

# MLOps Assignment 1 Screenshots

## Group 60:

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## Screenshot: Docker Desktop 1 (Containers)

The screenshot shows the Docker Desktop interface with the 'Containers' tab selected. On the left, there's a sidebar with icons for Ask Gordon, Containers, Images, Volumes, Kubernetes (which is highlighted), Builds, Models, MCP Toolkit, Docker Hub, Docker Scout, and Extensions. The main area displays a table of running containers:

	Name	Container ID	Image	Port(s)	Actions
○	condescending_d8d58360171a	d8d58360171a	heart-disea	8000:8000	▷ ⋮ 🗑
○	competent_gate_8ab9c924cf35	8ab9c924cf35	heart-disea	8000:8000	▷ ⋮ 🗑
○	sad_pasteur_5516cf8e3d33	5516cf8e3d33	heart-disea		▷ ⋮ 🗑
●	k8s_heart-conta_8cf01b753f69	8cf01b753f69	ac0ba41c4		■ ⋮ 🗑

Below the table, it says 'Showing 4 items'. On the right, there are two charts: 'Container CPU usage' (0.18% / 600% of 6 CPUs available) and 'Container memory usage' (126.4MB / 3.43GB). At the bottom, resource usage is shown as RAM: 2.91 GB, CPU: 4.56%, and Disk: 10.02 GB used (limit 1006.85 GB).

## Screenshot: Docker Desktop 2 (Images)

The screenshot shows the Docker Desktop interface with the 'Images' tab selected. The sidebar on the left includes 'Ask Gordon BETA', 'Containers', 'Images', 'Volumes', 'Kubernetes' (highlighted), 'Builds', 'Models', 'MCP Toolkit BETA', 'Docker Hub', 'Docker Scout', and 'Extensions'. The main area shows a table of local images:

	Name	Tag	Image ID	Created	Size	Actions
●	heart-disease-api	v4	ac0ba41c463b	1 hour ago	1.47 GB	▷ ⋮
○	heart-disease-api	v3	b60f964756c7	2 hours ago	1.47 GB	▷ ⋮
○	heart-disease-api	latest	6e1c0489ba38	2 hours ago	1.47 GB	▷ ⋮
●	heart-disease-api	v1	d1fbef48bd27	2 hours ago	1.47 GB	▷ ⋮

On the right, there are two charts: 'Container CPU usage' (0.19% / 600% of 6 CPUs available) and 'Container memory usage' (953.67 MB). At the bottom, resource usage is shown as RAM: 2.15 GB, CPU: 4.56%, and Disk: 3.81 GB in use (limit 1006.85 GB).

## Screenshot: Docker Desktop 3 (Kubernetes)

The screenshot shows the Docker Desktop interface with the 'Kubernetes' tab selected. The sidebar on the left includes 'Ask Gordon BETA', 'Containers', 'Images', 'Volumes', 'Kubernetes' (highlighted), 'Builds', 'Models', 'MCP Toolkit BETA', 'Docker Hub', 'Docker Scout', and 'Extensions'. The main area is divided into two sections: 'Nodes' and 'Services'.

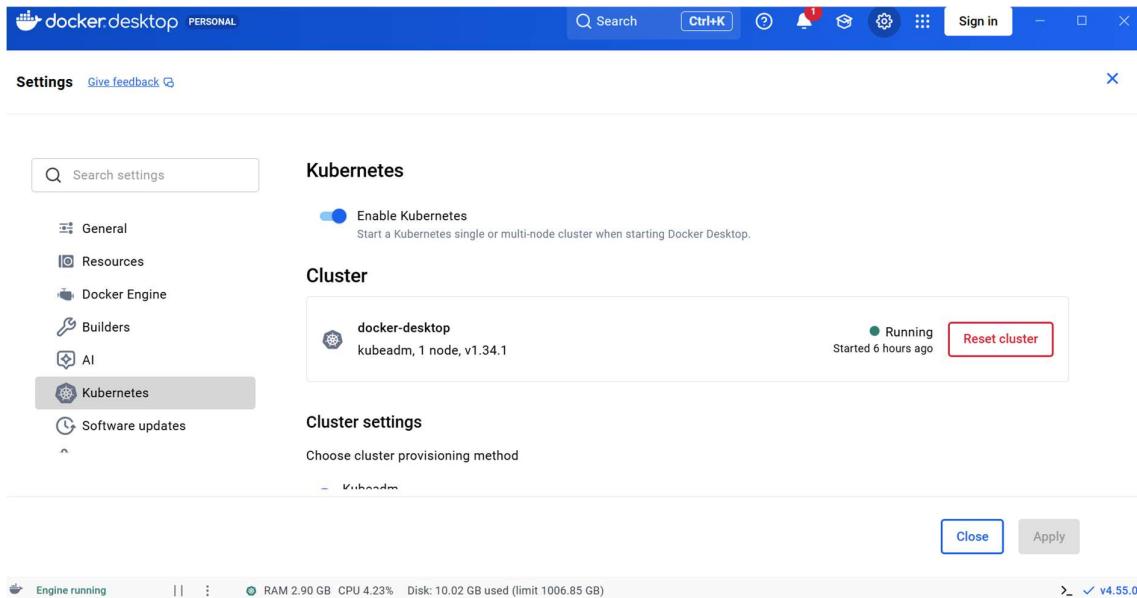
**Nodes:**

Name	Status
docker-desktop	Ready

**Services:**

Name	Cluster IP	Ports
kubernetes	10.96.0.1	443/TCP
heart-service	10.105.66.79	8081/TCP

## Screenshot: Docker Desktop 4 (Settings)



## Screenshot: PowerShell Output Prediction

```
Windows PowerShell

INFO: Shutting down
INFO: Waiting for application shutdown.
INFO: Application shutdown complete.
INFO: Finished server process [1]
(venv) PS C:\Users\Amod Puranik\Dropbox\My PC (LAPTOP-U2DVTUK7)\Desktop\Group60-MLOps> kubectl apply -f k8s/deployment.yaml
deployment.apps/heart-api unchanged
service/heart-service unchanged
(venv) PS C:\Users\Amod Puranik\Dropbox\My PC (LAPTOP-U2DVTUK7)\Desktop\Group60-MLOps> kubectl apply -f k8s/service.yaml

service/heart-service unchanged
(venv) PS C:\Users\Amod Puranik\Dropbox\My PC (LAPTOP-U2DVTUK7)\Desktop\Group60-MLOps> kubectl get pods
NAME          READY   STATUS    RESTARTS   AGE
heart-api-855977fb4-mq6xk  1/1     Running   2 (43m ago)  48m
heart-api-855977fb4-psjnp  1/1     Running   2 (43m ago)  48m
(venv) PS C:\Users\Amod Puranik\Dropbox\My PC (LAPTOP-U2DVTUK7)\Desktop\Group60-MLOps> $body = @{
>> age=63; sex=1; cp=3; trestbps=145; chol=233;
>> fbs=1; restecg=0; thalach=150; exang=0;
>> oldpeak=2.3; slope=0; ca=0.0; thal=1.0
>> } | ConvertTo-Json
(venv) PS C:\Users\Amod Puranik\Dropbox\My PC (LAPTOP-U2DVTUK7)\Desktop\Group60-MLOps>
(venv) PS C:\Users\Amod Puranik\Dropbox\My PC (LAPTOP-U2DVTUK7)\Desktop\Group60-MLOps> Invoke-WebRequest -Uri "http://localhost/predict" -Method Post -Body $body -ContentType "application/json"

prediction label      confidence
----- -----
1 Heart Disease 0.7966234466631633

(venv) PS C:\Users\Amod Puranik\Dropbox\My PC (LAPTOP-U2DVTUK7)\Desktop\Group60-MLOps> |
```

## Screenshot: Web UI

Heart Disease API 0.1.0 OAS 3.1  
/openapi.json

default

POST /predict Predict

Parameters

No parameters

Request body required

application/json

Edit Value Schema

```
{ "age": 63, "sex": 1, "cp": 3, "restecg": 145, "chol": 233, "fbs": 1, "restbp": 0, "thalach": 150, "exang": 0, "oldpeak": 2.3, "slope": 0, "ca": 0.0, "thal": 1.0 }
```

Execute Clear

Responses

Curl

```
curl -X 'POST' \
  'http://localhost/predict' \
  -H 'accept: application/json' \
  -H 'Content-type: application/json' \
  -d '{"age": 63, "sex": 1, "cp": 3, "restecg": 145, "chol": 233, "fbs": 1, "restbp": 0, "thalach": 150, "exang": 0, "oldpeak": 2.3, "slope": 0, "ca": 0.0, "thal": 1.0}'
```

Request URL

http://localhost/predict

Server response

Code Details

200 Response body

```
{ "prediction": 3, "label": "Heart Disease", "confidence": 0.7986234466631633 }
```

Download

Response headers

```
access-control-allow-credentials: true
access-control-allow-origin: *
content-length: 23
content-type: application/json
date: Mon, 05 Jan 2026 15:07:38 GMT
server: unicorn
```

Responses

Code Description Links

200 Successful Response No links

Media type application/json  
Controls Accept header

Example Value Schema

```
"string"
```

422 Validation Error No links

Media type application/json

Example Value Schema

```
{
  "detail": [
    {
      "loc": [
        "string",
        "string"
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```