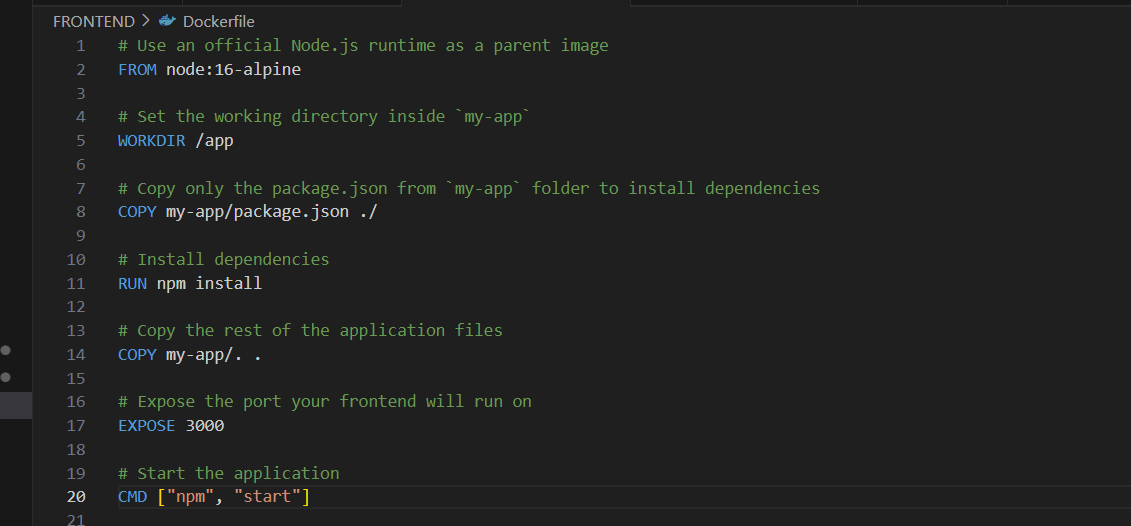
A screenshot of a login form

Description automatically generated

A screenshot of a login form

Description automatically generated

Creating the docker files for frontend and backend and MongoDB official image

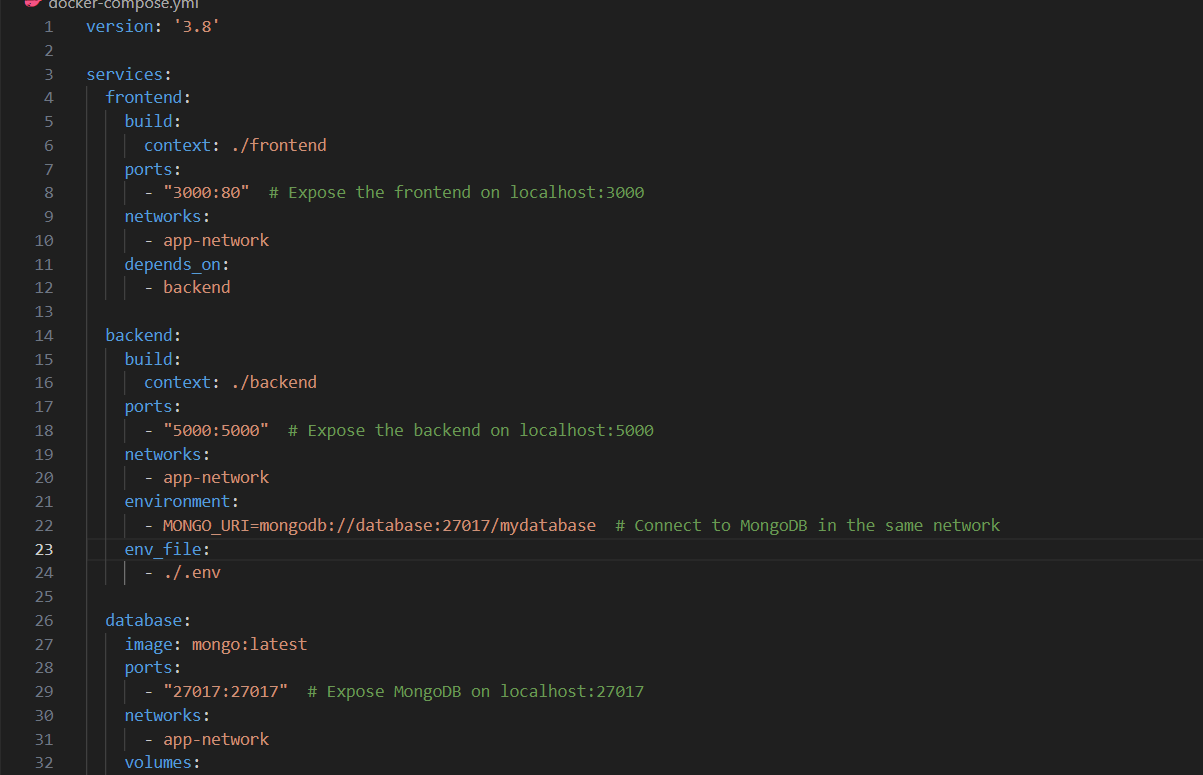


A screenshot of a computer program

Description automatically generated

Creating the docker compose file to build images on docker desktop using below command

docker-compose up --build



Images are build on the docker desktop

A screenshot of a computer

Description automatically generated

Runing container of Assignment

A close-up of a computer screen

Description automatically generated

Creating the deployment of frontend backend and database

A screen shot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screen shot of a computer program

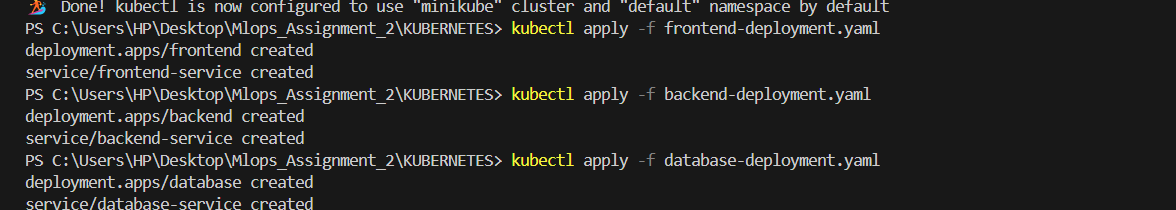
Description automatically generated

Applying the deployments and services using following commands

kubectl apply -f frontend-deployment.yaml

kubectl apply -f backend-deployment.yaml

kubectl apply -f database-deployment.yaml



Now pusging the frontend and backend images to docker hub registry

A screen shot of a computer

Description automatically generated

A screen shot of a computer screen

Description automatically generated

Getting the pods that are running

A screen shot of a black screen

Description automatically generated

Minikube dashboard

A screenshot of a computer

Description automatically generated

Runing services of minikube

A screenshot of a computer screen

Description automatically generated

Expose the frontend service externally,

A screen shot of a computer

Description automatically generated

