

ASSIGNMENT 4

DATE	29 Oct 2022
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1.Pull an Image from docker hub and run it in docker playground.

The screenshot shows the Docker Playground interface in a web browser. The browser tabs include 'uifd/ui-for-docker', 'Docker Playground', 'UI For Docker', 'failed to read docker', 'CAD-B9-3ASE (Even', 'IBM', 'Assignments-CApD', and others. The address bar shows 'labs.play-with-docker.com/p/cdnrc3n91rrg00b40tsg#cdnrc3n9_cdnrc7791rrg00b40tt0'.

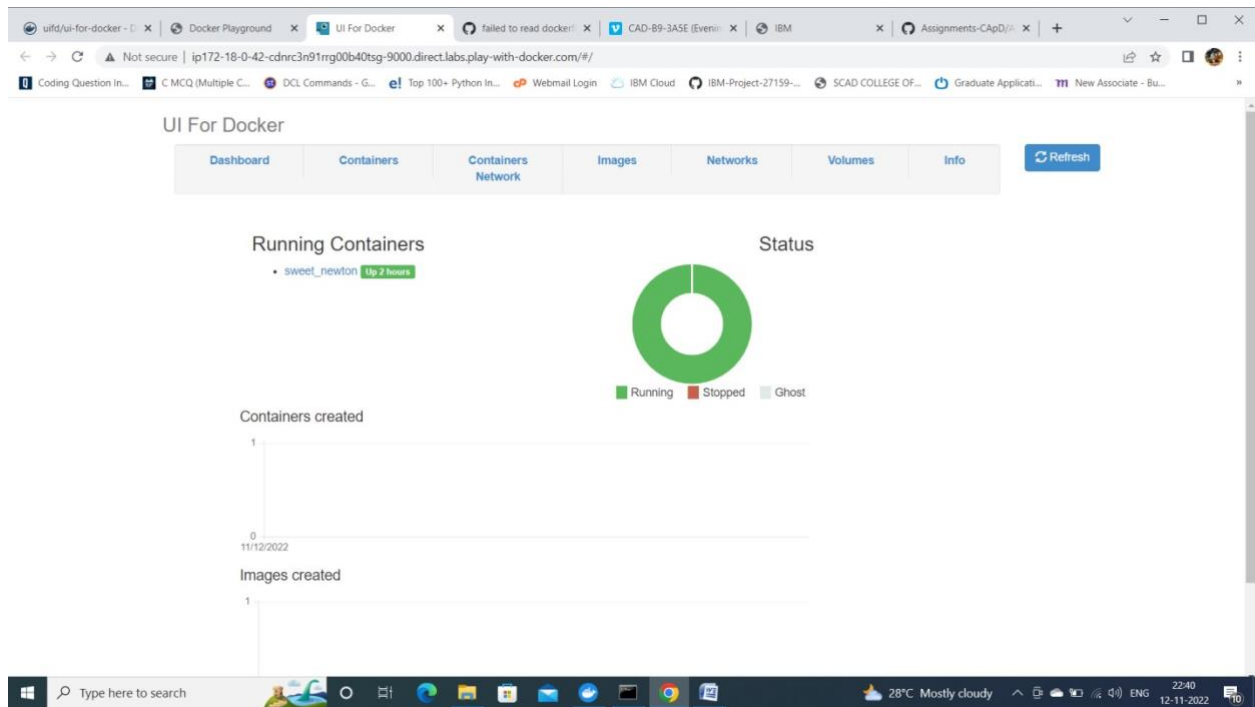
On the left sidebar, there is a clock showing '01:55:32', a 'CLOSE SESSION' button, and an 'Instances' section with a list of instances. One instance is listed: '192.168.0.28 node1'.

The main panel shows the details for the instance 'cdnrc3n9_cdnrc7791rrg00b40tt0'. It displays the IP address '192.168.0.28', an 'OPEN PORT' button set to '9000', memory usage '1.76% (70.45MiB / 3.906GiB)', and CPU usage '0.61%'. There is an SSH link 'ssh ip172-18-0-42-cdnrc3n91rrg00b40tsg@direct.labs.play-i' and buttons for 'DELETE' and 'EDITOR'.

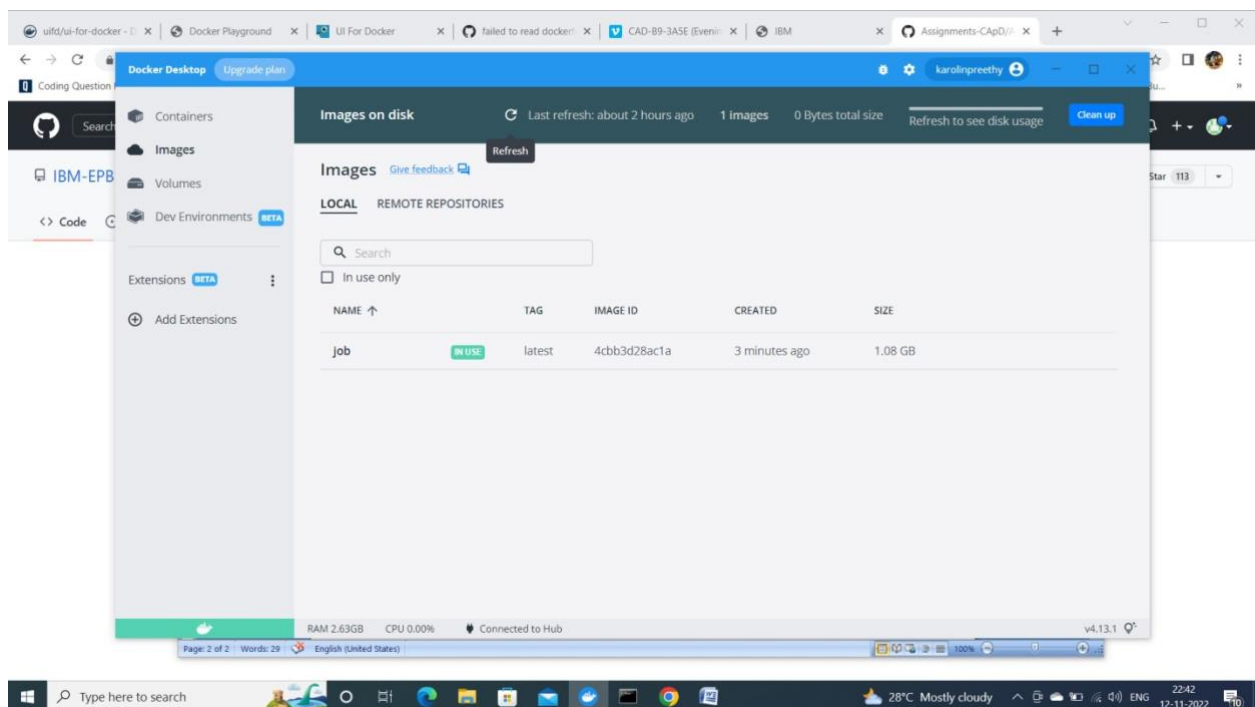
The terminal window shows the following commands and output:

```
# completely the user's responsibilities.
# The FWD team.
#####
[node1] (local) root@192.168.0.28 ~
$ 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
[node1] (local) root@192.168.0.28 ~
$ docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker
25b14a5824f316a9b5b013bf536f783046edf1f2351c4006ff4b5ccb98eb3b14
[node1] (local) root@192.168.0.28 ~
$ docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
uifd/ui-for-docker  latest     965940f9fa5   6 years ago   8.1MB
[node1] (local) root@192.168.0.28 ~
$
```

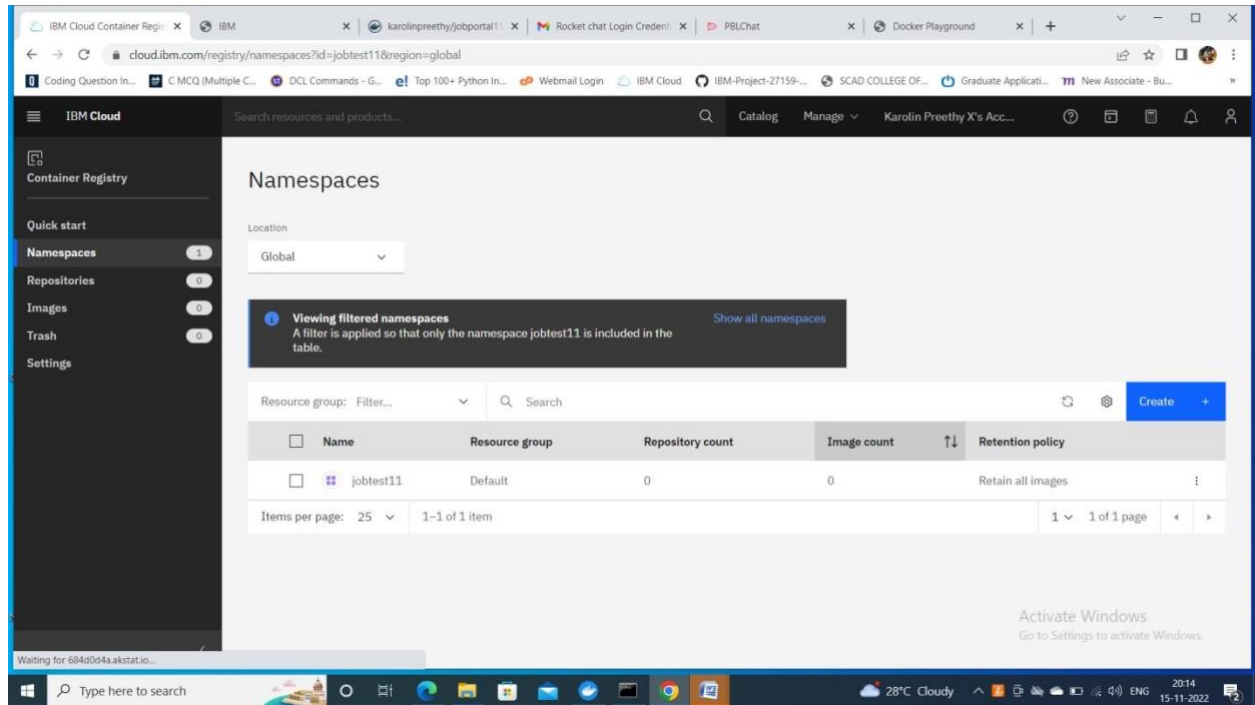
The Windows taskbar at the bottom shows the search bar, taskbar icons, system tray with weather '28°C Mostly cloudy', and date '22:39 12-11-2022'.



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



3.Create a IBM container registry and deploy helloworld app or jobportalapp.



4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.

