

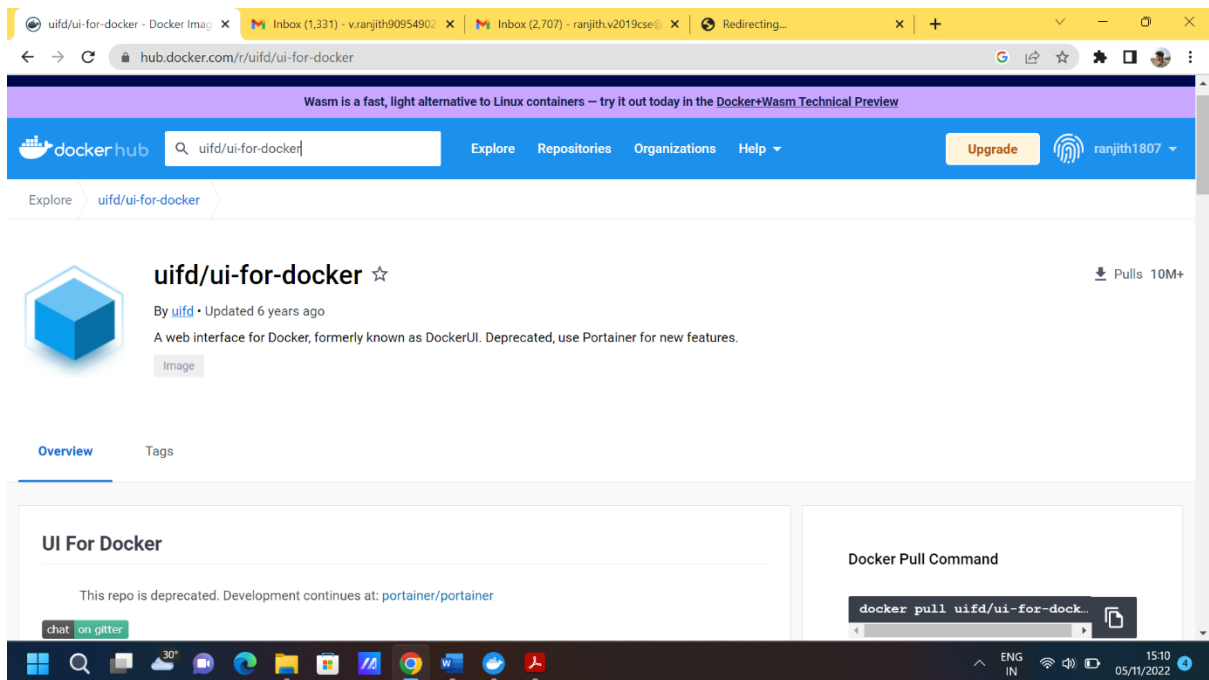
Assignment -4

Docker and Kubernetes

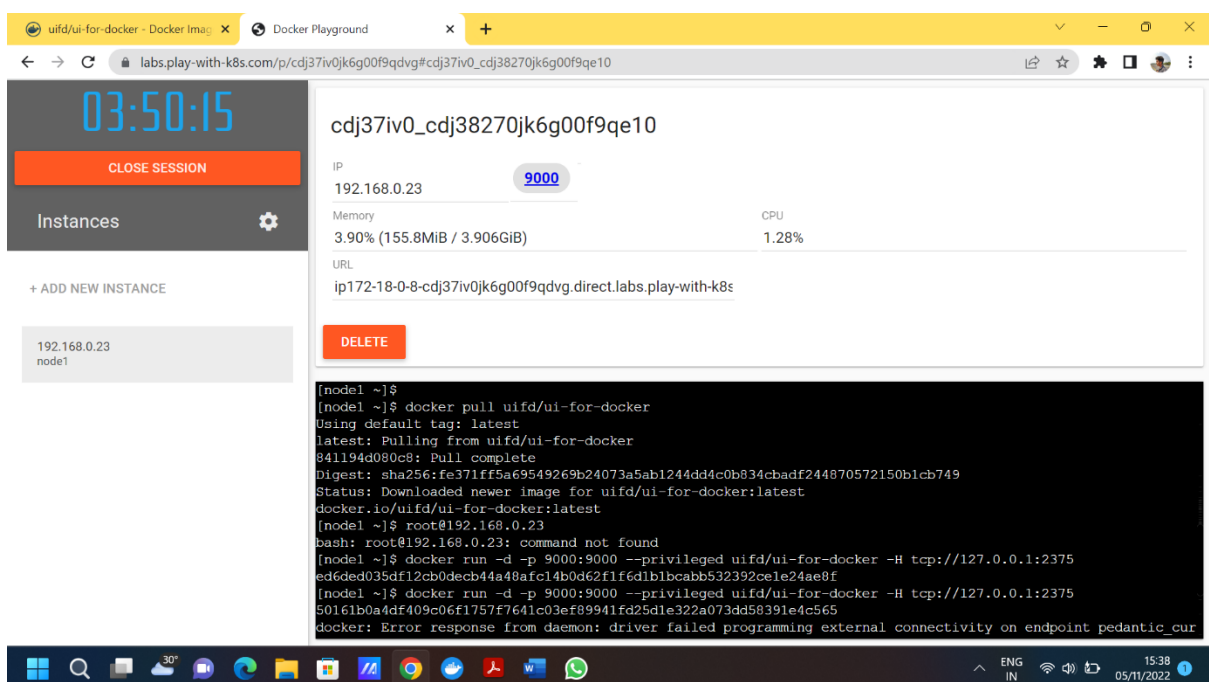
Assignment Date	21 October 2022
Student Name	Sriram R
Student Roll Number	722819104147
Maximum Marks	2 Marks

Question-1:

Pull an Image from docker hub and run it in docker playground.

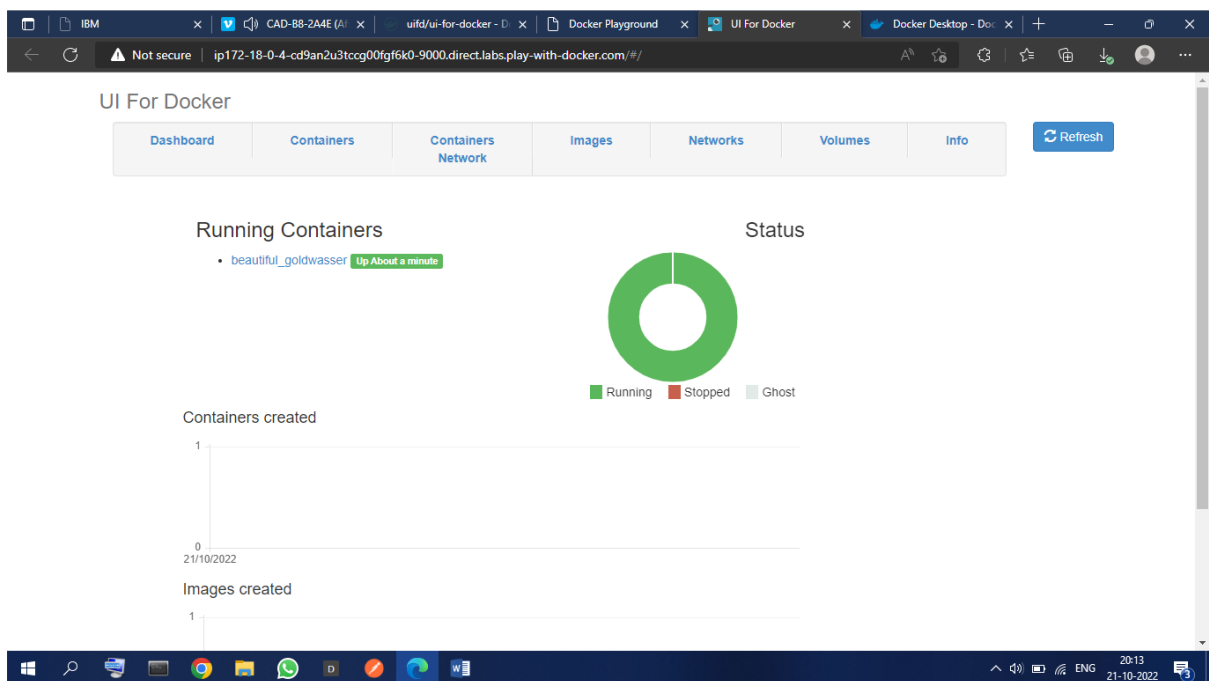
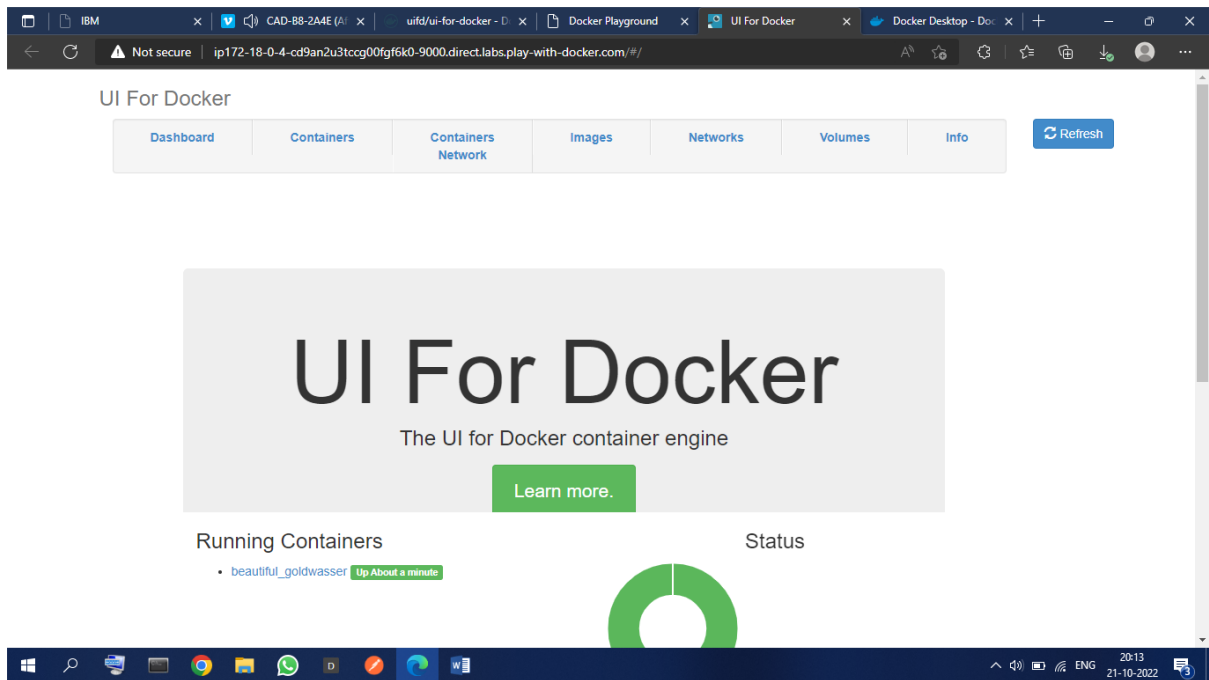


The screenshot shows the Docker Hub page for the repository `uifd/ui-for-docker`. The page header includes the Docker Hub logo, a search bar with the text `uifd/ui-for-docker`, and navigation links for Explore, Repositories, Organizations, and Help. The repository page shows a blue cube icon, the name `uifd/ui-for-docker`, and a star icon. Below the icon, it says "By uifd · Updated 6 years ago" and "A web interface for Docker, formerly known as DockerUI. Deprecated, use Portainer for new features." The page also shows a "Pulls 10M+" badge. The "Overview" tab is selected, showing a description of the repository and a "chat on gitter" link. The "Tags" tab is also visible. The "UI For Docker" section states "This repo is deprecated. Development continues at: [portainer/portainer](#)". The "Docker Pull Command" section shows the command `docker pull uifd/ui-for-docker`.



The screenshot shows the Docker Playground interface. The top bar displays the time `03:50:15` and a "CLOSE SESSION" button. The "Instances" section shows a list of instances, including one with IP `192.168.0.23` and name `node1`. The "ADD NEW INSTANCE" button is visible. The main area shows the details of the selected instance `cdj37iv0_cdj38270jk6g00f9qe10`, including its IP `192.168.0.23`, memory usage `3.90% (155.8MiB / 3.906GiB)`, CPU usage `1.28%`, and URL `ip172-18-0-8-cdj37iv0jk6g00f9qdvqg.direct.labs.play-with-k8s`. A "DELETE" button is present. The terminal output shows the following commands and their results:

```
[node1 ~]$  
[node1 ~]$ 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 ~]$ root@192.168.0.23  
bash: root@192.168.0.23: command not found  
[node1 ~]$ docker run -d -p 9000:9000 --privileged uifd/ui-for-docker -H tcp://127.0.0.1:2375  
ed6ded035df12cb0decbb44a48afc14b0d62f1f6d1b1bcabb532392ce1e24ae8f  
[node1 ~]$ docker run -d -p 9000:9000 --privileged uifd/ui-for-docker -H tcp://127.0.0.1:2375  
50161b0a4df409c06f1757f7641c03ef89941fd25d1e322a073dd50391e4c565  
docker: Error response from daemon: driver failed programming external connectivity on endpoint pedantic_cur
```



Question 2:

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

