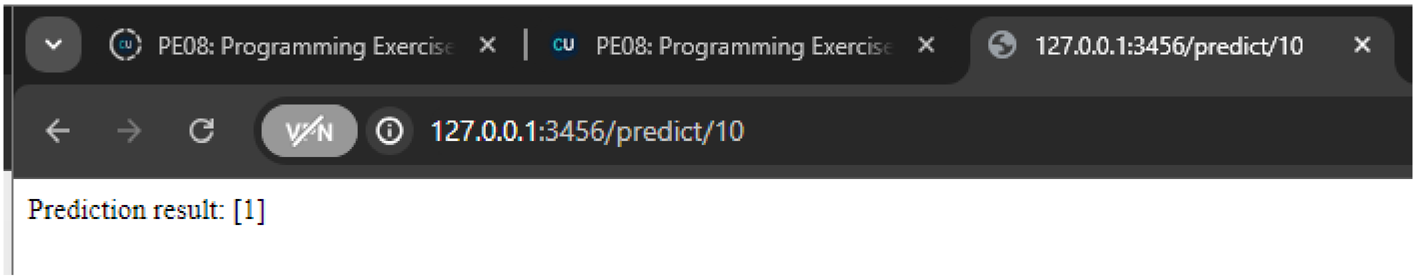
AI510 CS622 HOS08A Kubernetes with Containers

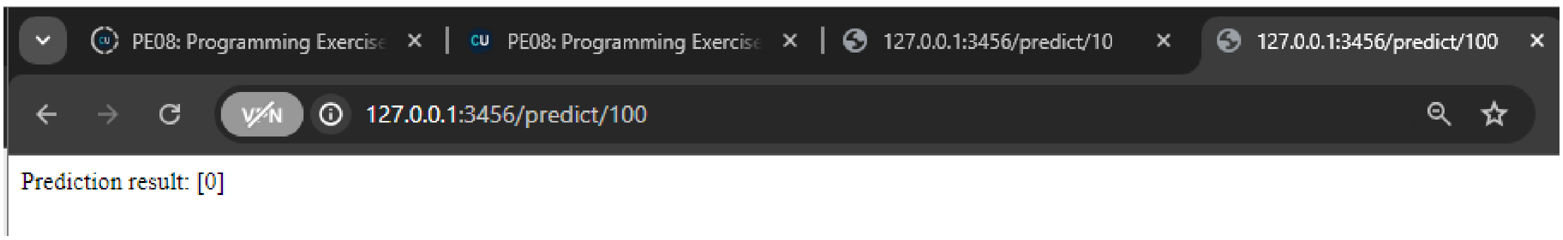
Summer 2024 by VElze

Prediction Service Test

Step 5-2



Step 5-3



Prediction Service in a Docker Container

Step 1-1

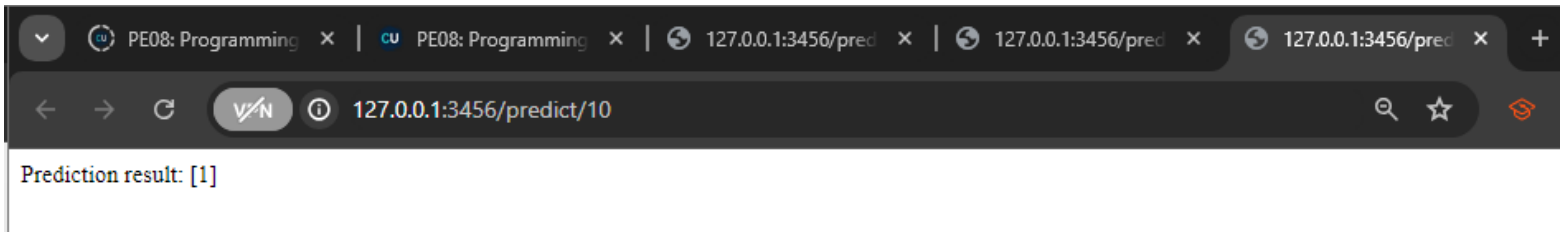
```
● (venv) PS C:\Users\MissV\OneDrive\Documents\Education\CityU\2024Q3summer\AI510\ai510\Module08\ai510-summer-2024-hos08-MissVz\HOS02A> docker image build -t flask_docker_image .
[+] Building 1.9s (3/3) FINISHED                                                                                          docker:desktop-linux
 => [internal] load build definition from Dockerfile                                                                                    0.0s
 => => transferring dockerfile: 427B                                                                                                    0.0s
 => ERROR [internal] load metadata for docker.io/library/python:3.11-slim-bullseye                                                      1.9s
 => [auth] library/python:pull token for registry-1.docker.io                                                                           0.0s
------
 > [internal] load metadata for docker.io/library/python:3.11-slim-bullseye:
------
Dockerfile:2
--------------------
   1 |     #refered based image from: https://hub.docker.com/_/python
   2 | >>> FROM python:3.11-slim-bullseye
   3 |
   4 |     # Set the working directory in the container
--------------------
ERROR: failed to solve: python:3.11-slim-bullseye: failed to resolve source metadata for docker.io/library/python:3.11-slim-bullseye: failed to authorize: failed to fetch oauth
 token: unexpected status from GET request to https://auth.docker.io/token?scope=repository%3Alibrary%2Fpython%3Apull&service=registry.docker.io: 401 Unauthorized

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/lepkad9ekkx7n3h4bffcyy2fm
○ (venv) PS C:\Users\MissV\OneDrive\Documents\Education\CityU\2024Q3summer\AI510\ai510\Module08\ai510-summer-2024-hos08-MissVz\HOS02A>
```

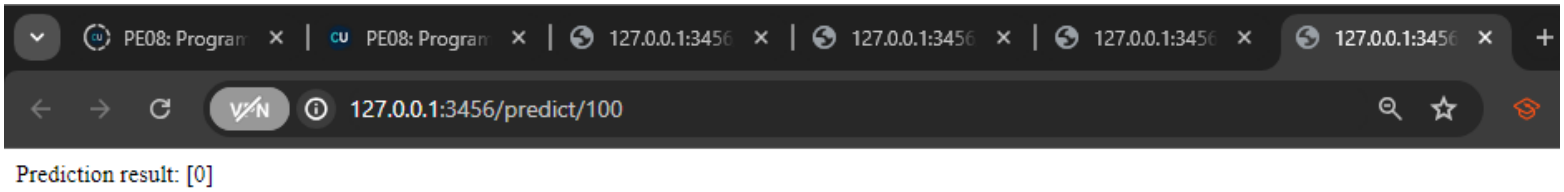
Step 1-2

```
○ (venv) PS C:\Users\MissV\OneDrive\Documents\Education\CityU\2024Q3summer\AI510\ai510\Module08\ai510-summer-2024-hos08-MissVz\HOS02A> docker run --rm -p 3456:3456 flask_docker_i
mage
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:3456
 * Running on http://172.17.0.2:3456
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 670-558-703
```

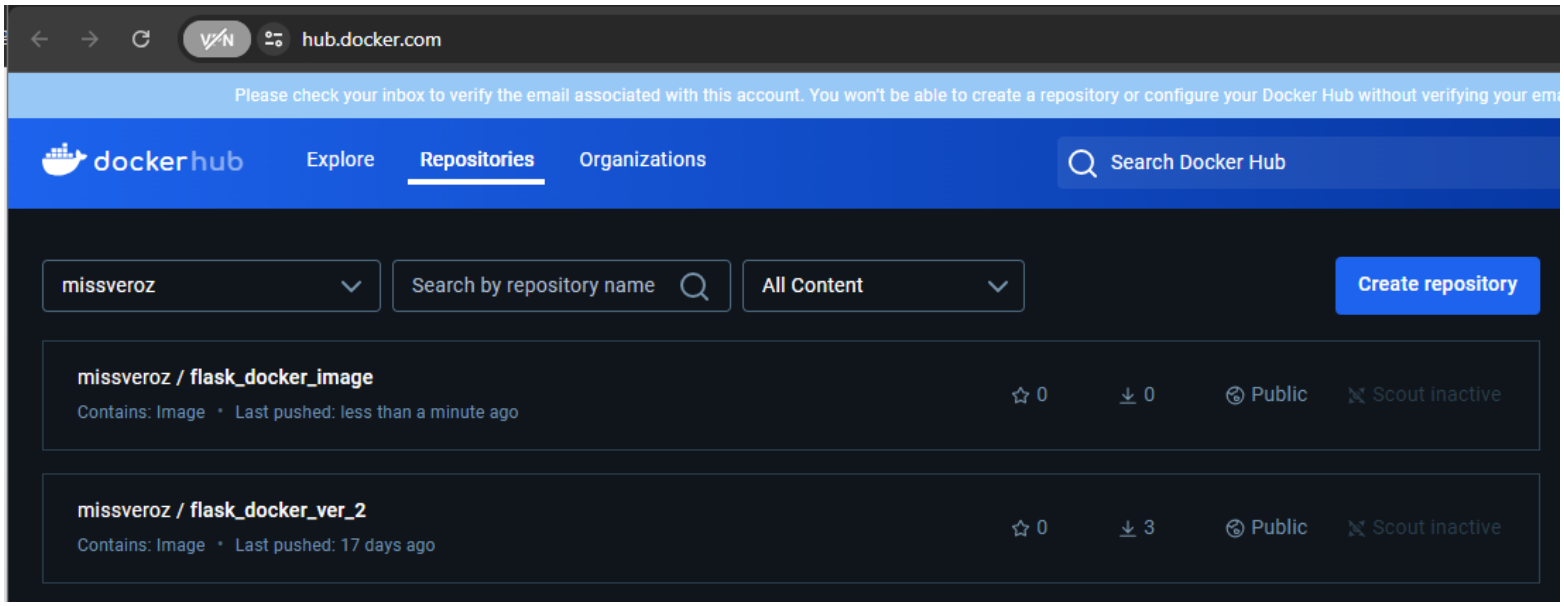
Step 1-3



Step 1-4



Step 5



Kubernetes - Use Docker Hub Uploaded Image

Step 9