

# ASSIGNMENT - 4

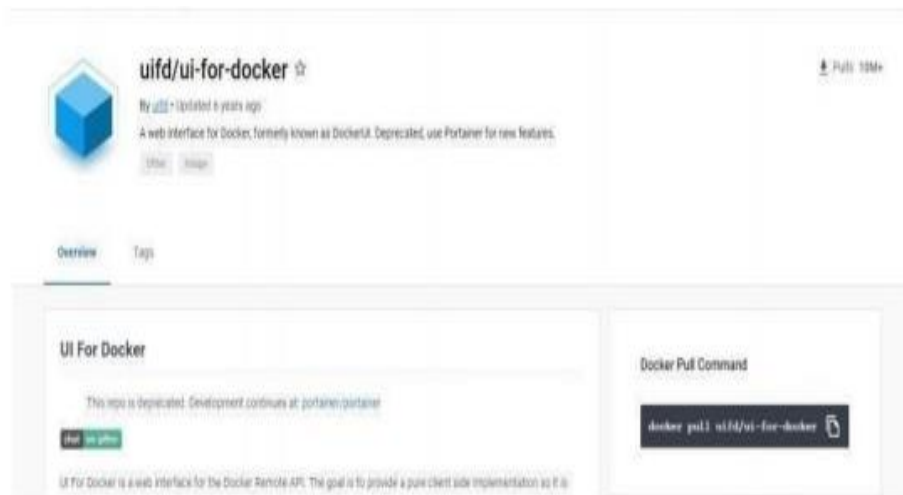
NAME :JANANI L

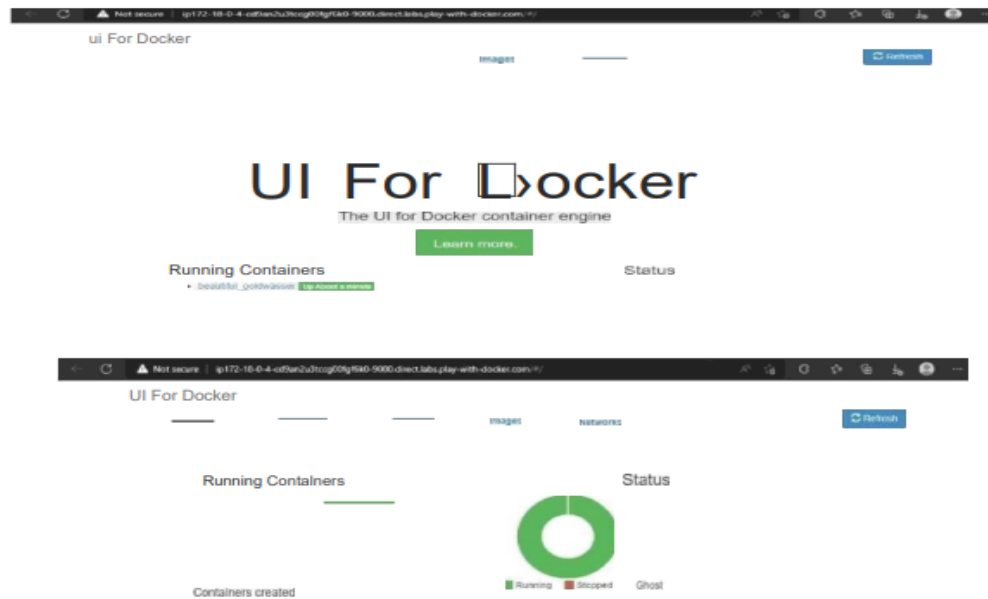
TEAM ID :PNT2022TMID22598

PROJECT NAME: SMART FASHION RECOMMENDER APPLICATION

## Question-1:

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





## Question-2:

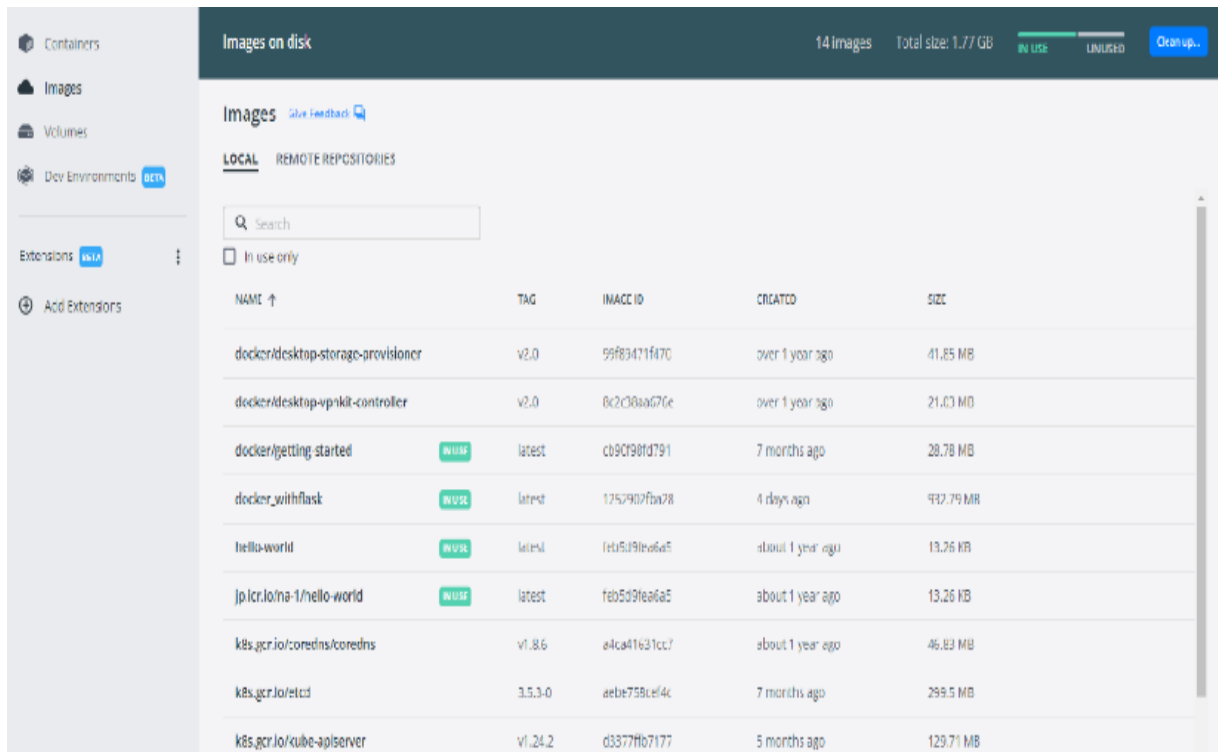
2. Create a docker file for the jobportal application and deploy it in Docker desktop application.

```

FROM ubuntu:18.04 AS base
WORKDIR /app
RUN apt-get update && apt-get install -y python3 python3-pip python3-dev
COPY requirements.txt .
RUN pip install --no-cache-dir -r requirements.txt
COPY . .
EXPOSE 8080
CMD ["python3", "app.py"]

```

A 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them



### **Question-3:**

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

Solution :

```
<html>
```

```
<body>
```

Hello, IBM Cloud

```
</body>
```

```
</html>
```

applications:

buildpack: <https://github.com/cloudfoundry/staticfile-buildpack.git>

host: simple-website- $\{\text{random}\}$

name: simple-website- $\{\text{random}\}$

memory: 64M

stack: cflinuxfs2

DEPLOY
DELETE

INPUT
JOBS
ENVIRONMENT PROPERTIES

Nothing De...

ADD JOB

Rolling Deploy
REMOVE

Deploy configuration

Deployer type
Cloud Foundry

IBM Cloud region
US South - https://api.ng.bluemix.net

Organization
bluemix\_devops@ibm.com

Space
demo

Application name
simple-website-ae7f5ff6

```

1  {
2    "ServiceId": "com.ibm.cloudoe.orion.client.deploy",
3    "Params": {
4      "Target": {
5        "Url": "https://api.ng.bluemix.net",
6        "Org": "bluemix_devops@ibm.com",
7        "Space": "demo"
8      },
9      "Name": "simple-website-ae7f5ff6",
10     "Instrumentation": {}
11   },
12   "Path": "manifest.yml",
13   "Type": "Cloud Foundry"
14 }

```

Hello, IBM Cloud

#### Question-4:

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.

Hello World!

Thanks for creating an IBM Cloud Databases for PostgreSQL database.

Add a word to the database

The word  is defined as

Database output

```

The word bye is defined as a goodbye
The word bye is defined as a farewell
The word helle is defined as a greeting
The word helle is defined as a greeting
The word helle bob is defined as a greeting
The word helle bob is defined as a greeting

```