

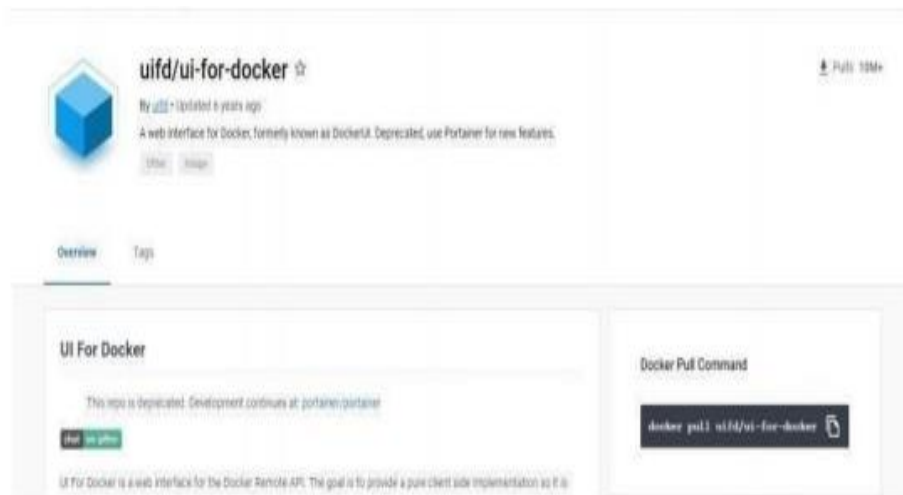
ASSIGNMENT - 4

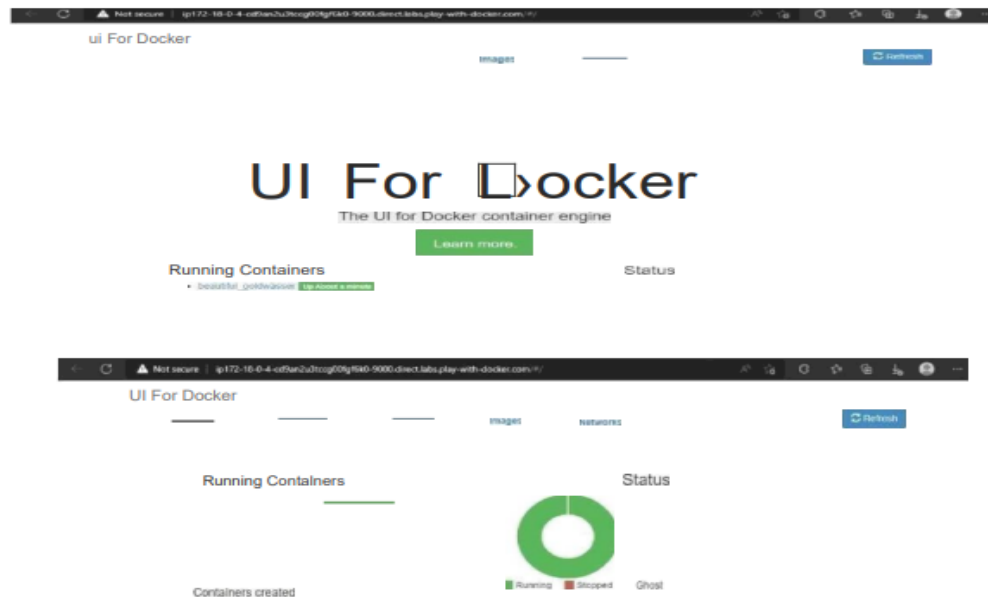
TEAM ID : PNT2022TMID19425

PROJECT NAME : SMART FASHION RECOMMENDER APPLICATION

Question-1:

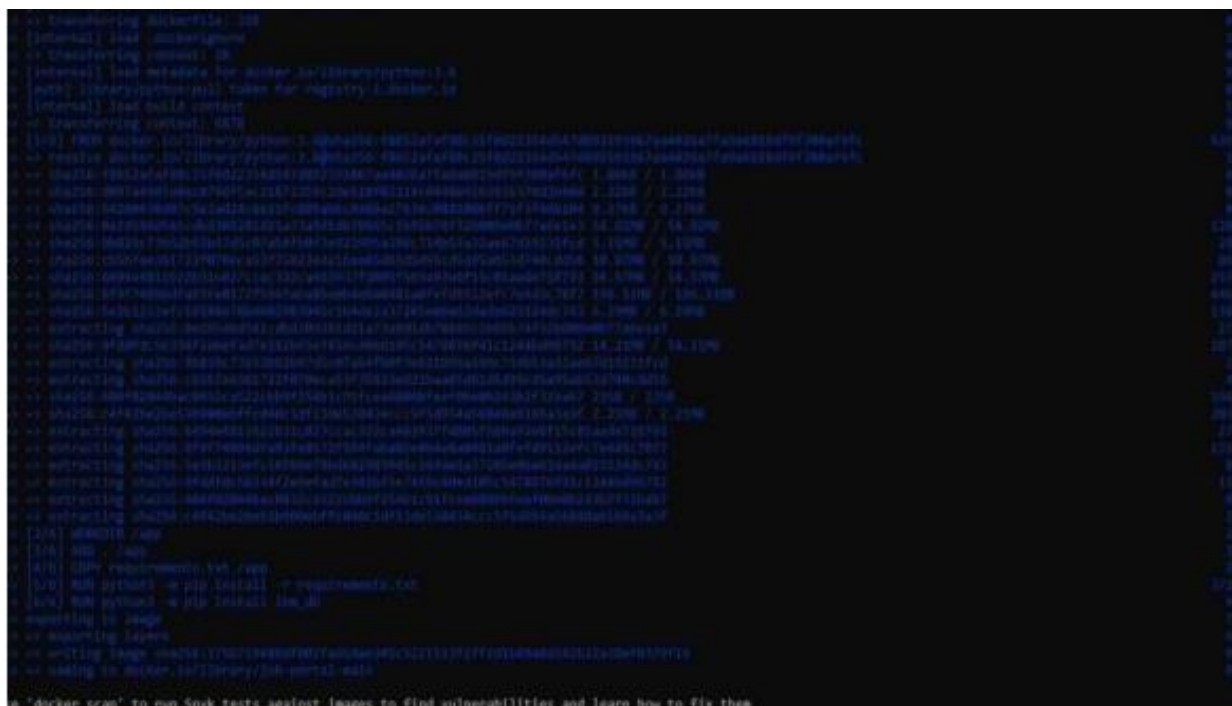
1. Pull an Image from docker hub and run it in docker playground.





Question-2:

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



The screenshot shows the 'Images on disk' section of Docker Desktop. It displays a list of 14 images with a total size of 1.77 GB. The interface includes a sidebar with navigation options like Containers, Images, Volumes, Dev Environments, Extensions, and Add Extensions. The main area shows a table of images with columns for Name, Tag, Image ID, Created, and Size. Some images are marked as 'IN USE' with a green badge.

NAME	TAG	IMAGE ID	CREATED	SIZE
docker/desktop-storage-provisioner	v2.0	99f83471f47c	over 1 year ago	41.85 MB
docker/desktop-upnikit-controller	v2.0	0c2c38aa670e	over 1 year ago	21.03 MB
docker/getting-started	latest	cb9cf98fd791	7 months ago	28.78 MB
docker_withflask	latest	1757907fba78	4 days ago	997.79 MB
hello-world	latest	1e15191ea6a5	about 1 year ago	13.26 KB
jp1cr.io/na-1/hello-world	latest	feb5d97ea6a5	about 1 year ago	13.26 KB
k8s.gcr.io/coredns/coredns	v1.8.6	a4ca41631cc7	about 1 year ago	46.83 MB
k8s.gcr.io/etcd	3.5.3-0	aeb6758c4f4c	7 months ago	299.5 MB
k8s.gcr.io/cube-api-server	v1.24.2	d3377fb7177	5 months ago	129.71 MB

Question-3:

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

Solution :

```
<html>
```

```
<body>
```

Hello, IBM Cloud

```
</body>
```

```
</html>
```

applications:

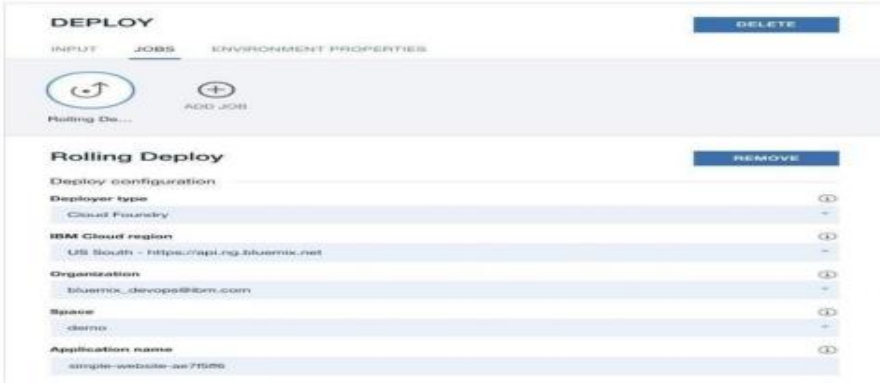
buildpack: <https://github.com/cloudfoundry/staticfile-buildpack.git>

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

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

memory: 64M

stack: cflinuxfs2



The screenshot shows the 'DEPLOY' console with tabs for 'INPUT', 'JOBS', and 'ENVIRONMENT PROPERTIES'. The 'JOBS' tab is active, showing a 'Rolling Deploy' job configuration. The configuration includes the following fields:

- 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

Below the configuration, a JSON snippet is shown, representing the deployment configuration:

```

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 }

```

At the bottom, a button labeled 'Hello, IBM Cloud' is visible.

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.

