

## Assignment -4

### Docker and Kubernetes

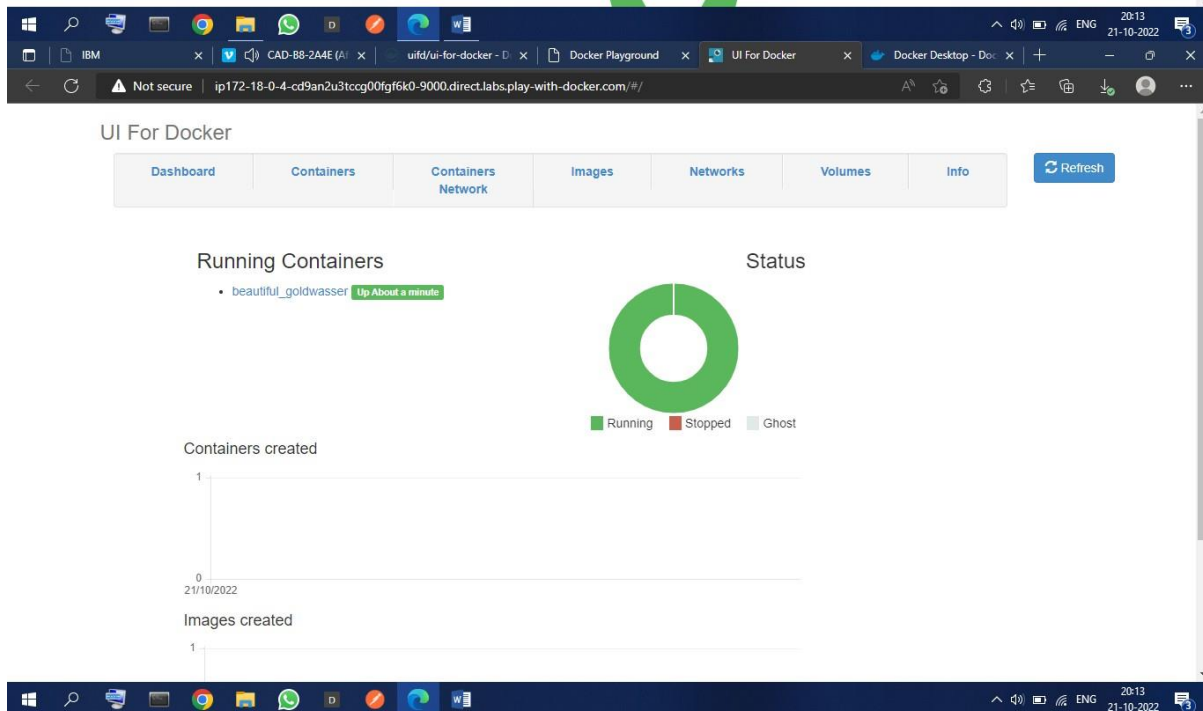
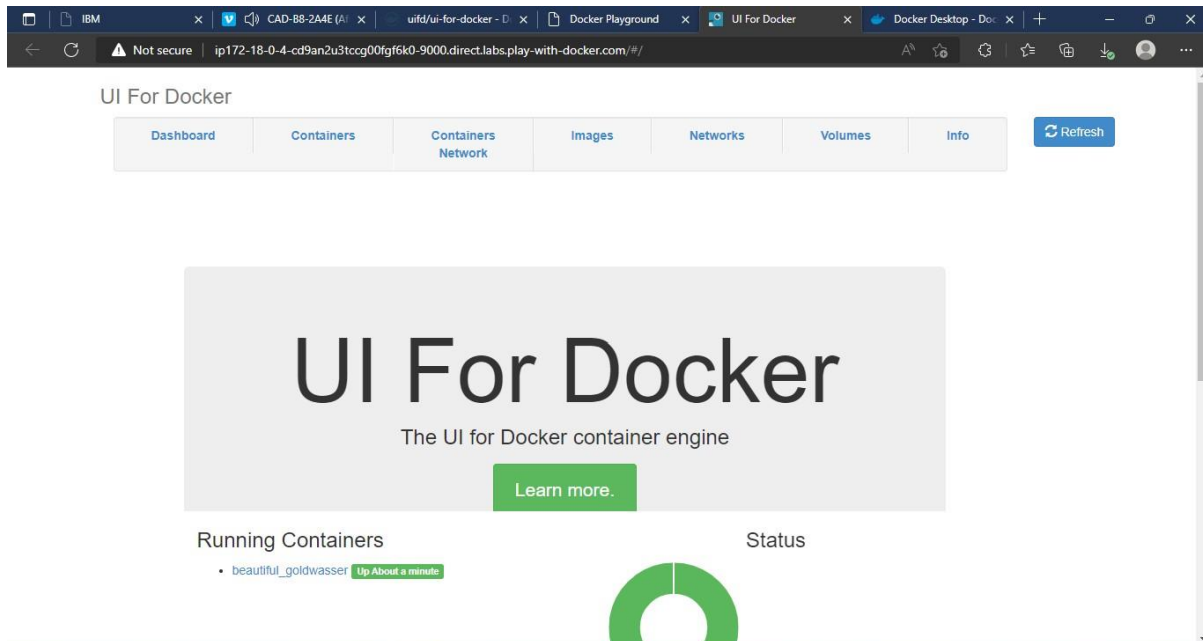
Assignment Date	23 October 2022
Student Name	KAVIN MALAR G
Student Roll Number	211519106064
Maximum Marks	2 Marks

## 1. Pull an image from docker hub and run it in docker Playground

The screenshot displays the Docker Hub repository page for `uifd/ui-for-docker`. The repository is marked as deprecated, with a note stating: "This repo is deprecated. Development continues at: [portainer/portainer](#)". The page shows the repository's overview, including its description: "A web interface for the Docker Remote API. The goal is to provide a pure client side implementation so it is effortless to connect and manage docker." The Docker Pull Command is shown as `docker pull uifd/ui-for-docker`.

Below the repository page, the Docker Playground interface is visible. It shows a session titled `cd9an2u3_cd9av060qau0008hbjso` with an IP address of `192.168.0.13`. The terminal output shows the following commands and results:

```
# This is a sandbox environment. Using personal credentials
# is HIGHLY discouraged. Any consequences of doing so are
# completely the user's responsibilities.
#
# The FWD team.
#####
[node1] (local) root@192.168.0.13 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: Pull complete
Digest: sha256:fe371ff9a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[node1] (local) root@192.168.0.13 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
c590dd163101ae795bdcea0eb1ddd98f6f549cb5f24dab9ff7c1931923fc0d
[node1] (local) root@192.168.0.13 ~
$
```



2. Create a docker file for the job portal application and deploy it in Docker desktop application.

```
C:\Windows\System32\cmd.exe
-> [internal] load build definition from Dockerfile
-> >> transferring dockerfile: 32B
-> [internal] load .dockerignore
-> >> transferring context: 2B
-> [internal] load metadata for docker.io/library/python:3.6
-> [auth] library/python:pull token for registry-1.docker.io
-> [internal] load build context
-> >> transferring context: 687B
-> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc
-> sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.86kB / 1.86kB
-> sha256:d997e4907a9ec079df5ac31872359c2de519f02214c8448e926393b37cd3b60d 2.22kB / 2.22kB
-> sha256:54298538d07c5e3ad24c6e21fc889abbc8486a27634c8092886ff71f344b104 9.27kB / 9.27kB
-> sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b00e0b77ae1e3 54.92MB / 54.92MB
-> sha256:9b029c73b52b92b97d5c07e54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB
-> sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB
-> sha256:6494e4811622b31c027ccac322ca463937fd805f569e93e6f15c01aade718793 54.57MB / 54.57MB
-> sha256:6f9f74896df993fe0172f504fabad5e0b4e8a0481a0f0d112efc7e4d3c78f7 196.51MB / 196.51MB
-> sha256:5e3b1211efc5690e77bd002083945c164de2a2720e0e6c7dadab812124dc743 6.29MB / 6.29MB
-> extracting sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b00e0b77ae1e3
-> sha256:9fd9dc56334f2e6efad7e241bf5e7459c40ed186c5478676f41c1244bd96752 14.21MB / 14.21MB
-> extracting sha256:9b029c73b52b92b97d5c07e54fb0f3e921995a296c714b53a32ae67d19231fcd
-> extracting sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56
-> sha256:484f02044bac0432ca522cbb9f254b1c91fcea6808bfeef0be0b243b2f31bab7 235B / 235B
-> sha256:c4f42be2be53b900ebffcc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB
-> extracting sha256:6494e4811622b31c027ccac322ca463937fd805f569e93e6f15c01aade718793
-> extracting sha256:6f9f74896df993fe0172f504fabad5e0b4e8a0481a0f0d112efc7e4d3c78f7
-> sha256:5e3b1211efc5690e77bd002083945c164de2a2720e0e6c7dadab812124dc743 6.29MB / 6.29MB
-> extracting sha256:9fd9dc56334f2e6efad7e241bf5e7459c40ed186c5478676f41c1244bd96752
-> extracting sha256:484f02044bac0432ca522cbb9f254b1c91fcea6808bfeef0be0b243b2f31bab7
-> extracting sha256:c4f42be2be53b900ebffcc040c1df13de538434ccc5f5d954a56848a6169a3a3f
-> [2/6] WORKDIR /app
-> [3/6] ADD . /app
-> [4/6] COPY requirements.txt /app
-> [5/6] RUN python3 -m pip install -r requirements.txt
-> [6/6] RUN python3 -m pip install lbm_db
-> exporting to image
-> >> writing image sha256:1756719486df002fad5dae305c5221513f2ff2d1b49a8d242b22a28af0379f19
-> >> naming to docker.io/library/job-portal-main
```

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

C:\Users\VK-PC\Desktop\job-portal-main>

Containers

Images

Volumes

Dev Environments BETA

Extensions BETA

Add Extensions

Images on disk

Last refresh: about 1 hour ago 1 Images 0 Bytes total size Refresh to see disk usage Clean up

Images Give feedback

LOCAL

REMOTE REPOSITORIES

☐ In use only

NAME	TAG	IMAGE ID	CREATED	SIZE
job-portal-main	latest	1756719486df	less than a minute ago	1.08 GB

RAM 2.53GB

CPU 1.56%

Connected to Hub

v4.13.0