Project Development Phase

Delivery of Sprint - 4

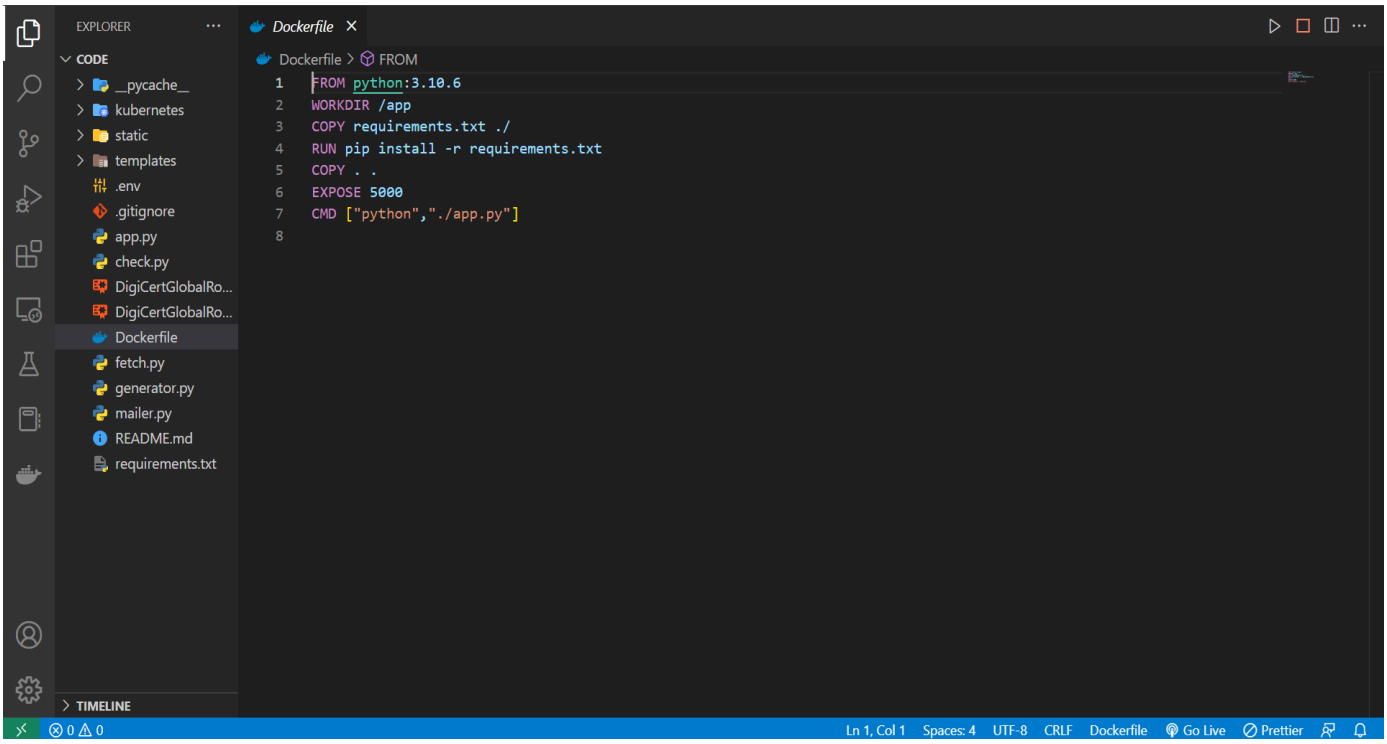
Date	18 November 2022
Team ID	PNT2022TMID43307
Project Name	Plasma Donor Application
Sprint	4

TEAM MEMBERS

ROLE	NAME	ROLL NO
TEAM LEADER	KESHAV ADITHYA SP	715519104020
TEAM MEMBER 1	M H N S SRIRAM RAJU	715519104026
TEAM MEMBER 2	NAVEENKUMAR S	715519104028
TEAM MEMBER 3	ABUBAKAR SIDDICK S	715519104004

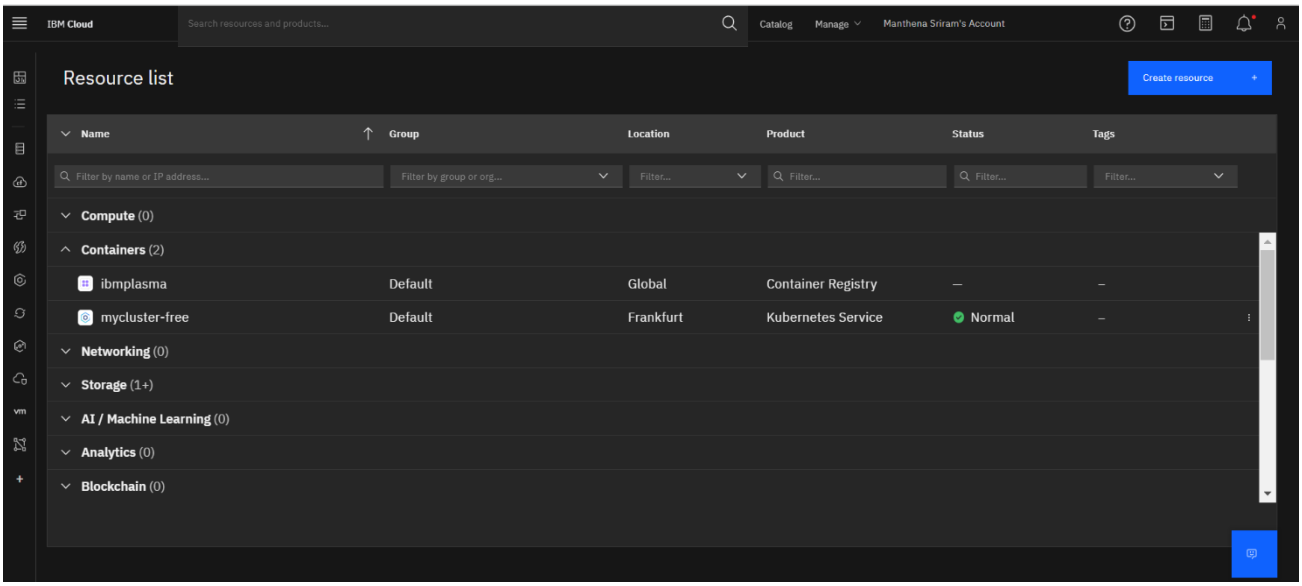
Progress – 1

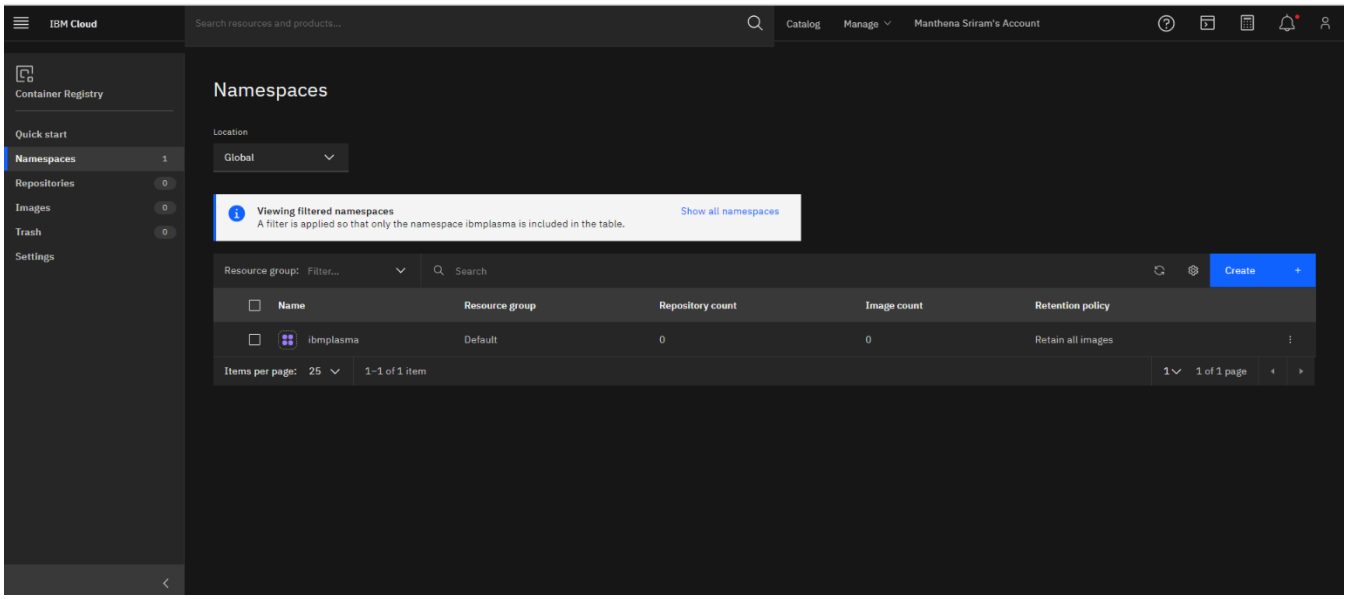
Building docker image using docker container

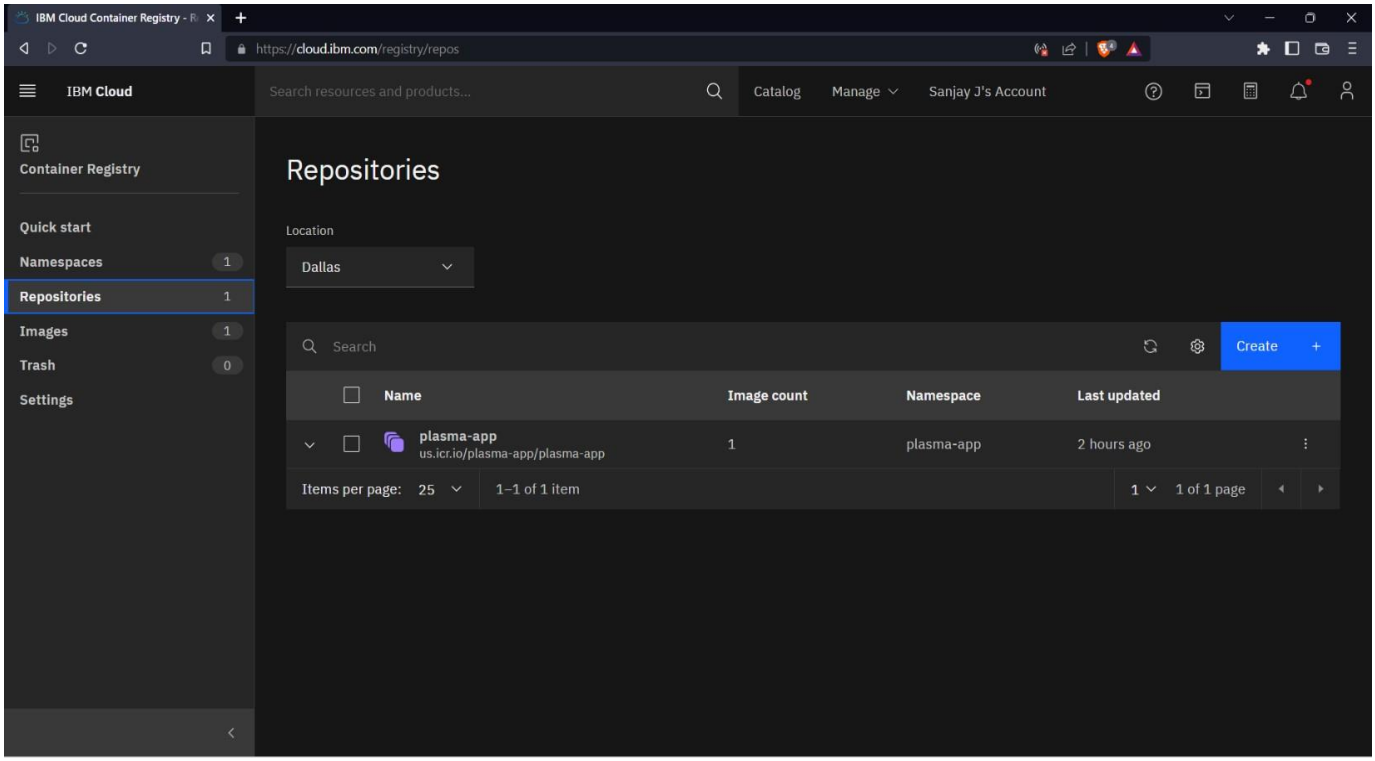


Progress 2

Uploading the Image to the IBM Container registry.

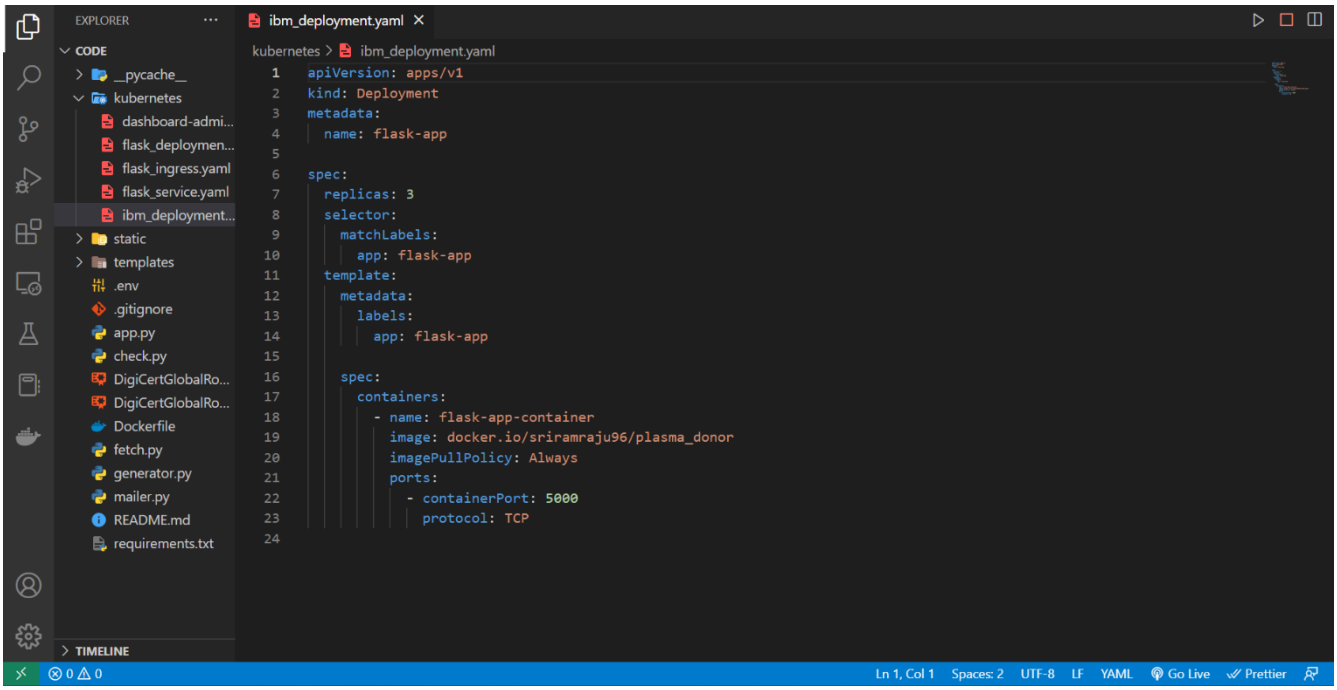



IBM Cloud
Search resources and products...
Catalog
Manage
Manthena Sriram's Account
Container Registry
Quick start
Namespaces 1
Repositories 0
Images 0
Trash 0
Settings
Namespaces
Location
Global
Viewing filtered namespaces
A filter is applied so that only the namespace ibmplasma is included in the table.
Show all namespaces
Resource group: Filter...
Search
Create
Name
Resource group
Repository count
Image count
Retention policy
ibmplasma
Default
0
0
Retain all images
Items per page: 25
1–1 of 1 item
1 of 1 page

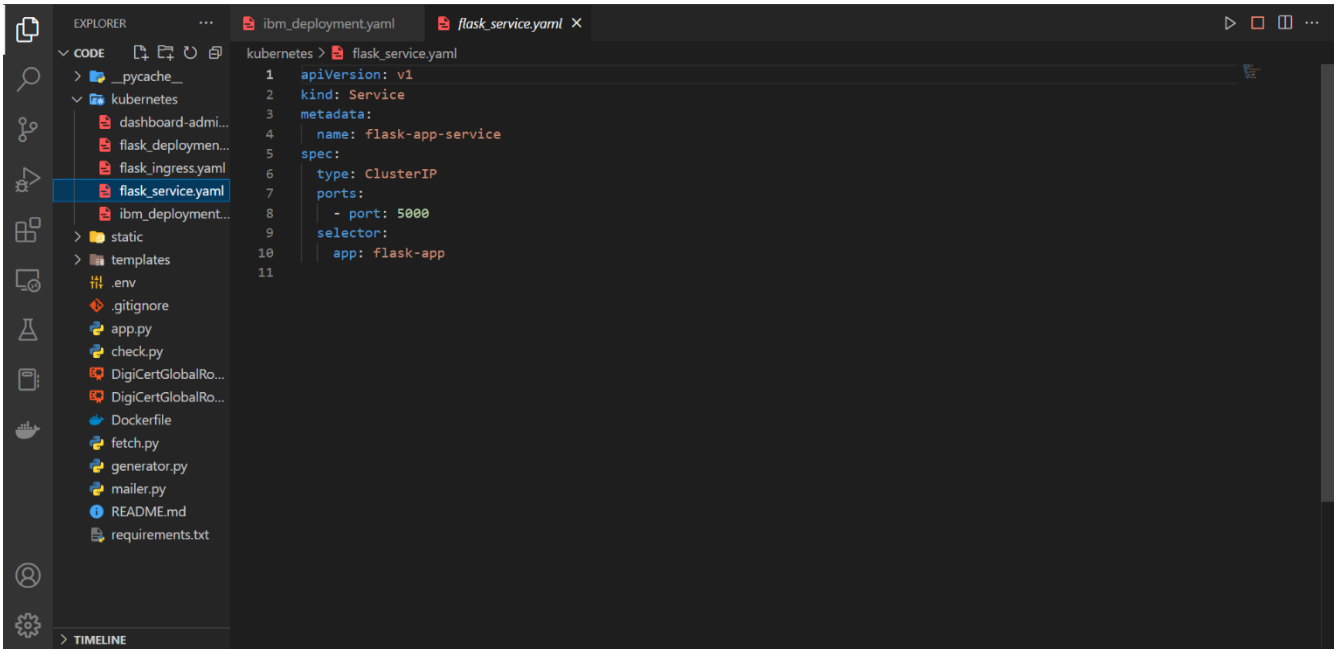

IBM Cloud Container Registry
https://cloud.ibm.com/registry/repos
IBM Cloud
Search resources and products...
Catalog
Manage
Sanjay J's Account
Container Registry
Quick start
Namespaces 1
Repositories 1
Images 1
Trash 0
Settings
Repositories
Location
Dallas
Search
Create
Name
Image count
Namespace
Last updated
plasma-app
us.icr.io/plasma-app/plasma-app
1
plasma-app
2 hours ago
Items per page: 25
1–1 of 1 item
1 of 1 page

Progress 3

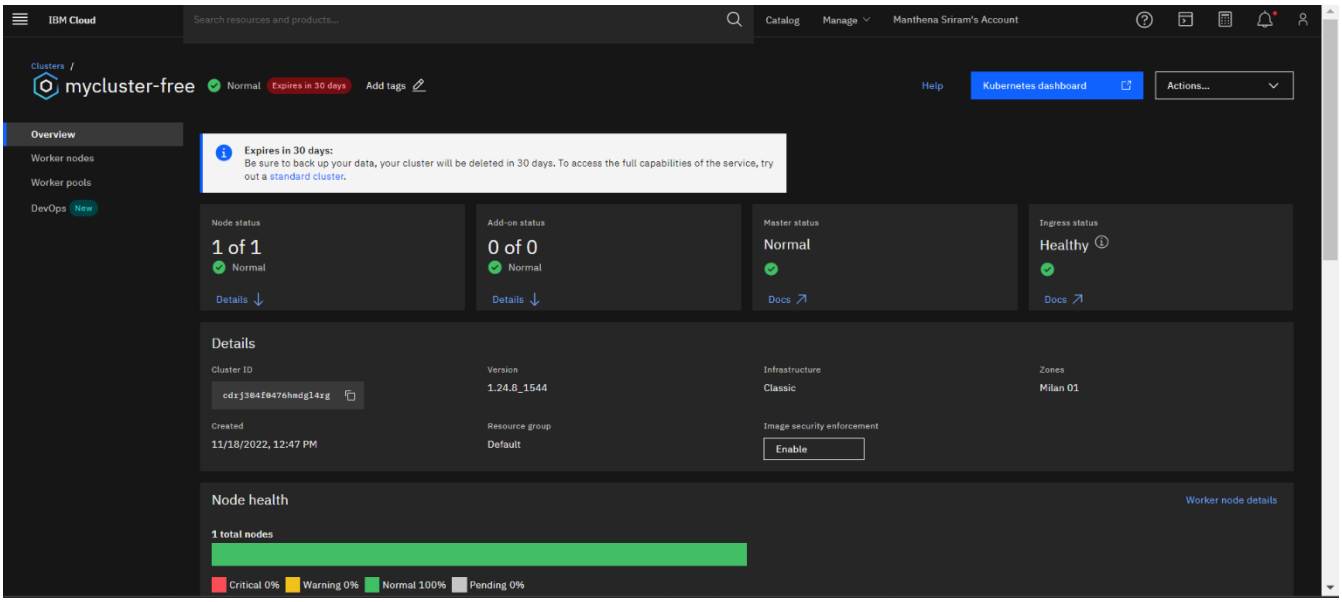
Deploy the image in Kubernetes cluster.

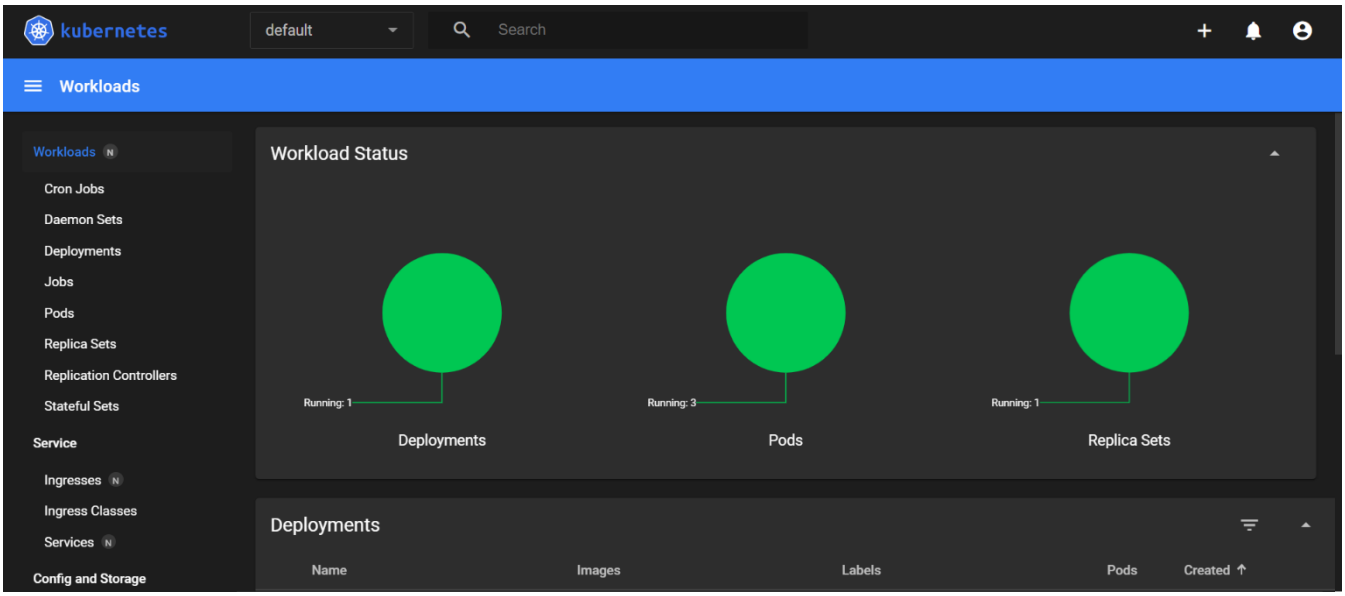



```yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: flask-app

spec:
  replicas: 3
  selector:
    matchLabels:
      app: flask-app
  template:
    metadata:
      labels:
        app: flask-app

    spec:
      containers:
        - name: flask-app-container
          image: docker.io/sriramraju96/plasma_donor
          imagePullPolicy: Always
          ports:
            - containerPort: 5000
              protocol: TCP
```




```yaml
apiVersion: v1
kind: Service
metadata:
  name: flask-app-service
spec:
  type: ClusterIP
  ports:
    - port: 5000
  selector:
    app: flask-app
```





--- Completed Sprint – 4 ---