

Github link:

<https://github.com/karimnihal/603MLO/tree/main/lab9app>

## Local Minikube Deployment - Terminal

```
replicas: 2
selector:
  matchLabels:
    app: reddit-classifier
template:
  metadata:
    labels:
      app: reddit-classifier
  spec:
    containers:
      - name: reddit-classifier
        image: redditapp:v1
        ports:
          - containerPort: 5050
13:40:28 nk13:~/gitRepos/mlops-msds603-nk/lab9app % kubectl delete deployment reddit-classifier
deployment.apps "reddit-classifier" deleted
13:40:37 nk13:~/gitRepos/mlops-msds603-nk/lab9app % kubectl delete service reddit-classifier
service "reddit-classifier" deleted
13:40:42 nk13:~/gitRepos/mlops-msds603-nk/lab9app % kubectl apply -f k8s/minikube/reddit_deployment.yaml
deployment.apps/reddit-classifier created
13:40:50 nk13:~/gitRepos/mlops-msds603-nk/lab9app % kubectl expose deployment reddit-classifier --type=NodePort --port=5050
service/reddit-classifier exposed
13:40:55 nk13:~/gitRepos/mlops-msds603-nk/lab9app % minikube service reddit-classifier
```

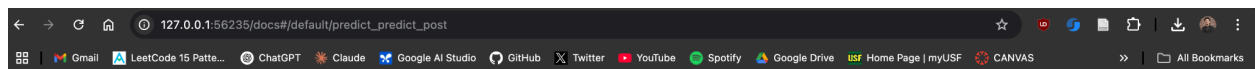
| NAMESPACE | NAME              | TARGET PORT | URL                       |
|-----------|-------------------|-------------|---------------------------|
| default   | reddit-classifier | 5050        | http://192.168.49.2:31853 |

Starting tunnel for service reddit-classifier.

| NAMESPACE | NAME              | TARGET PORT | URL                    |
|-----------|-------------------|-------------|------------------------|
| default   | reddit-classifier |             | http://127.0.0.1:56235 |

Opening service default/reddit-classifier in default browser...  
Because you are using a Docker driver on darwin, the terminal needs to be open to run it.

## Local Minikube Deployment - Browser /docs page



### Reddit Comment Classifier 0.1 OAS 3.1

/openapi.json

Classify Reddit comments as either 1 = Remove or 0 = Do Not Remove.

default

GET / Root

POST /predict Predict

Parameters

Try it out

No parameters

Request body required

application/json

Example Value | Schema

```
{
  "reddit_comment": "string"
}
```

Responses

| Code | Description         | Links    |
|------|---------------------|----------|
| 200  | Successful Response | No links |

## GKE Deployment - Terminal

```
14:20:49 nk13:~/gitRepos/mlops-msds603-nk/lab9app % kubectl get services
NAME          TYPE          CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
kubernetes    ClusterIP     34.118.224.1  <none>         443/TCP          8m58s
reddit-service LoadBalancer  34.118.226.51  34.94.45.222   80:30557/TCP     78s
o 14:21:29 nk13:~/gitRepos/mlops-msds603-nk/lab9app %
```

## GKE Deployment - Browser /docs page

Not Secure 34.94.45.222/docs#/default/predict\_predict\_post

Reddit Comment Classifier 0.1 OAS 3.1

/openapi.json

Classify Reddit comments as either 1 = Remove or 0 = Do Not Remove.

default

GET / Root

POST /predict Predict

Parameters

No parameters

Try it out

Request body required

application/json

Example Value | Schema

```
{
  "reddit_comment": "string"
}
```

Responses

| Code | Description         | Links    |
|------|---------------------|----------|
| 200  | Successful Response | No links |