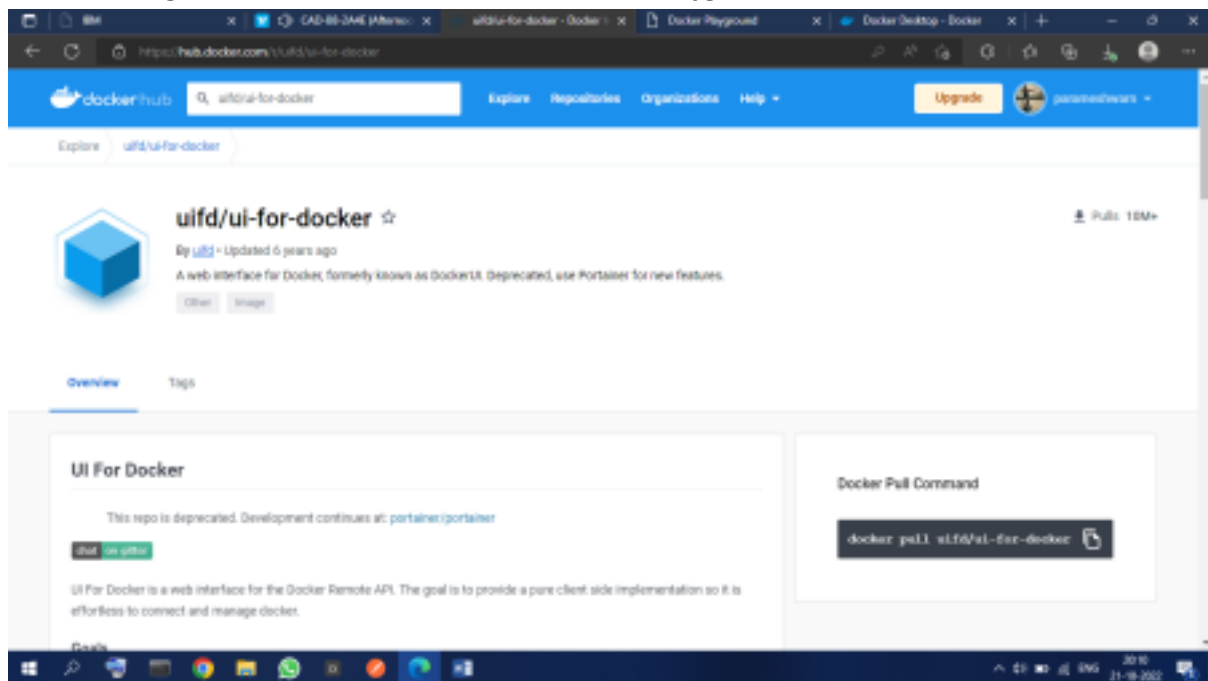


**Assignment -4**  
**Docker and Kubernetes**

Assignment Date	21 October 2022
Student Name	KANTIPUDI PAVAN
Student Roll Number	111519106066
Maximum Marks	2 Marks

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



03:42:30

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.8.13  
node1

cd9an2u3\_cd9av060qau0008hbjso

IP: 192.168.8.13 OPEN PORT

Memory CPU

SSH  
ssh ip172-18-0-4-cd9an2u3cd9av060qau0008hbjso@direct.labs.play-with-docker.com

DELETE EDITOR

```
# This is a sandbox environment. Using personal credentials  
# is HIGHLY discouraged. Any consequences of doing so are  
# completely the user's responsibility.  
#  
# The PWD team.  
=====
```

```
root@192.168.8.13 ~  
# docker pull ui5d/ui-for-docker  
Using default tag: latest  
latest: Pulling from ui5d/ui-for-docker  
4411964080ad: Pull complete  
Digest: sha256:1e371ff25a69545243b24973a5ab1244dd4c0b434cbad244878572150b1cb749  
Status: Downloaded newer image for ui5d/ui-for-docker:latest  
docker.io/ui5d/ui-for-docker:latest  
# docker run -d -p 9000:9000 --privileged --name /usr/run/docker-mock /usr/run/docker-mock ui5d/ui-for-docker  
c53b4d163101ae795d0ca6eb3dd58f565493b5f24dcb9ff7c1931923fc8d  
root@192.168.8.13 ~
```

UI For Docker

Dashboard Containers Containers Network Images Networks Volumes Info Refresh

# UI For Docker

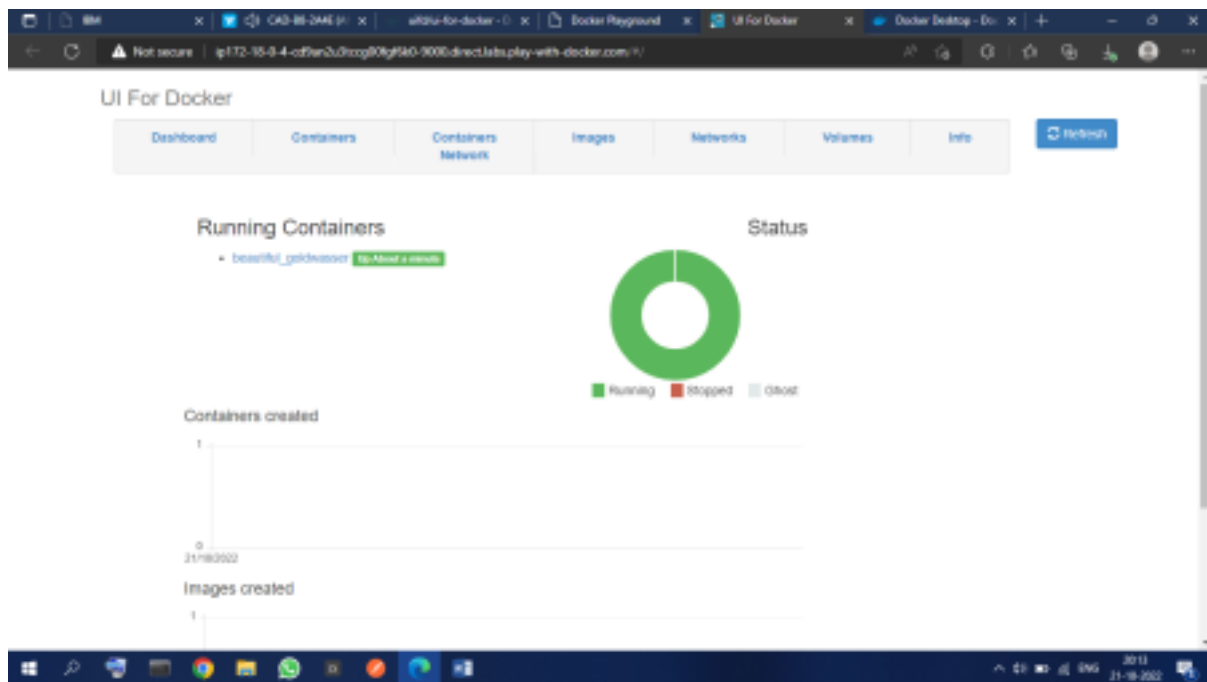
The UI for Docker container engine

Learn more.

Running Containers

• beautiful\_goldwasser Up About a minute

Status

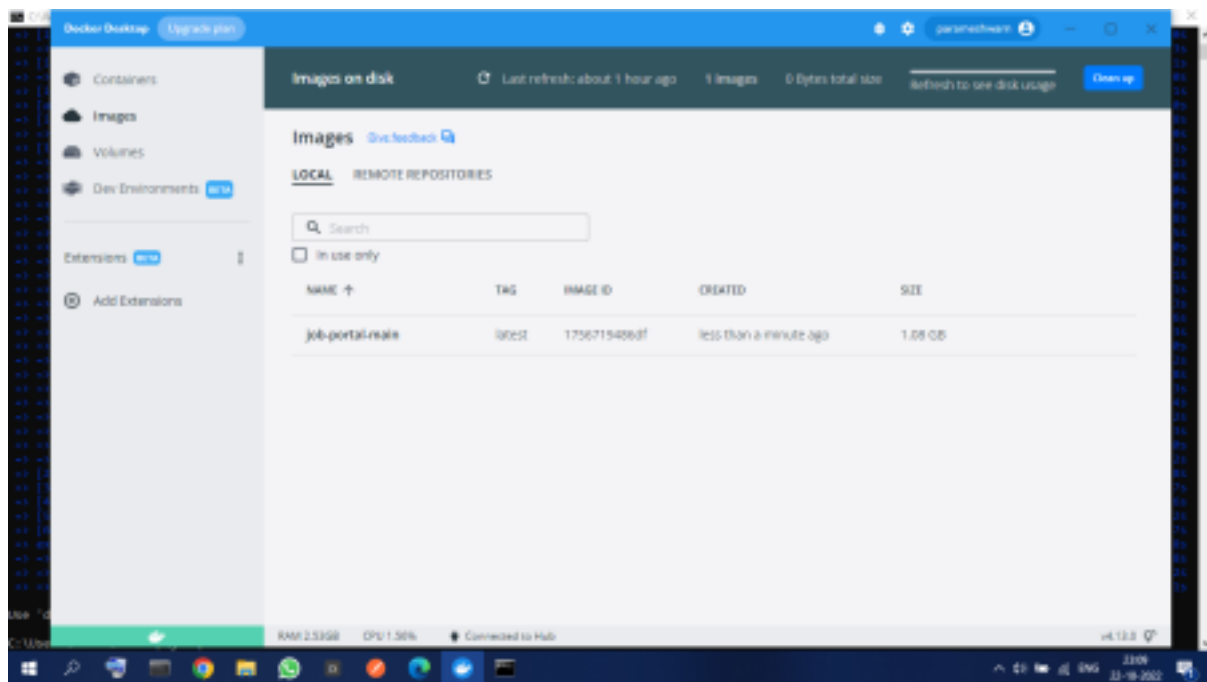


## 2. Create a docker file for the job portal application and deploy it in Docker desktop application

```

C:\Windows\system32\cmd.exe
[Internal] load build definition from dockerfile
[+] transferring dockerfile: 51B
[Internal] load .dockerignore
[+] transferring context: 2B
[Internal] load metadata for docker.io/library/python:3.8
[auth] library/python:pull token for registry-1.docker.io
[Internal] load build context
[+] transferring context: 50B
[+] [1/5] FROM docker.io/library/python:3.8@sha256:f9651afaf80c25f9621354d5424031501867a4d826a7f4b6032a0f930b4e9fc
[+] resolve docker.io/library/python:3.8@sha256:f9651afaf80c25f9621354d5424031501867a4d826a7f4b6032a0f930b4e9fc
[+] sha256:f9651afaf80c25f9621354d5424031501867a4d826a7f4b6032a0f930b4e9fc 1.86kB / 1.86kB
[+] sha256:6907a807ade0d7bafac31872358c3d8508821334c843e93e303b37ad00a6d 2.22kB / 2.22kB
[+] sha256:54168033687c5c1ad34c6a21fc800abdc8400a21834c083280cf771f7f440384 9.27kB / 9.27kB
[+] sha256:6e25546541c3dc30920321267386d1031905c1305574712080e0b77ad01a3 54.21kB / 54.21kB
[+] sha256:90026c736324618785c87a604b6f4621899a296c7148331a2a9670381314d 8.11kB / 8.11kB
[+] sha256:c9597ac301721400e0d373523e4f3e05401d5497c8c9949530700c4056 38.87kB / 38.87kB
[+] sha256:540944811312b31007cc8c32219463827736847549c30e711c03a0e738793 14.57kB / 14.57kB
[+] sha256:8f9d7489d4f4e3f402727084fab08b0d4084021a0f4e202124fc764d317677 206.52kB / 206.52kB
[+] sha256:5e181233ee519396c78a0602083945c344ad4372094e0a034a482112441743 4.29kB / 4.29kB
[+] extracting sha256:6e25546541c3dc30920321267386d1031905c1305574712080e0b77ad01a3
[+] sha256:9f007d336324618785c87a604b6f4621899a296c7148331a2a9670381314d 54.21kB / 54.21kB
[+] sha256:90026c736324618785c87a604b6f4621899a296c7148331a2a9670381314d 2.33kB / 2.33kB
[+] extracting sha256:c9597ac301721400e0d373523e4f3e05401d5497c8c9949530700c4056 4.89kB / 4.89kB
[+] sha256:48f494844bac812ca5131309f25491c91f1a00068f4604082430f7320a87 2.03kB / 2.03kB
[+] sha256:c9f07489d4f4e3f402727084fab08b0d4084021a0f4e202124fc764d317677 2.21kB / 2.21kB
[+] extracting sha256:8f9d7489d4f4e3f402727084fab08b0d4084021a0f4e202124fc764d317677 27.75kB / 27.75kB
[+] extracting sha256:c9f07489d4f4e3f402727084fab08b0d4084021a0f4e202124fc764d317677 131.49kB / 131.49kB
[+] extracting sha256:5e181233ee519396c78a0602083945c344ad4372094e0a034a482112441743 31.33kB / 31.33kB
[+] extracting sha256:9f007d336324618785c87a604b6f4621899a296c7148331a2a9670381314d 2.22kB / 2.22kB
[+] extracting sha256:48f494844bac812ca5131309f25491c91f1a00068f4604082430f7320a87 0.89kB / 0.89kB
[+] extracting sha256:c9f07489d4f4e3f402727084fab08b0d4084021a0f4e202124fc764d317677 2.22kB / 2.22kB
[+] [3/5] WORKDIR /app
[+] [3/5] ADD - /app
[+] [4/5] COPY requirements.txt /app
[+] [5/5] RUN python3 -m pip install -r requirements.txt
[+] [6/5] RUN python3 -m pip install bluez
[+] exporting to image
[+] exporting layers
[+] writing image sha256:179a1808d3f80fadb0e89c1121329343d18e0d0f20d2a38a8197e10e
[+] naming to docker.io/library/job-portal-main
See 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\Users\WK-PC\Desktop\job-portal-main>

```



3.Create a IBM container registry and deploy helloworld app