1) Screenshot of terminal launching app with minikube

```
ops) jfuent02 cd -/Documents/USFDS/Spring2025-02/MLOps/mlops/Labs/Lab89 % $ minikube start minikube v1.35.0 on Darwin 14.5 (arm64)
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v8.0.46 ...
Restarting existing docker container for "minikube" ...
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
Verifying Kubernetes v0.32.0 on Docker 27.4.1 ...
Using image docker.io/kubernetesui/dashboard:v2.7.0

• Using image docker.io/kubernetesui/dashboard:v2.7.0

• Using image docker.io/kubernetesui/metrics-scraper:v1.0.8

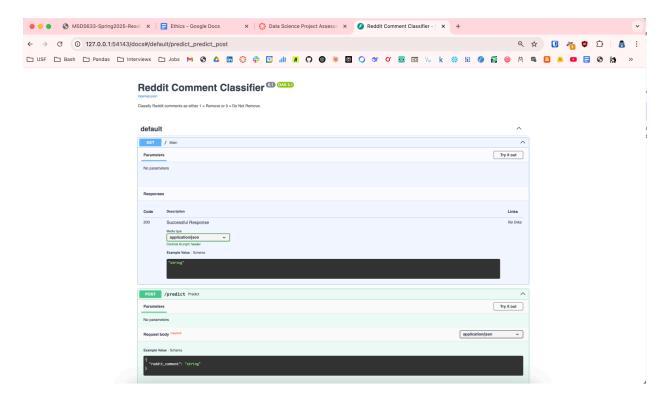
Some dashboard features require the metrics-server addon. To enable all features please run:
             minikube addons enable metrics-server
     Enabled addons: storage-provisioner, dashboard, default-storageclass
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
pops) jfuent02 cd ~/Documents/USFDS/Spring2025-02/MLOps/mlops/Labs/Lab09 % $ eval $(minikube docker-env)
pps) jfuent02 cd ~/Documents/USFDS/Spring2025-02/MLOps/mlops/Labs/Lab09 % $ docker build -t reddit-app
+] Building 25.9s (12/12) FINISHED
                                                                                                                                                                                                                                  docker:default
                      .g. 1000
brary/python:pull token for registry-1.docker.io
] load .dockerignore
erring context: 28
M docker.io/lihoo
iew build details: docker-desktop://dashboard/build/default/default/8iry5ptgffemzxizcja7snbtt
                                                                 FDS/Spring2025-02/MLOps/mlops/Labs/Lab809 % $ eval $(minikube docker-env --unset)
FDS/Spring2025-02/MLOps/mlops/Labs/Lab809 % $ kubectl apply -f reddit_deployment.yaml
                                                                FDS/Spring2025-02/MLOps/mlops/Labs/Lab09 % $ kubectl apply -f reddit_service.yaml
   Starting tunnel for service reddit-service.
 NAMESPACE | NAME | TARGET PORT | URL

default | reddit-service | | http://127.0.0.1:54143
     Opening service default/reddit-service in default browser...
Because you are using a Docker driver on darwin, the terminal needs to be open to run it
```

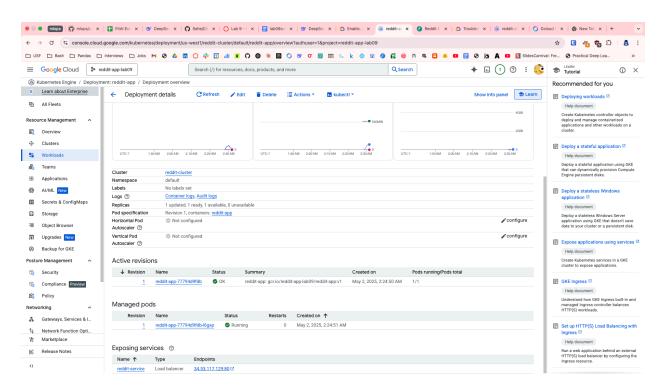
Some extra proof

```
[(mlops) jfuent02 cd ~/Documents/USFD
NAME
                                                                                $ kubectl get pods
                                      READY
                                              STATUS
                                                                         AGE
                                                        RESTARTS
                                                        1 (6m18s ago)
mlflow-deployment-655dcb78c7-2rt8k
                                      1/1
                                              Running
                                                                         17d
mlflow-deployment-655dcb78c7-c5nsh
                                      1/1
                                              Running
                                                        1 (6m18s ago)
                                                                         17d
mlflow-deployment-655dcb78c7-zzqmf
                                              Running
                                                        1 (6m18s ago)
                                                                         17d
reddit-app-5669d97658-86nhq
                                      1/1
                                              Running
                                                                         4m16s
(mlops) jfuent02 cd ~/Documents/USFDS/Spring2025-02/MLOps/mlops/Labs/Lab09 % $ kubectl get deployments
NAME
                      READY
                             UP-TO-DATE
                                            AVAILABLE
                                                        AGE
                                            0
kubernetes-bootcamp
                      0/0
                              0
                                                        21d
mlflow-deployment
                      3/3
                                                        17d
reddit-app
                      1/1
                              1
                                                        4m19s
(mlops) jfuent02 cd ~/Documents/USFDS/Spring2025-02/MLOps/mlops/Labs/Lab09 % $ kubectl get services
NAME
                                      CLUSTER-IP
                                                       EXTERNAL-IP PORT(S)
                                                                                       AGE
                      TYPE
                                     10.96.0.1
10.108.234.123
10.99.237.21
                      ClusterIP
                                                                      443/TCP
                                                                                       21d
kubernetes
                                                       <none>
kubernetes-bootcamp
                                                                      8080:30804/TCP
                      NodePort
                                                       <none>
                                                                                       21d
mlflow-service
                      NodePort
                                                                      5000:30000/TCP
                                                                                       17d
                                                       <none>
                      LoadBalancer
                                     10.98.216.189
                                                                      8000:31686/TCP
reddit-service
                                                        <pending>
                                                                                       4m9s
(mlops) jfuent02 cd ~/Documents/USFDS/Spring2025-02/MLOps/mlops/Labs/Lab09 % $
```

2) App running locally using minikube



3) Running in gcp



4) App running with url given

