DEPLOY THE E-COMMERCE BACKEND TO DOCKER CONTAINER

Push the source code Git

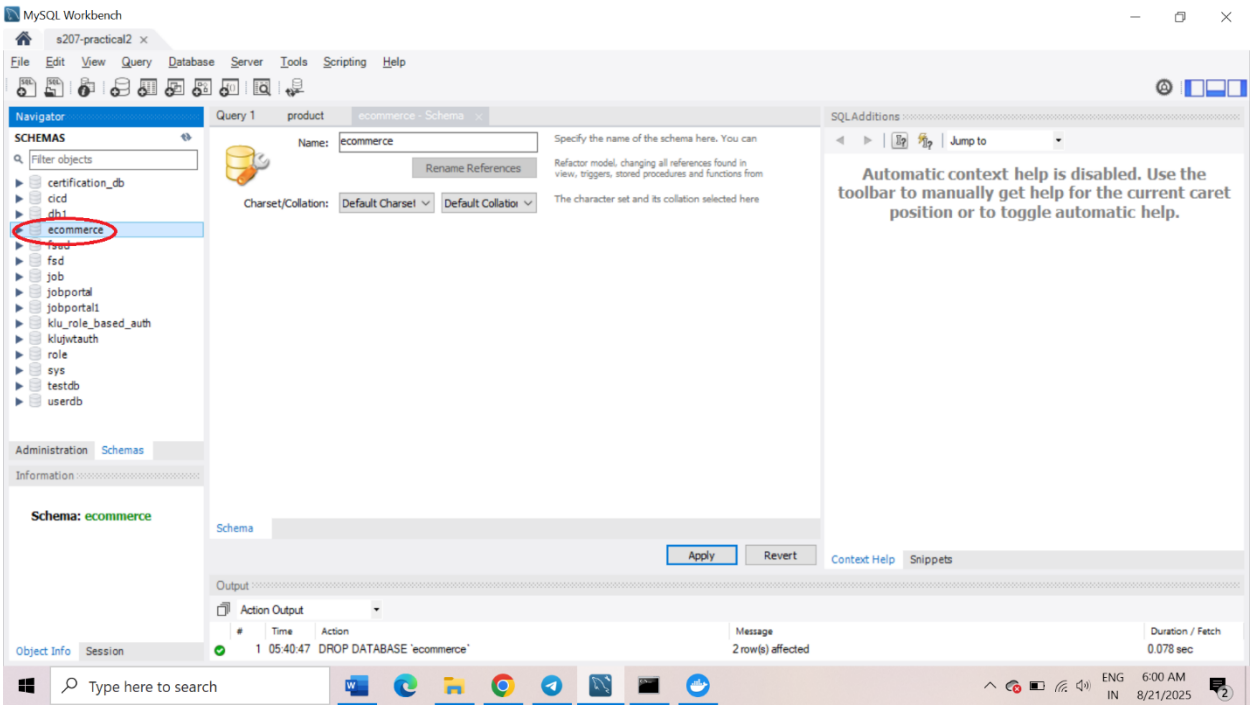
1. Download the source code from
   https://github.com/srithars/docker-backend.git

2. **Extract the folder and push all files into your git repository.**

   git init
   git add .
   git commit -m "first commit"
   git branch -M main
   git remote add origin https://github.com/srithars/docker-backend.git
   git push -u origin main

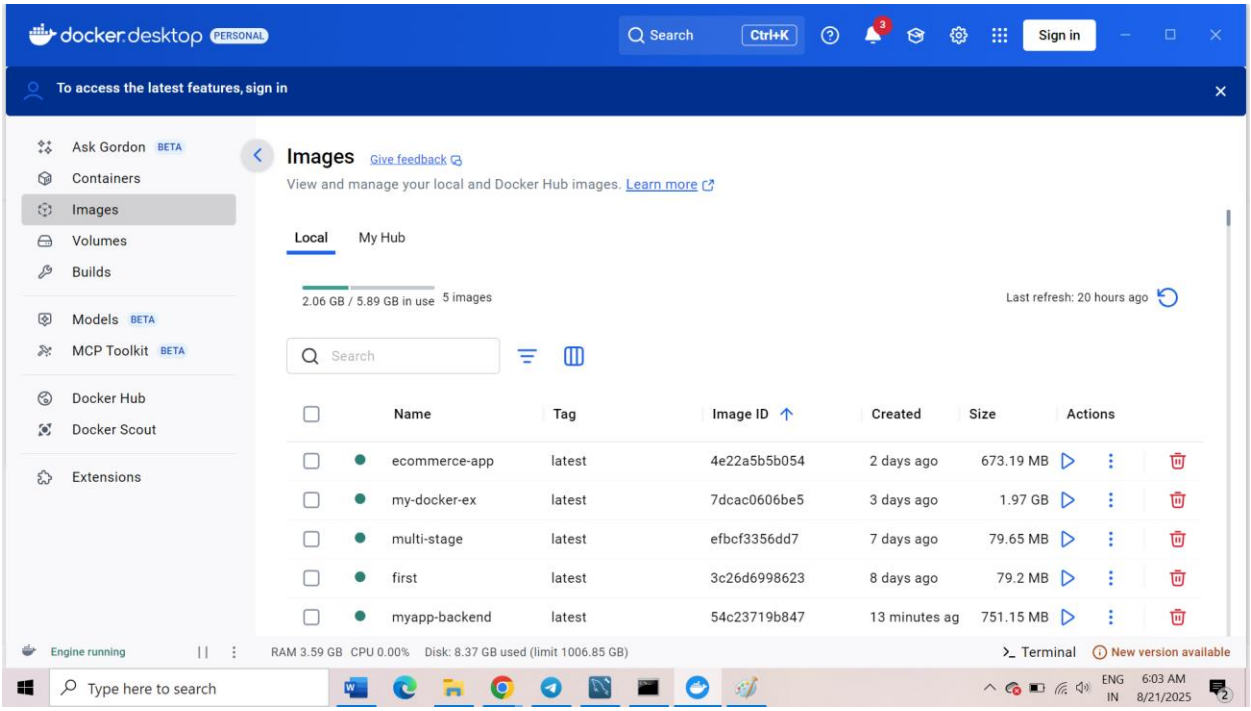
Create a “ecommerce” schema in Mysql workbench

1. Open mySQL workbench (In my system username: root, password: root) and create a new schema named “ecommerce”
   Note: If you have used any other username must be changed in **src\main\resources\application.properties** also.



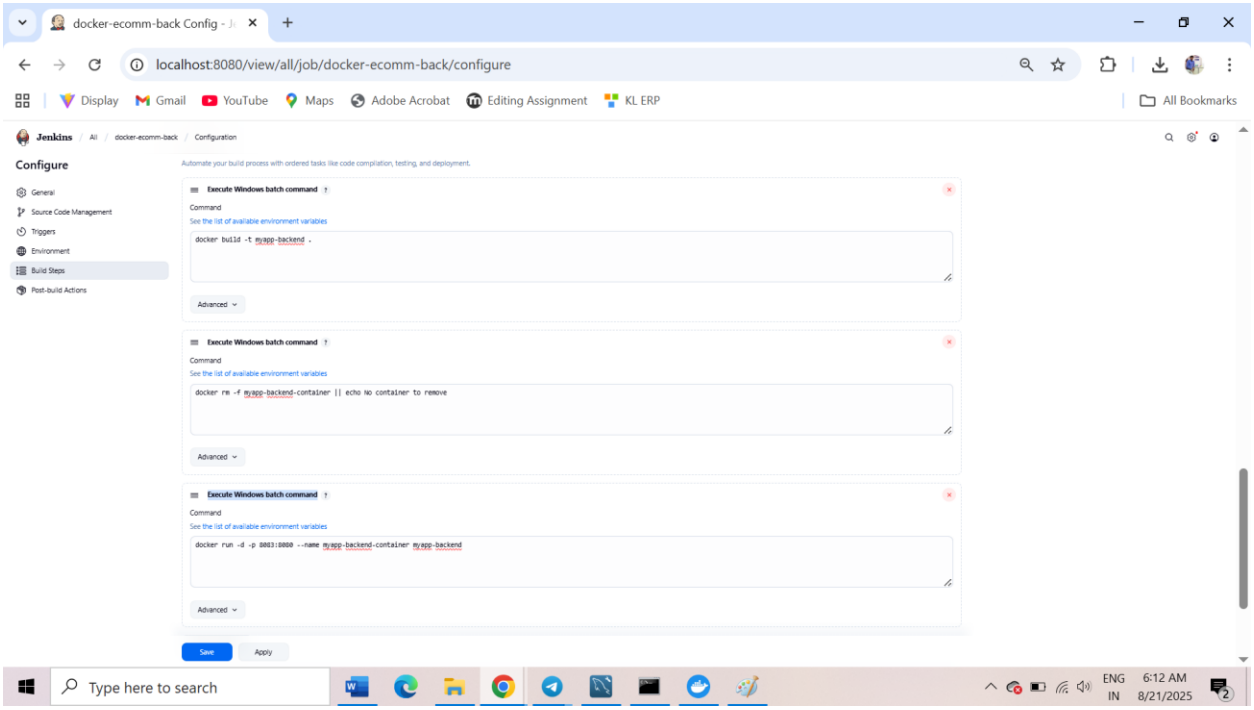
Connect to Docker Desktop

Open docker desktop which you already installed.

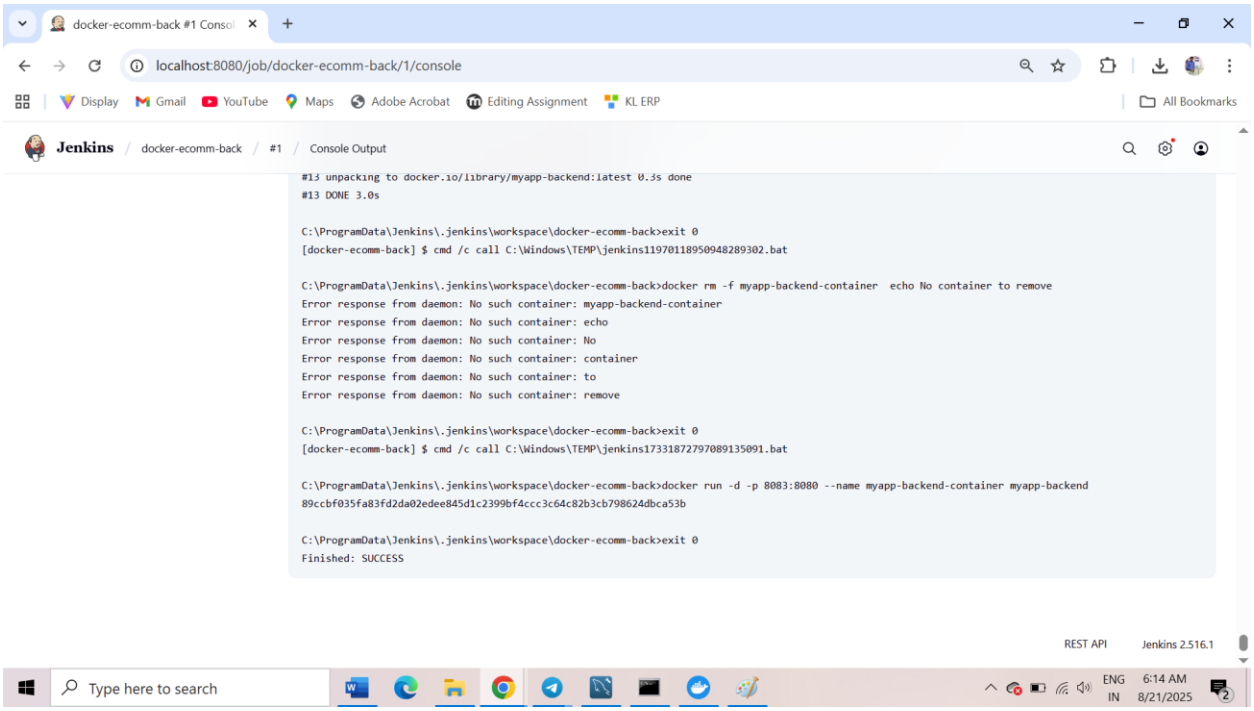


Create freestyle project in Jenkins

1. Open http://localhost:8080/
2. New item: ecomm-backend
   Select an item type: freestyle
   Click: ok
3. Git
   Repository URL: https://github.com/srithars/docker-backend.git (change it)
   Branch Specifier (blank for 'any'): */main (change according to yours branch)
4. Triggers
   Poll SCM * * * * *
5. Environment: Delete workspace before build starts
6. Build Steps (create separate windows batch command prompt to keep 3 command-Recommended)
   docker build -t myapp-backend .
   docker rm -f myapp-backend-container || echo No container to remove
   docker run -d -p 8083:8080 --name myapp-backend-container myapp-backend

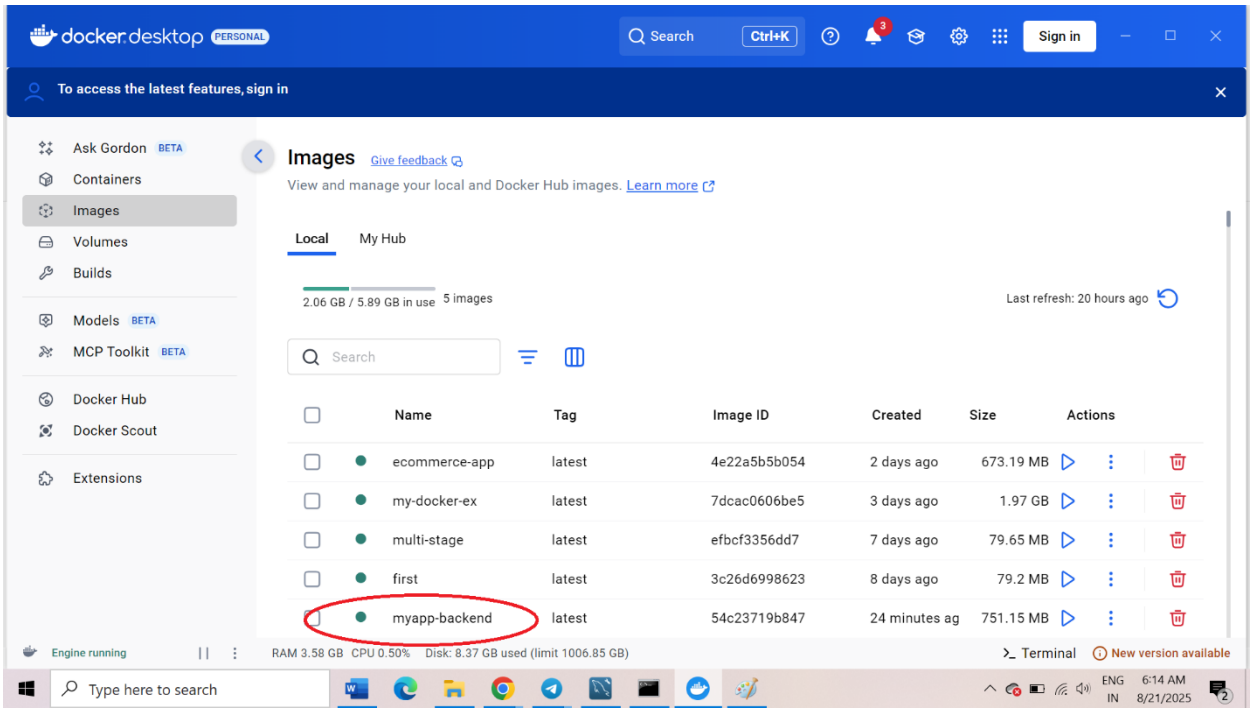


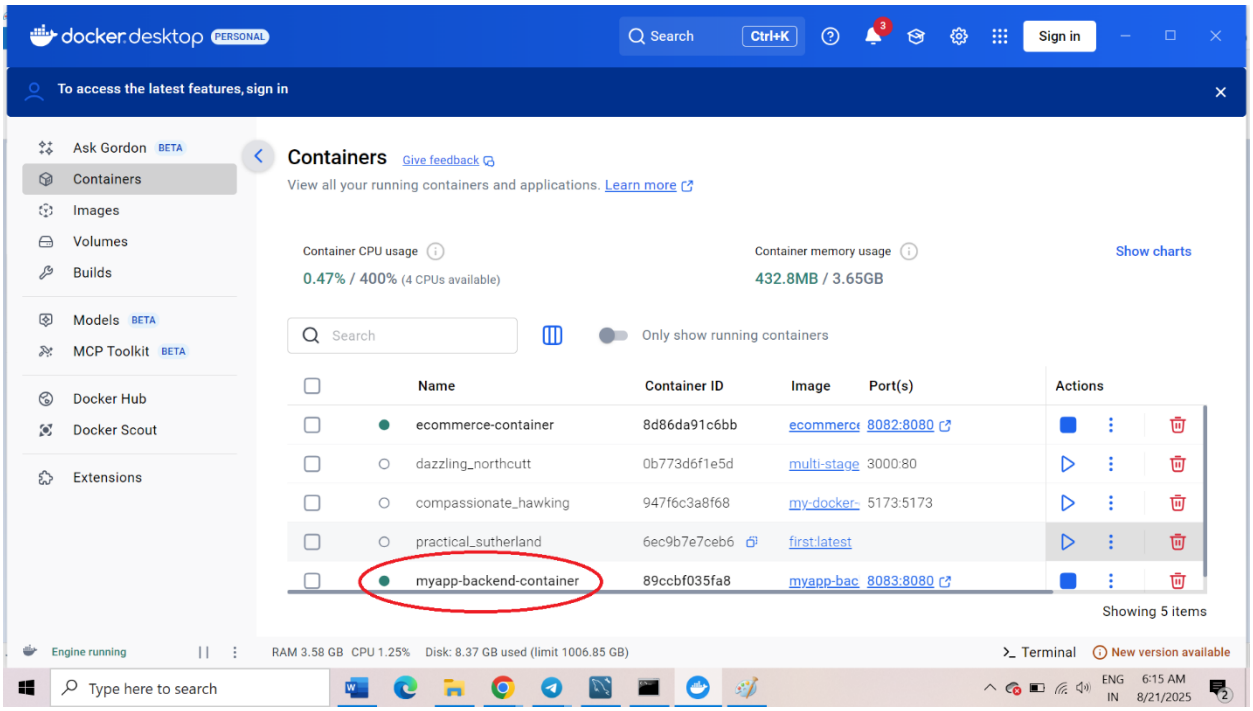
7. Save
8. Build Now



Verify the result

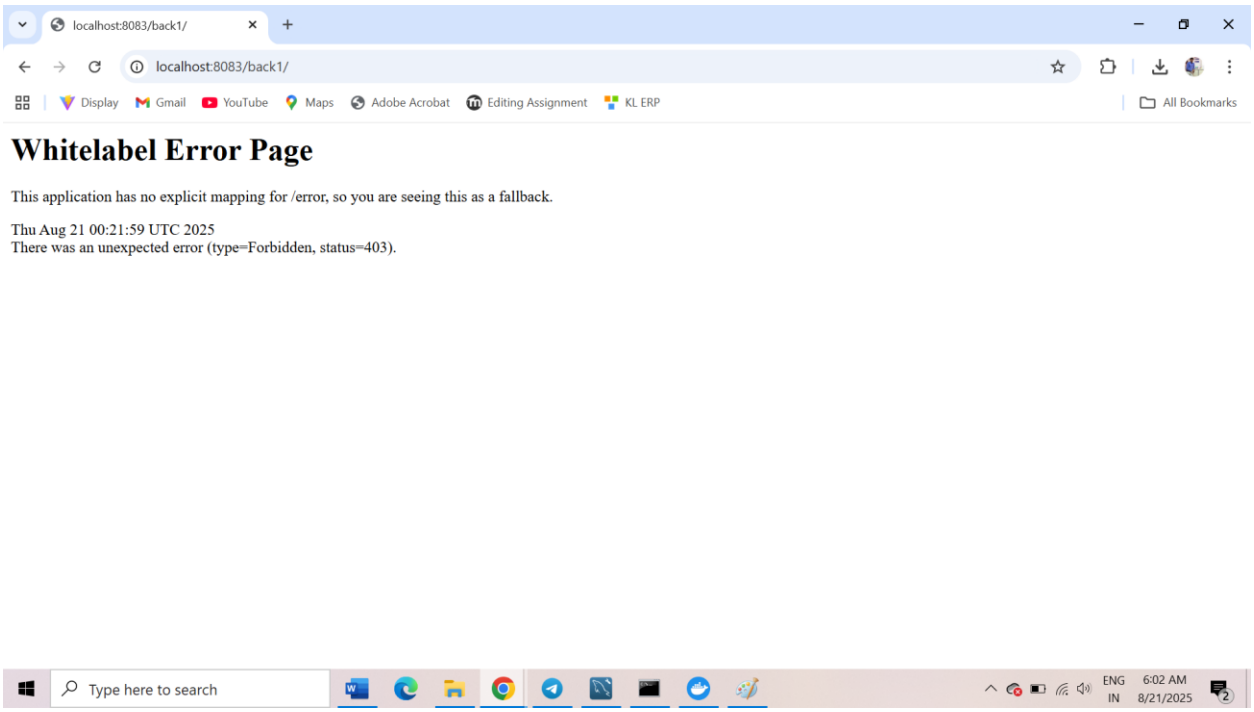
1. Open the docker desktop & see the image created and container is running.





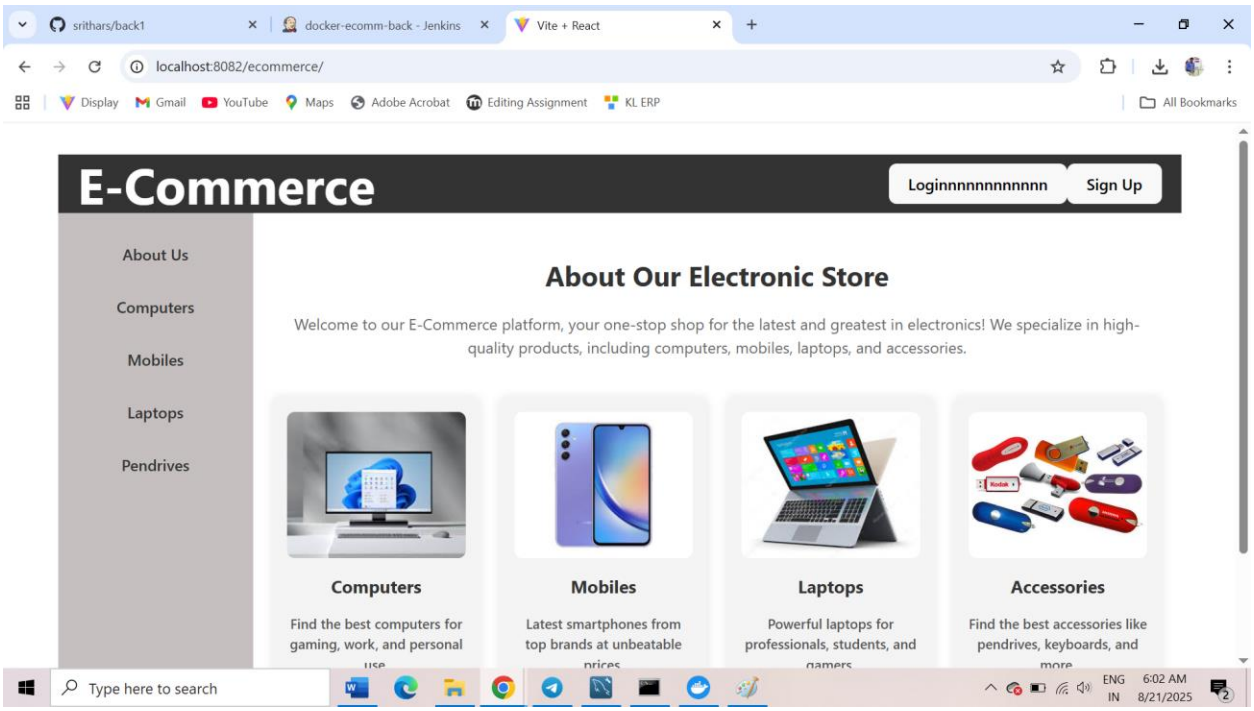
Now open,

Open **http://localhost:8083/back1/**



Already we executed the front-end in previous session.

opne, http://localhost:8082/ecommerce/



That’s all, now you can sign up, login. Both front and backend is connected through docker.