

Assignment -4

Docker and Kubernetes

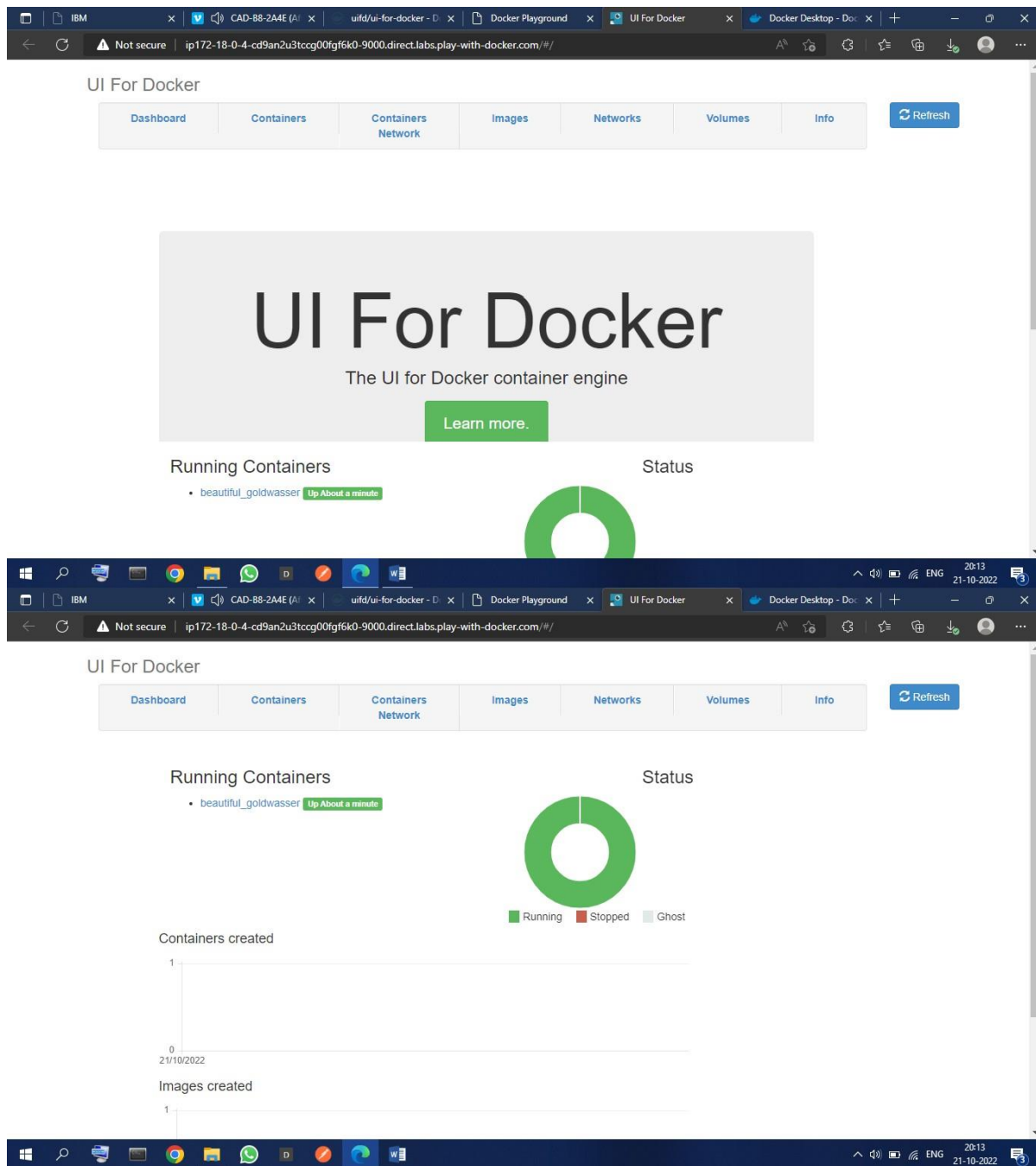
Assignment Date	29 October 2022
Student Name	SALMAN ZAKARIA
Student Roll Number	412519106130
Maximum Marks	2 Marks

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

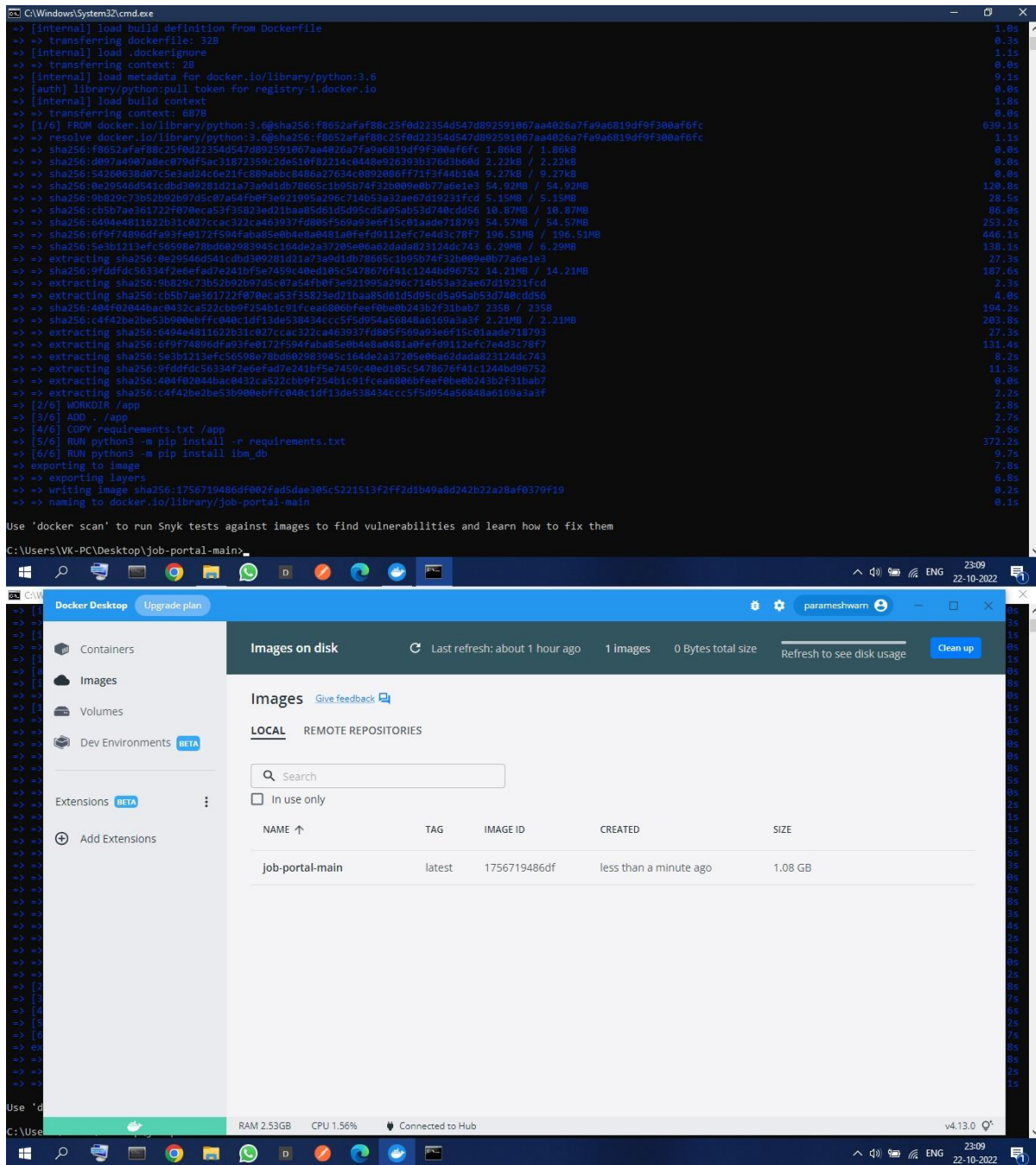
The screenshot displays the Docker Hub page for the `uifd/ui-for-docker` repository, which is marked as deprecated. It shows the repository's overview, including a description and a Docker pull command: `docker pull uifd/ui-for-docker`.

Below the Docker Hub page, the Docker Playground interface is shown. It features a sidebar with a clock, a 'CLOSE SESSION' button, and a list of instances. The main area displays the details of a specific instance, including its IP address (192.168.0.13), memory, CPU, and SSH access. A terminal window is open, showing the execution of the `docker pull uifd/ui-for-docker` command, which successfully pulls the latest image from Docker Hub. The terminal output includes the image's digest and status.

```
# 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. #
#####
[model] (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:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
[model] (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
e590dd163101ae795bdc0eb1ddd98f6fe549cb5f24dab9ff7c1931923f0d
[model] (local) root@192.168.0.13 ~
$
```



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



3. Create a IBM container registry and deploy helloworld app