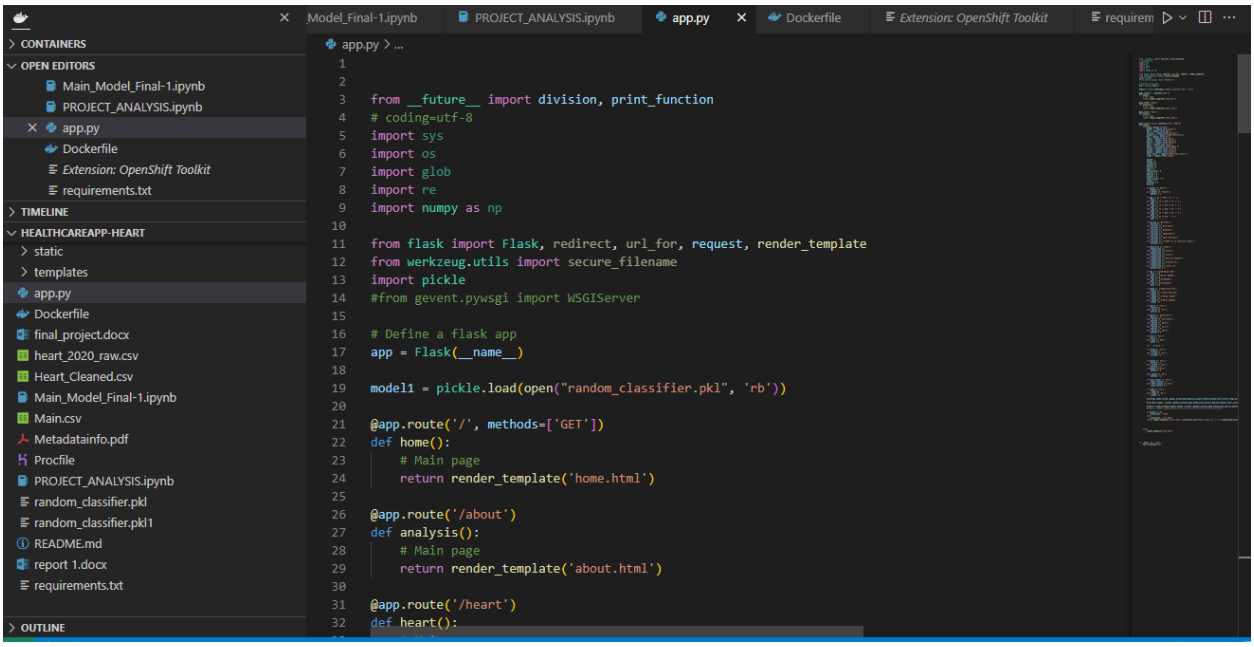
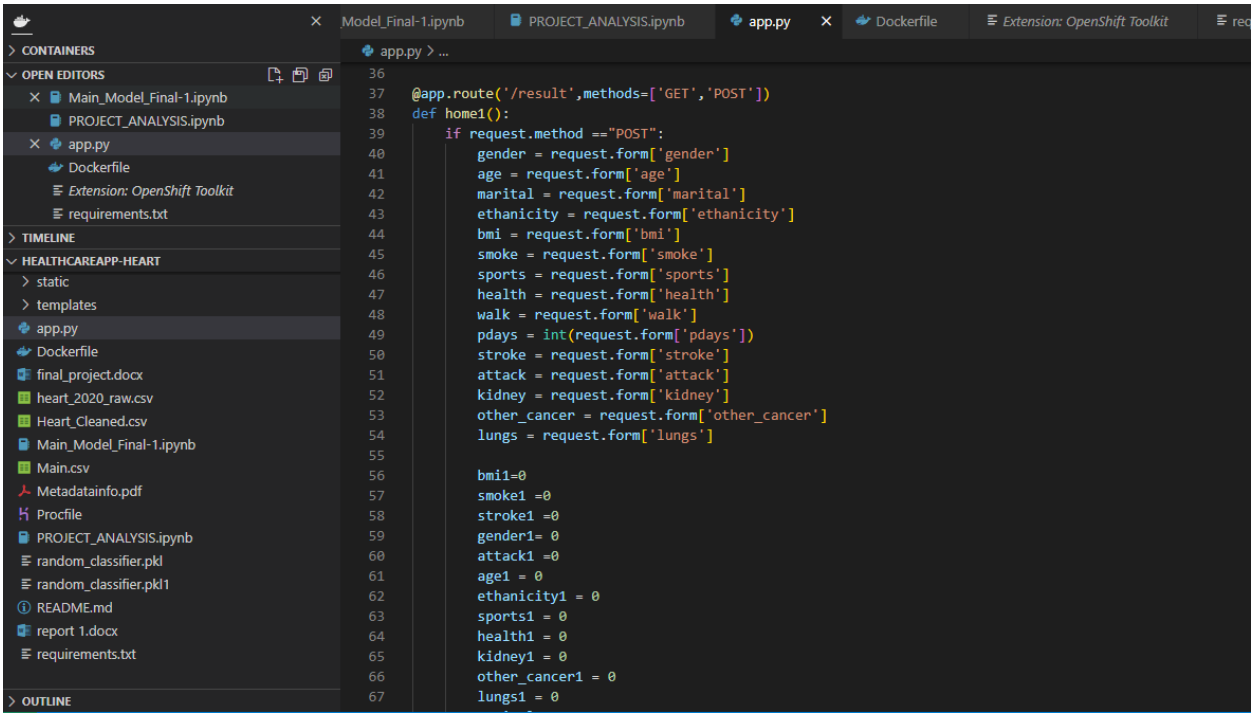
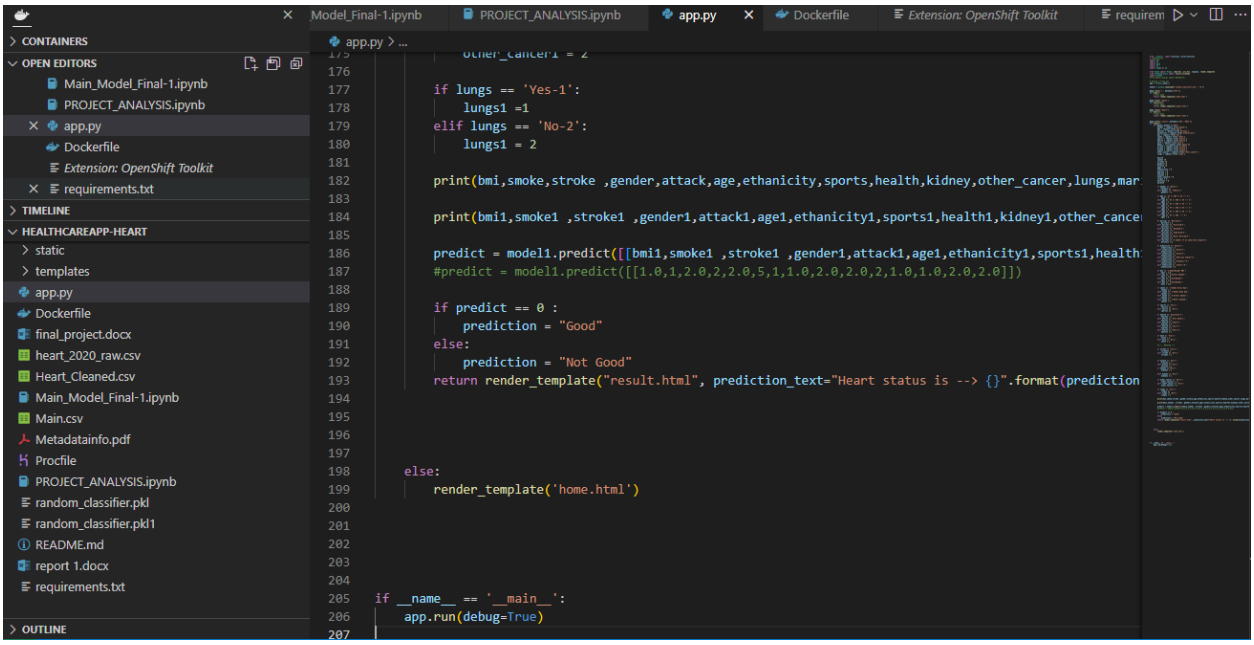
OPENSHIFT PROJECT DEPLOYMENT

STEP1: Create flask app



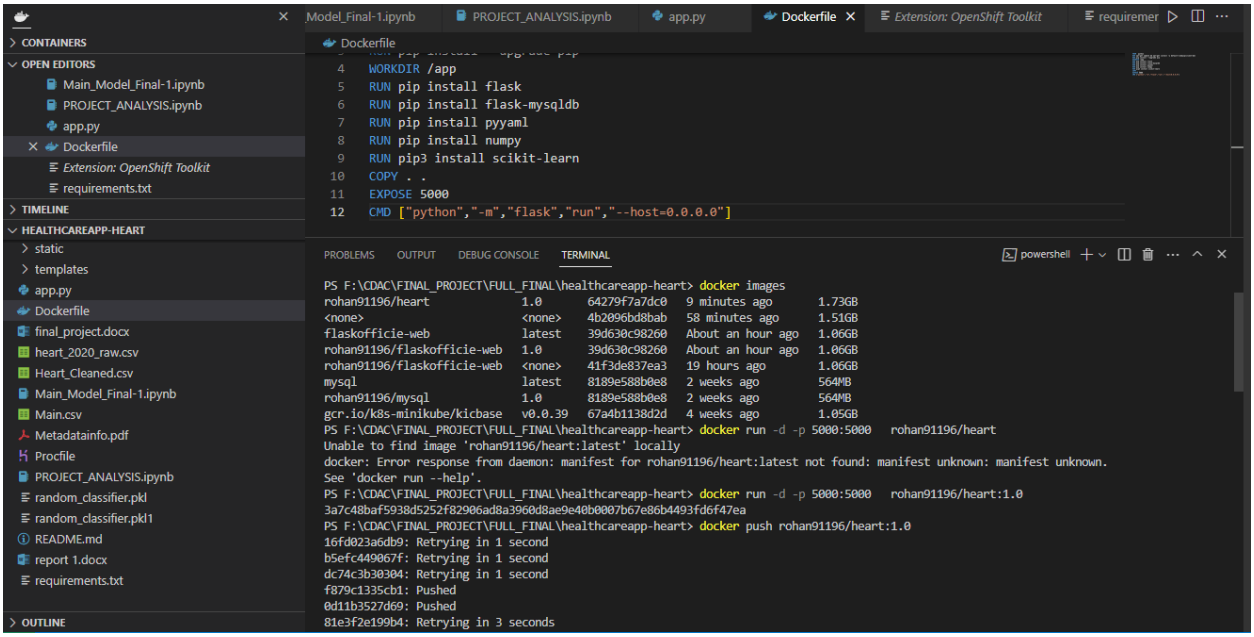




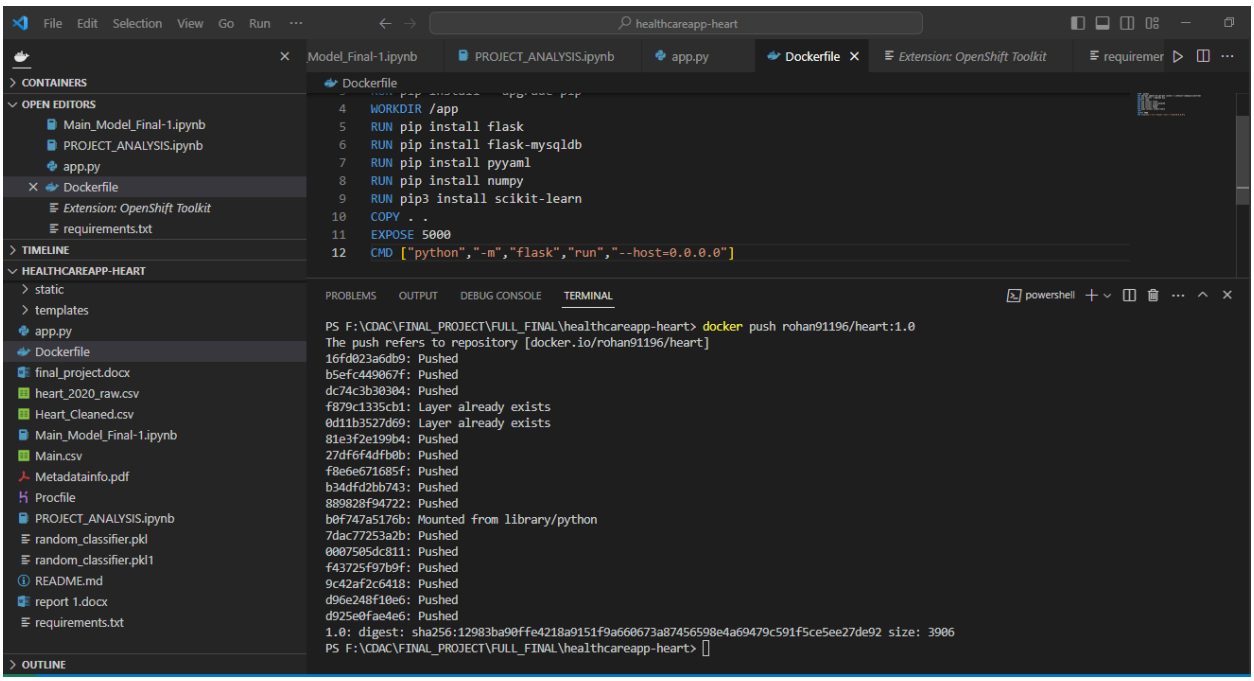
STEP 2: Create docker file

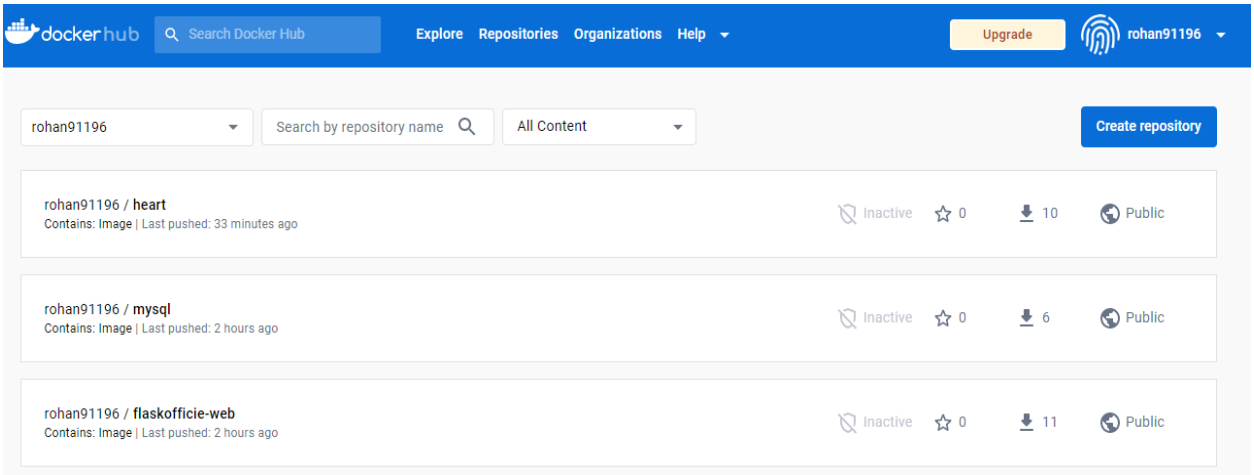
```
Dockerfile
1   FROM  python
2   RUN apt-get update && apt-get install -y default-libmysqlclient-dev
3   RUN pip install --upgrade pip
4   WORKDIR /app
5   RUN pip install flask
6   RUN pip install flask-mysqldb
7   RUN pip install pyyaml
8   RUN pip install numpy
9   RUN pip3 install scikit-learn
10  COPY . .
11  EXPOSE 5000
12  CMD ["python","-m","flask","run","--host=0.0.0.0"]
```

STEP 3: Create docker image

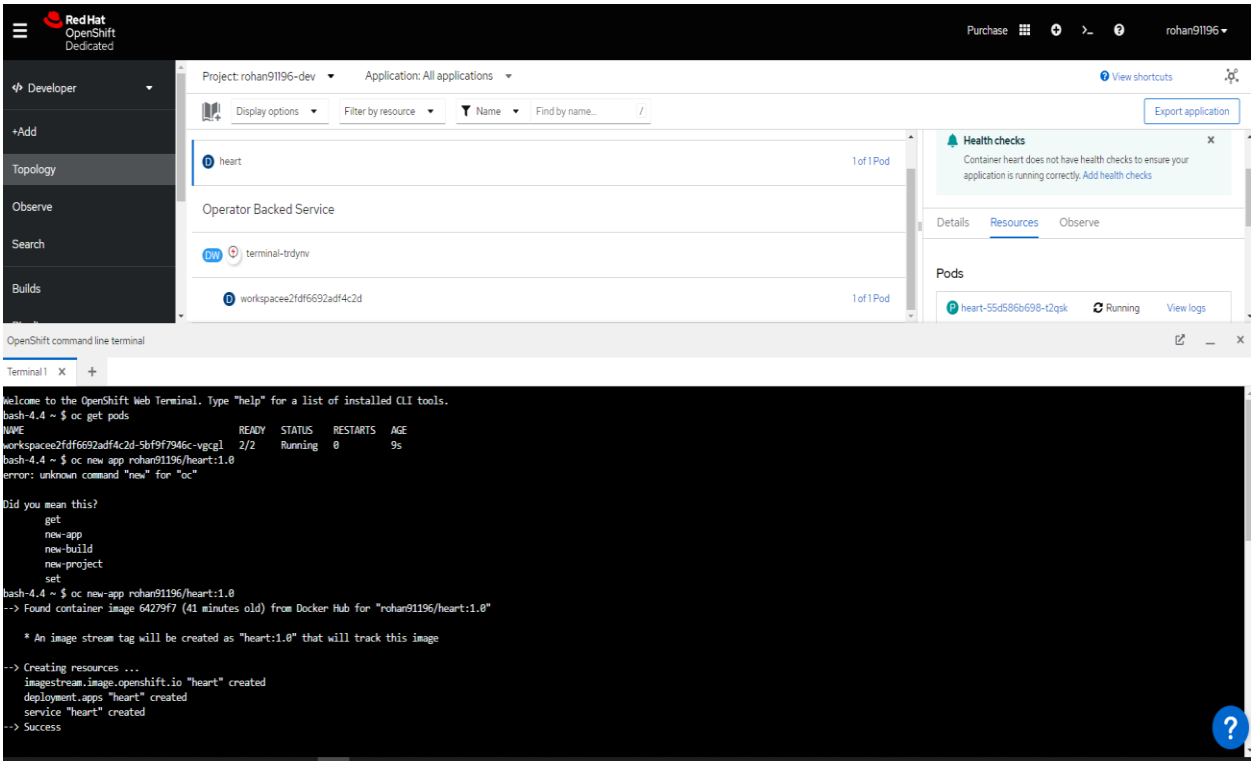


STEP 4: Push images to docker hub

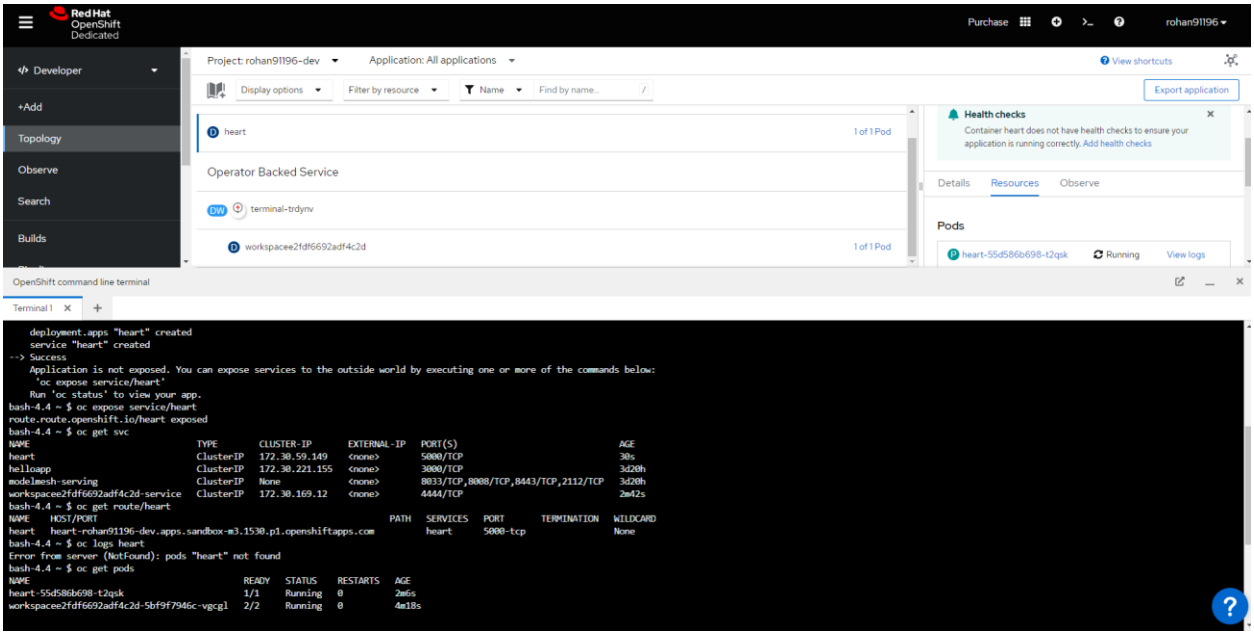




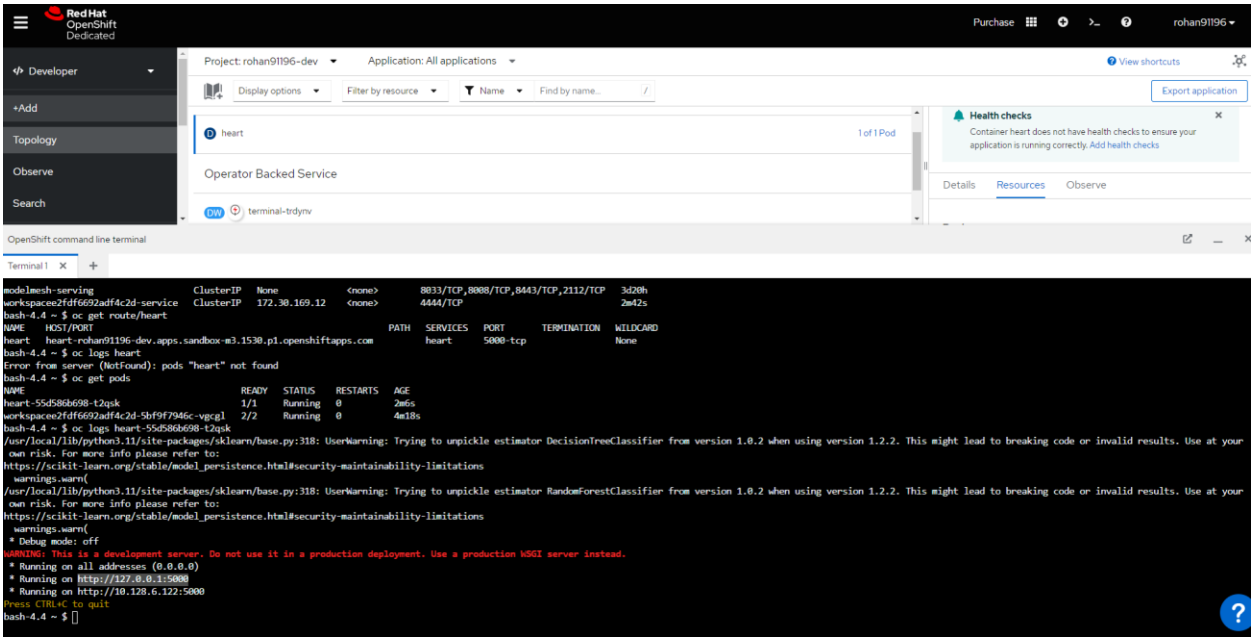
STEP 5: Create open shift pods using openshift cli with docker image



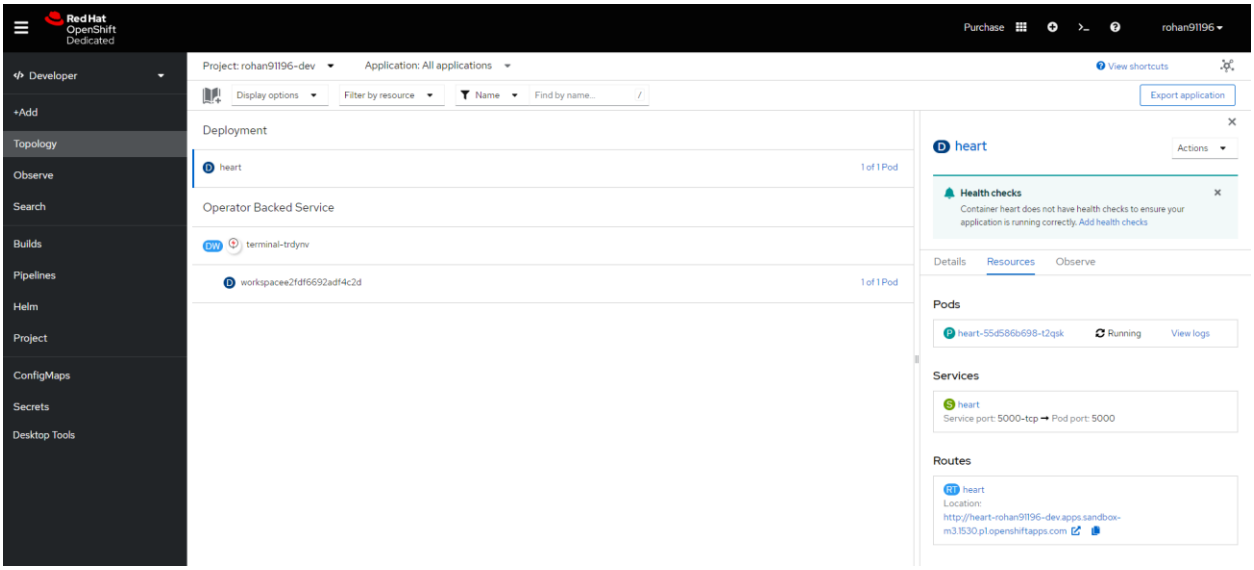
STEP 6: As pods are get created now exposing the services of pods



STEP 8: Exposing the route of pods and services

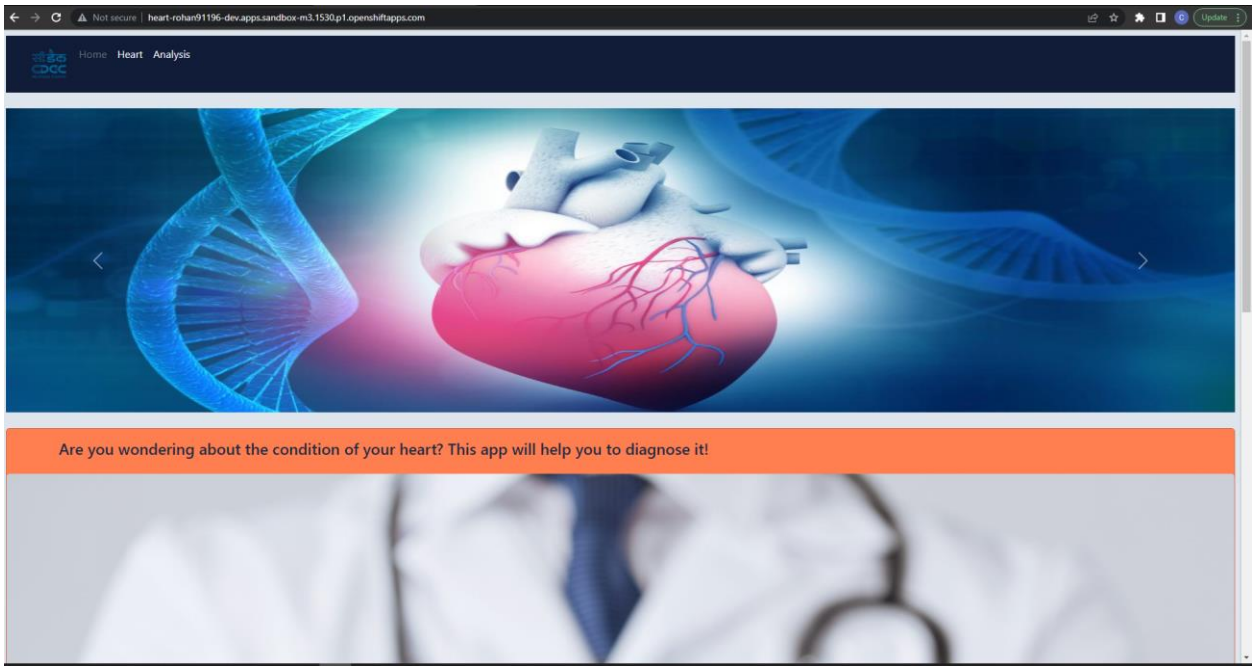


STEP 9: Checking pod status

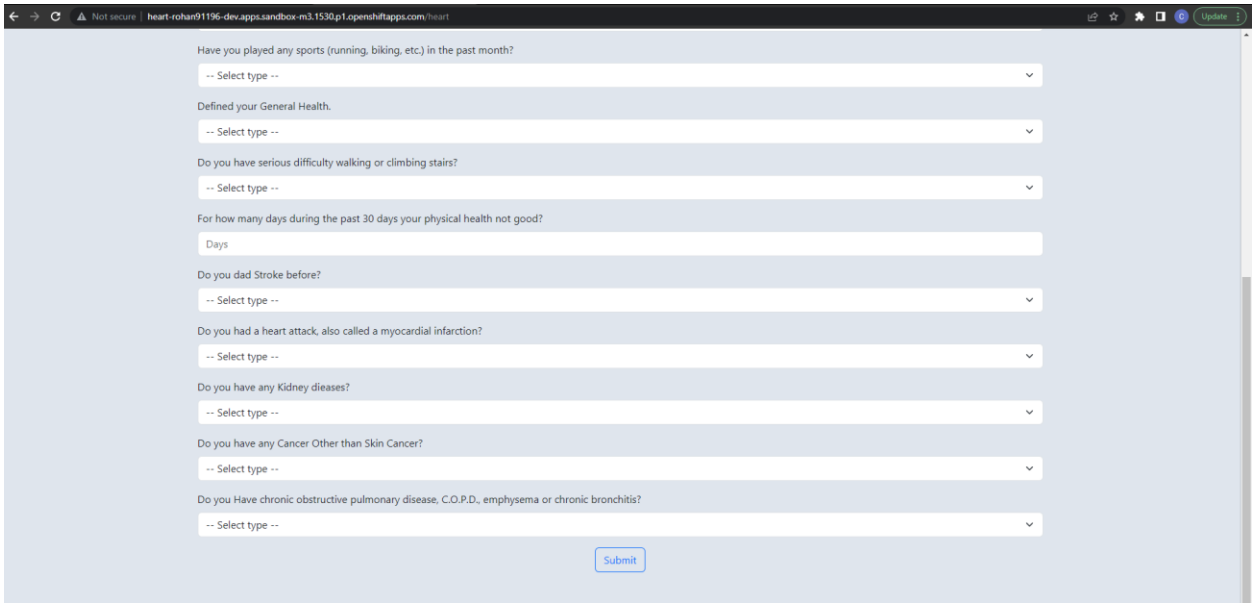


STEP 10: Opening the route and enjoying app

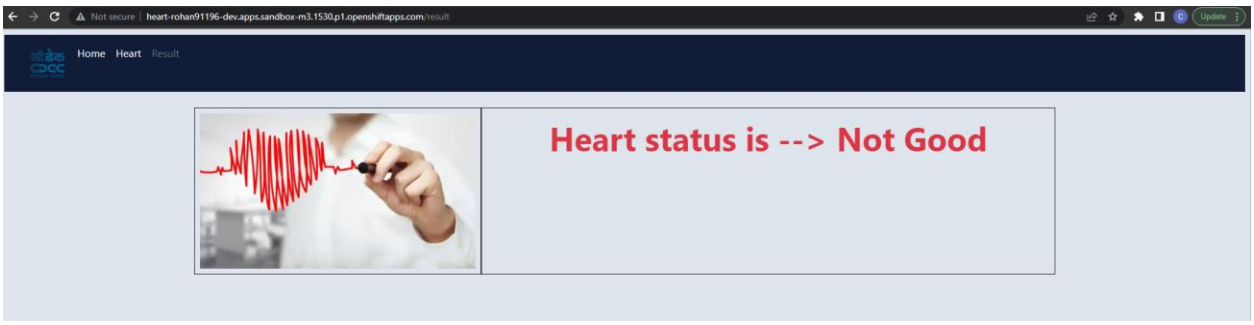
a. Home page



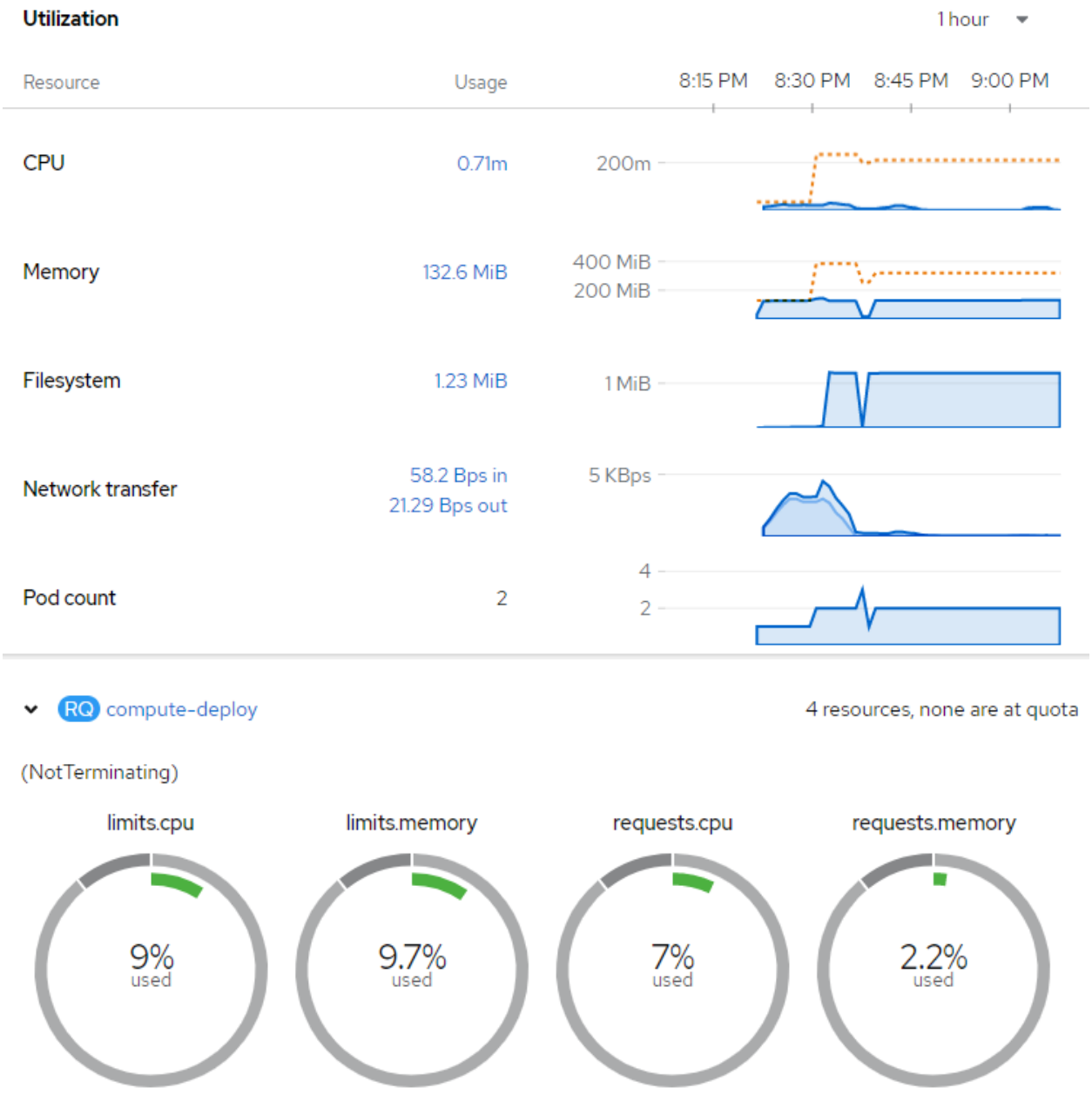
b. Parameter page



c. Result Page



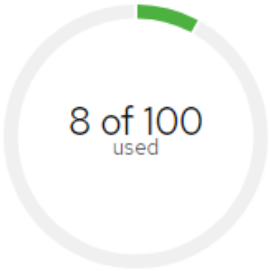
STEP 11: Summary Dashboard



ACRQ for-rohan91196-cm

1 resource, none are at quota

count/configmaps

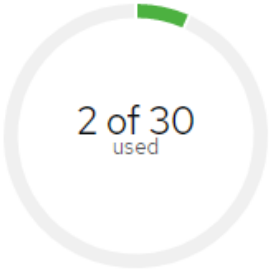


ACRQ for-rohan91196-deployments

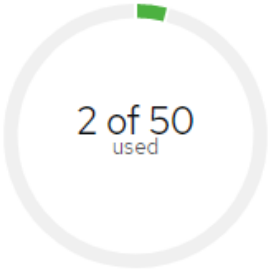
3 resources, none are at quota

count/deploymentconfi...

count/deployments.apps



count/pods



ACRQ for-rohan91196-secrets

1 resource, none are at quota

count/secrets

ACRQ for-rohan91196-services

1 resource, none are at quota

count/services