Assignment-4

Plasma Donor Application

Team ID: PNT2022TMID21208

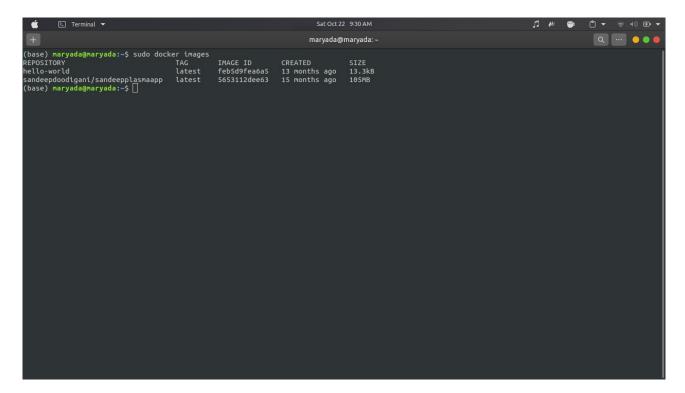
Team Leader : Arvin Danny C.S Team member : Nitin Vinayak S

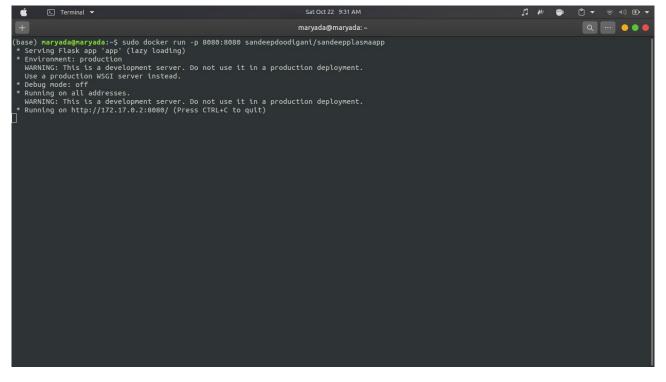
Team member : Maryada Kumar Lodha D.

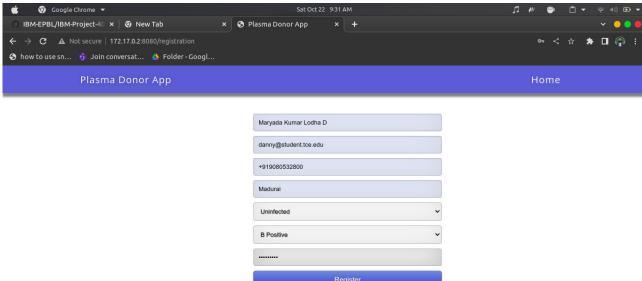
Team member : Shaambhavi S

1. Pull an Image from docker hub and run it in docker playground.

Pulled sandeepdoodigani/plasmaapplication and running in docker:



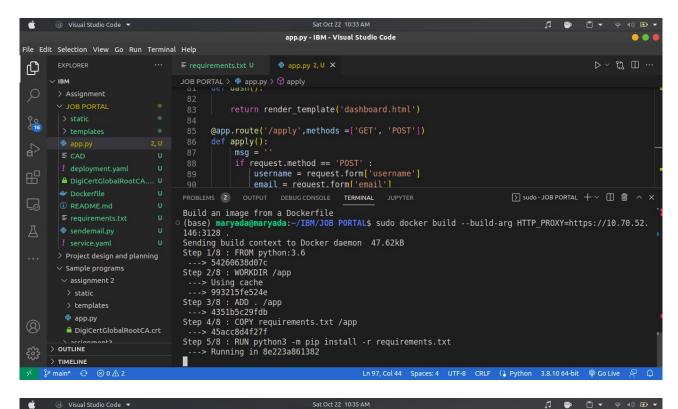


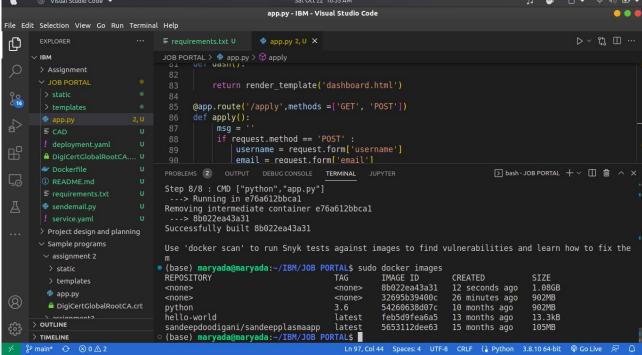


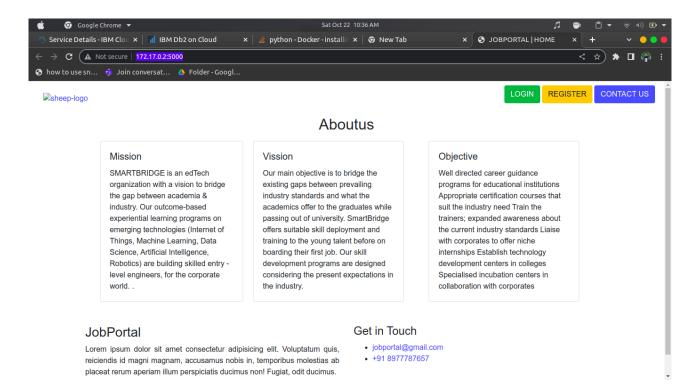
2. Create a docker file for the jobportal application and deploy it in Docker desktop application.

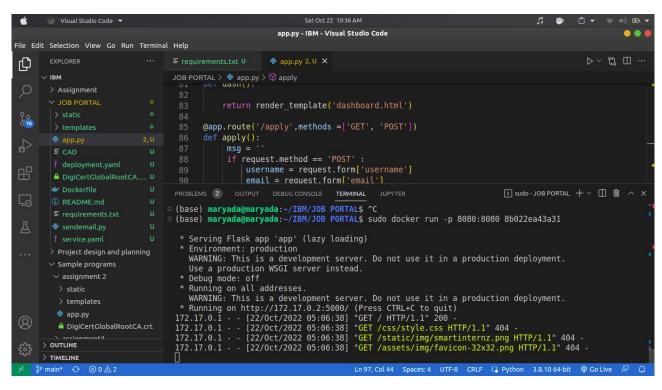
Dockerfile:
FROM python:3.6
WORKDIR /app
ADD . /app
COPY requirements.txt /app
RUN python3 -m pip install -r requirements.txt
RUN python3 -m pip install ibm_db
EXPOSE 5000

CMD ["python", "app.py"]

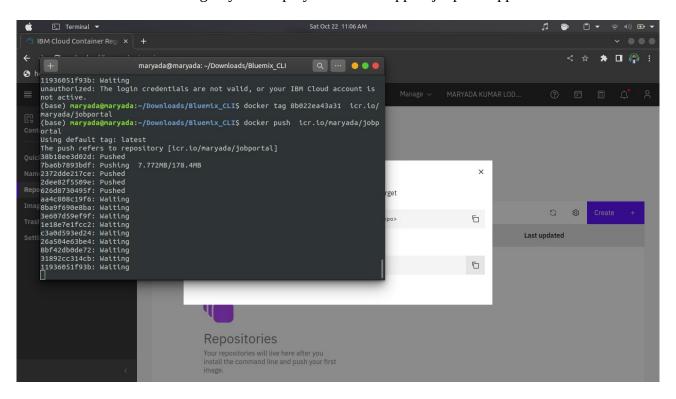


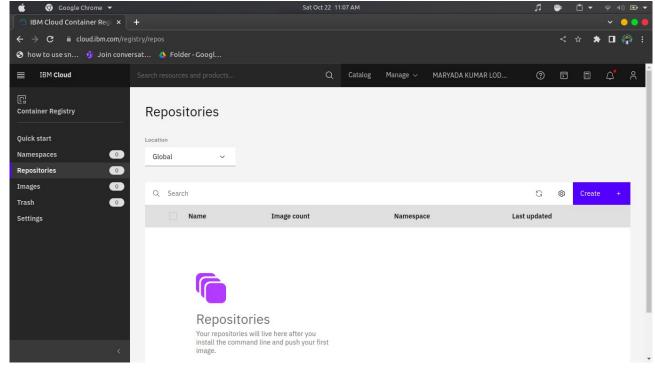


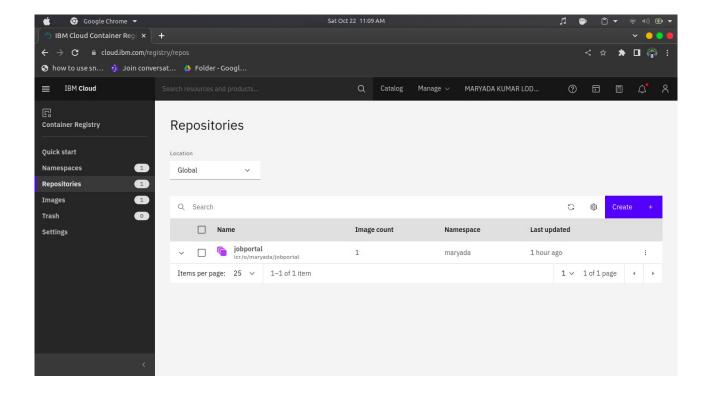




3. Create a IBM container registry and deploy helloworld app or jobportalapp.







4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

