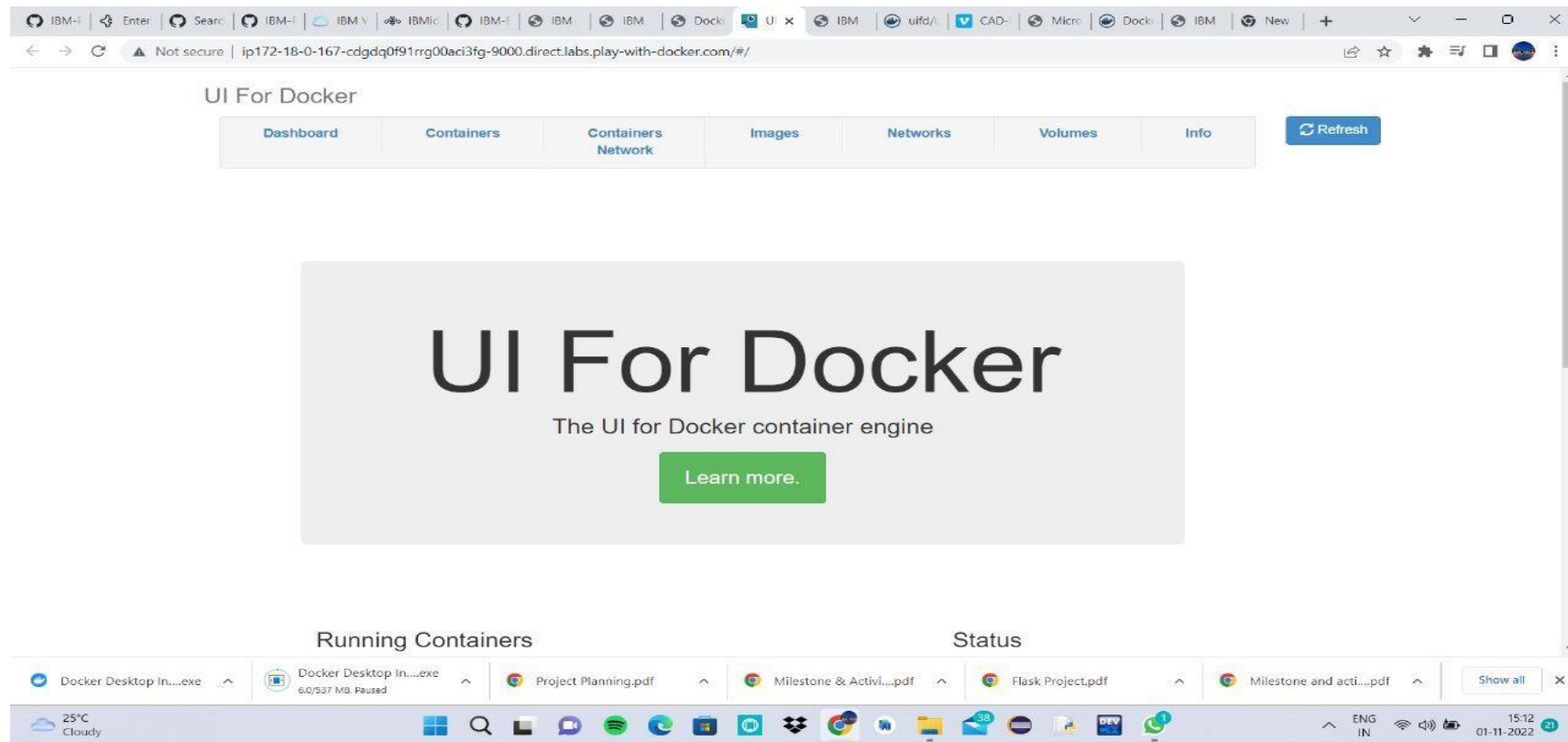


## ASSIGNMENT 4

Team Id	PNT2022TMID44295
Project Name	Smart Fashion Recommender Application
Maximum Marks	2 Marks

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







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

The screenshot shows a web browser window with multiple tabs. The active tab is 'Explore Docker's Container I...'. The address bar shows the URL 'hub.docker.com/search?q=sandeepdoodigani%2Fjobportalapp'. The page displays the Docker Hub search results for the repository 'sandeepdoodigani/jobportalapp'. The search results show 1 - 1 of 1 result. The repository is listed with a download count of 1.2K and 0 stars. It is categorized as Linux x86-64. The left sidebar contains filters for Products (Images, Extensions, Plugins), Trusted Content (Docker Official Image, Verified Publisher, Sponsored OSS), Operating Systems (Linux, Windows), and Architectures (ARM, ARM 64). The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 15:07 on 03-11-2022.

Security Advisory: Critical OpenSSL Vulnerability - [learn how to tell if your repository is vulnerable.](#)

docker hub

Search: sandeepdoodigani/jobportalapp

Explore Pricing Sign In Register

Filters

Products

- ☐ Images
- ☐ Extensions
- ☐ Plugins

Trusted Content

- ☐ Docker Official Image
- ☐ Verified Publisher
- ☐ Sponsored OSS

Operating Systems

- ☐ Linux
- ☐ Windows

Architectures

- ☐ ARM
- ☐ ARM 64

1 - 1 of 1 result for sandeepdoodigani/jobportalapp.

Best Match

sandeepdoodigani/jobportalapp

By [sandeepdoodigani](#) • Updated 3 months ago

Linux x86-64

1.2K Downloads 0 Stars

<https://hub.docker.com/u/sandeepdoodigani>

Type here to search

25°C

15:07 03-11-2022

03:46:53

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.13  
node1

cdhojpu0\_cdhokt63tccg00fmt3n0

IP

192.168.0.13

OPEN PORT

Memory

31.99% (1.25GiB / 3.906GiB)

CPU

121.91%

SSH

ssh ip172-18-0-15-cdhojpu0qau0008f9650@direct.labs.play

DELETE

EDITOR

```
[node1] (local) root@192.168.0.13 ~
$ docker pull sandeepdoodigani/jobportalapp
Using default tag: latest
latest: Pulling from sandeepdoodigani/jobportalapp
0e29546d541c: Pull complete
9b829c73b52b: Pull complete
cb5b7ae36172: Pull complete
6494e4811622: Pull complete
6f9f74896dfa: Pull complete
5e3b1213efc5: Pull complete
9fddfdc56334: Pull complete
404f02044bac: Pull complete
c4f42be2be53: Pull complete
296c00cdb64e: Pull complete
86df5f9cfbe4: Pull complete
b0a57da07333: Pull complete
96d74d4156fd: Pull complete
778a951e5719: Pull complete
Digest: sha256:e8590bc86f5d2ef2f85536f570fe49a5fec2893ebfd146f5aa63dcdc9f9bdd24
Status: Downloaded newer image for sandeepdoodigani/jobportalapp:latest
docker.io/sandeepdoodigani/jobportalapp:latest
[node1] (local) root@192.168.0.13 ~
$
```

Type here to search

Windows Taskbar Icons

25°C

15:12

03-11-2022

03:40:13

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.13  
node1

cdhojpu0\_cdhokt63tccg00fmt3n0

IP  
192.168.0.13

OPEN PORT

Memory  
30.37% (1.186GiB / 3.906GiB)

CPU  
0.38%

SSH  
ssh ip172-18-0-15-cdhojpu0qau0008f9650@direct.labs.play

DELETE

EDITOR

```
86df5f9cfbe4: Pull complete
b0a57da07333: Pull complete
96d74d4156fd: Pull complete
778a951e5719: Pull complete
Digest: sha256:e8590bc86f5d2ef2f85536f570fe49a5fec2893ebfd146f5aa63dcde9f9bdd24
Status: Downloaded newer image for sandeepdoodigani/jobportalapp:latest
docker.io/sandeepdoodigani/jobportalapp:latest
(node1) (local) root@192.168.0.13 ~
$ docker pull uifd/ui-for docker
"docker pull" requires exactly 1 argument.
See 'docker pull --help'.

Usage:  docker pull [OPTIONS] NAME[:TAG|@DIGEST]

Pull an image or a repository from a registry
(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:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
(node1) (local) root@192.168.0.13 ~
$
```

Type here to search

25°C 15:18 03-11-2022 ENG



03:36:07

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.28  
node1

cdhtr8m3\_cdhtrsv91rrg00a0uhdg

IP

192.168.0.28

OPEN PORT

8080

9000

Memory

32.18% (1.257GiB / 3.906GiB)

CPU

0.25%

SSH

ssh ip172-18-0-29-cdhtr8m3tccg00fmtjig@direct.labs.play-with-docker.com

DELETE

EDITOR

```
[node1] (local) root@192.168.0.28 ~
$ docker run -p 8080:8080 sandeepdoodigani/jobportalapp
* Serving Flask app 'app' (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: off
* Running on all addresses.
WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://172.17.0.3:8080/ (Press CTRL+C to quit)
172.18.0.1 - - [03/Nov/2022 15:48:02] "GET / HTTP/1.1" 200 -
172.18.0.1 - - [03/Nov/2022 15:48:03] "GET /css/style.css HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:48:03] "GET /static/img/smartinternz.png HTTP/1.1" 200 -
172.18.0.1 - - [03/Nov/2022 15:48:09] "GET /assets/img/favicon-32x32.png HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:48:25] "GET /login HTTP/1.1" 200 -
172.18.0.1 - - [03/Nov/2022 15:48:28] "GET /css/style.css HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:48:28] "GET /static/img/smartinternz.png HTTP/1.1" 304 -
172.18.0.1 - - [03/Nov/2022 15:48:48] "GET /register HTTP/1.1" 200 -
172.18.0.1 - - [03/Nov/2022 15:48:49] "GET /static/img/smartinternz.png HTTP/1.1" 304 -
172.18.0.1 - - [03/Nov/2022 15:48:49] "GET /css/style.css HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:49:35] "GET /contact.html HTTP/1.1" 404 -
172.18.0.1 - - [03/Nov/2022 15:49:36] "GET /favicon.ico HTTP/1.1" 404 -
```

Type here to search

24°C

21:20

03-11-2022

[LOGIN](#)[REGISTER](#)[CONTACT US](#)

## Aboutus

### Mission

SMARTBRIDGE is an edTech organization with a vision to bridge the gap between academia & industry. Our outcome-based experiential learning programs on emerging technologies (Internet of Things, Machine Learning, Data Science, Artificial Intelligence, Robotics) are building skilled entry-level engineers, for the corporate world.

### Vission

Our main objective is to bridge the existing gaps between prevailing industry standards and what the academics offer to the graduates while passing out of university. SmartBridge offers suitable skill deployment and training to the young talent before on boarding their first job. Our skill development programs are designed considering the present expectations in the industry.

### Objective

Well directed career guidance programs for educational institutions  
Appropriate certification courses that suit the industry need  
Train the trainers; expanded awareness about the current industry standards  
Liaise with corporates to offer niche internships  
Establish technology development centers in colleges  
Specialised incubation centers in collaboration with corporates

## JobPortal

Lorem ipsum dolor sit amet consectetur adipisicing elit. Voluptatum quis, reiciendis id magni magnam, accusamus nobis in, temporibus molestias ab placeat rerum aperiam illum perspiciatis ducimus non! Fugiat, odit ducimus.

## Get in Touch

- [jobportal@gmail.com](mailto:jobportal@gmail.com)
- [+91 8977787657](tel:+918977787657)





## Login Form

Login

Don't have an account yet? Click here to [register!](#)



## Register Form

Register

already have an account ? please login [login!](#)

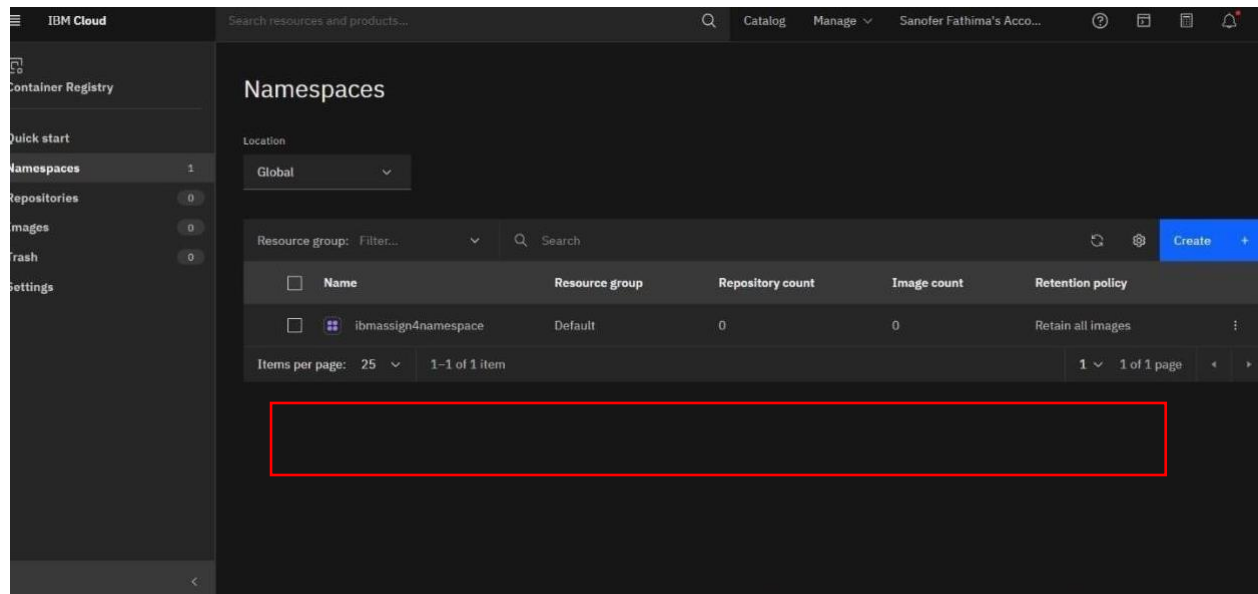
### **3. Create a IBM container registry and deploy hello world app.**

Container registry created using

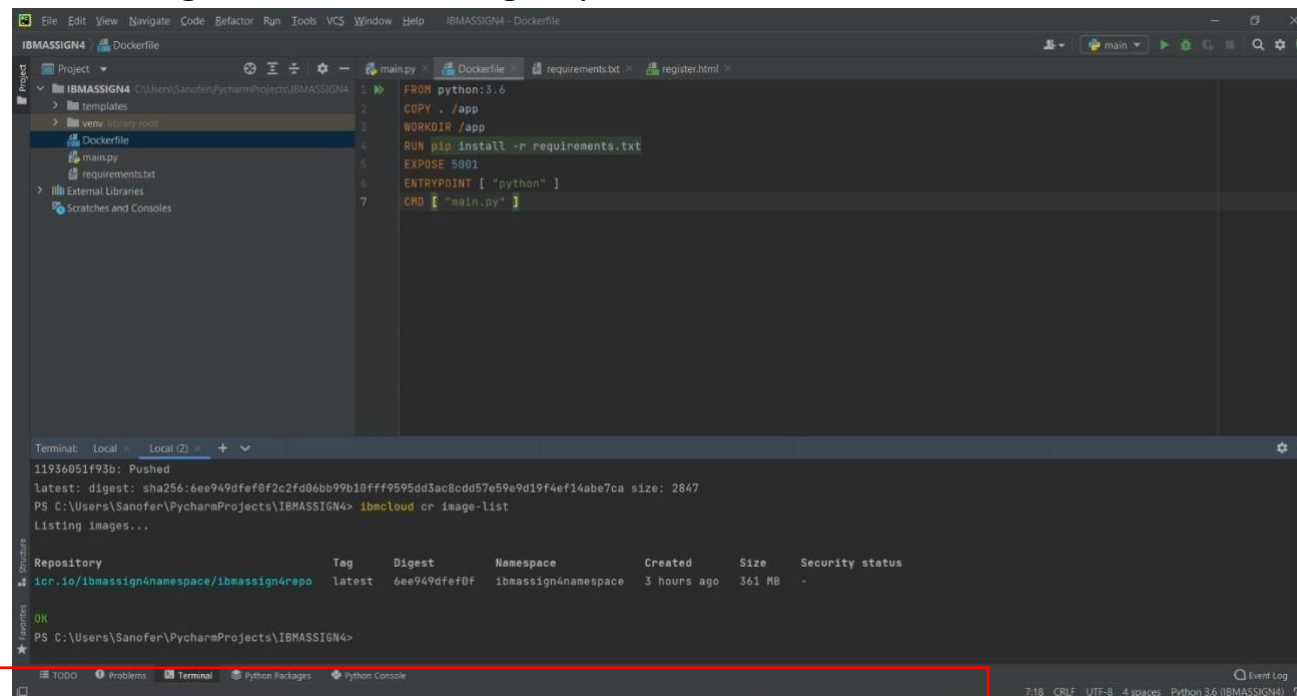
```
> docker tag sanoferrasheed/ibmassign4deploy:latest
```

```
icr.io/ibmassign4namespace/ibmassign4repo:latest
```

```
> docker push icr.io/ibmassign4namespace/ibmassign4repo:latest
```



Thus, images in container registry are



4. Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.

Thus, cluster is created.

The screenshot displays the IBM Cloud console interface. On the left sidebar, the 'Kubernetes' section is expanded, with 'Clusters' selected. The main panel shows the 'Kubernetes clusters' page. At the top, there are filters for 'Resource group' and 'Location', a search bar, and a 'Create cluster' button. Below this is a table listing the clusters. A red box highlights the first cluster, 'mycluster-free', which is in a 'Normal' state, located in 'Paris-01', has a worker count of 1, and is set to expire in 30 days. The version is 1.24.7\_1542 and the infrastructure is 'Classic'. The bottom of the screen shows a Windows taskbar with various application icons and system information like temperature and time.

Name	State	Location	Worker count	Created	Version	Infrastructure
mycluster-free	Normal	Paris-01	1	Expires in 30 days	1.24.7_1542	Classic



kubernetes

default

Search

Service > Services

Cron Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service

Ingresses

Ingress Classes

Services

Config and Storage

Config Maps

Persistent Volume Claims

Secrets

### Services

Name	Labels	Type	Cluster IP	Internal Endpoints	External Endpoints	Created
ibmassign4appln	<a href="#">Show all</a>	LoadBalancer	172.21.216.77	ibmassign4appln:5001 TCP ibmassign4appln:30878 TCP	-	7 minutes ago
kubernetes	<a href="#">Show all</a>	ClusterIP	172.21.0.1	kubernetes:443 TCP kubernetes:0 TCP	-	28 minutes ago

APP IS LIVE AT <http://159.122.174.152:30878/>

