

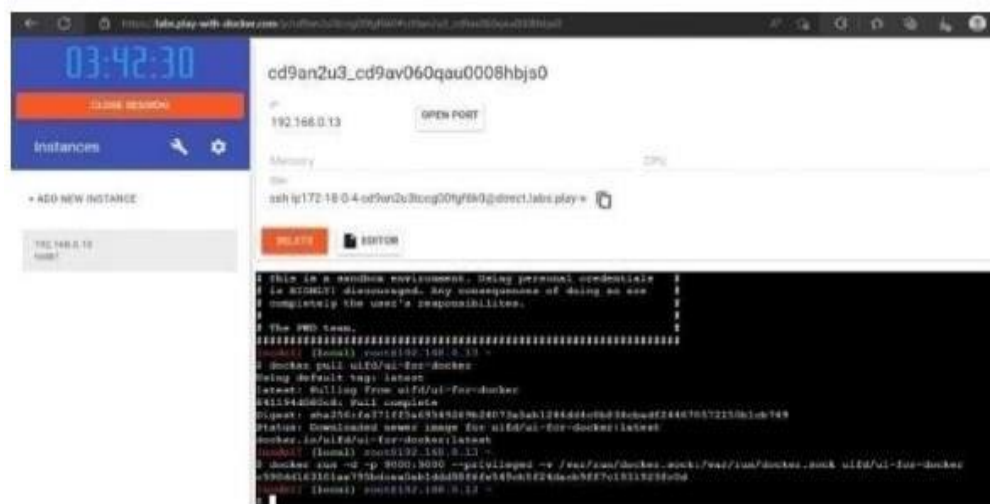
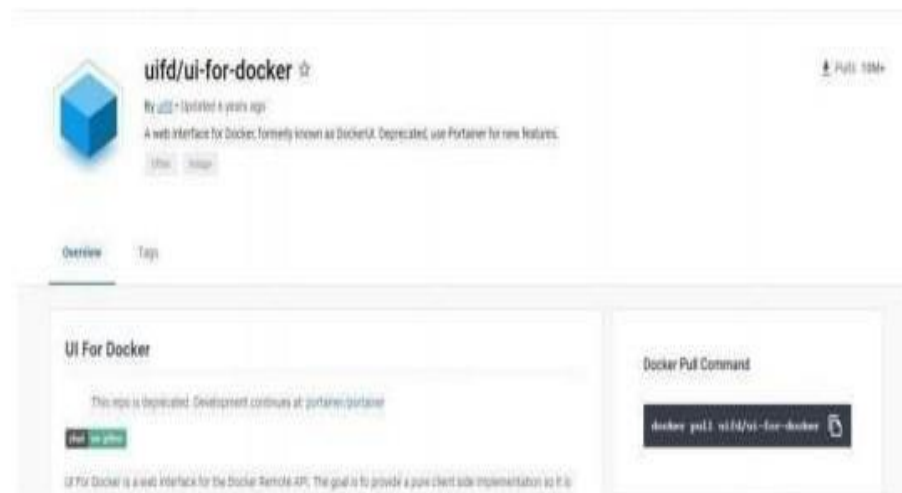
ASSIGNMENT - 4

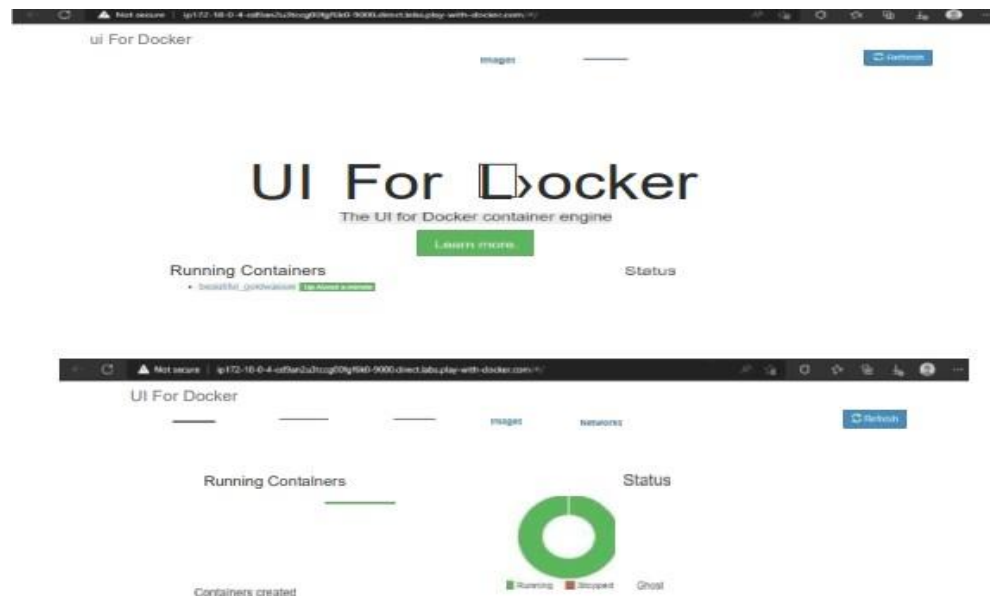
TEAM ID : PNT2022TMID19814

PROJECT NAME : SMART FASHION RECOMMENDER APPLICATION

Question-1:

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

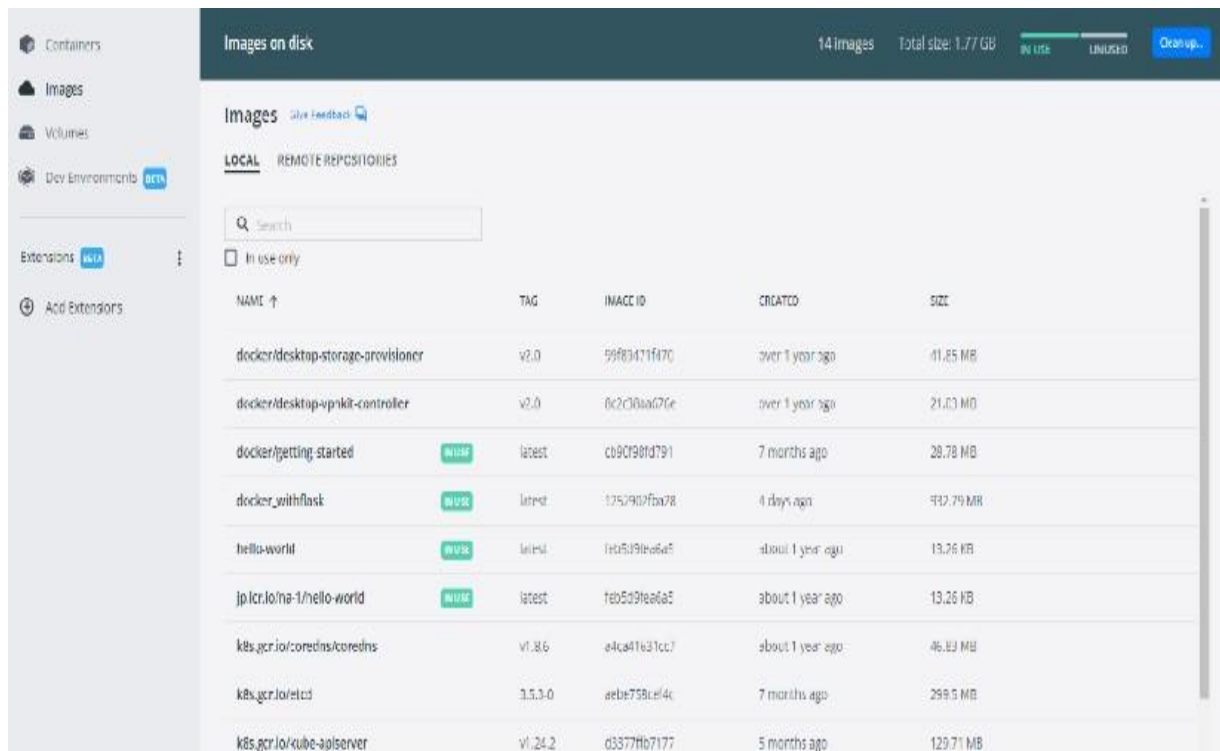




Question-2:

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

[illegible]



Question-3:

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

Solution :

```
<html>
```

```
<body>
```

Hello, IBM Cloud

```
</body>
```

```
</html>
```

applications:

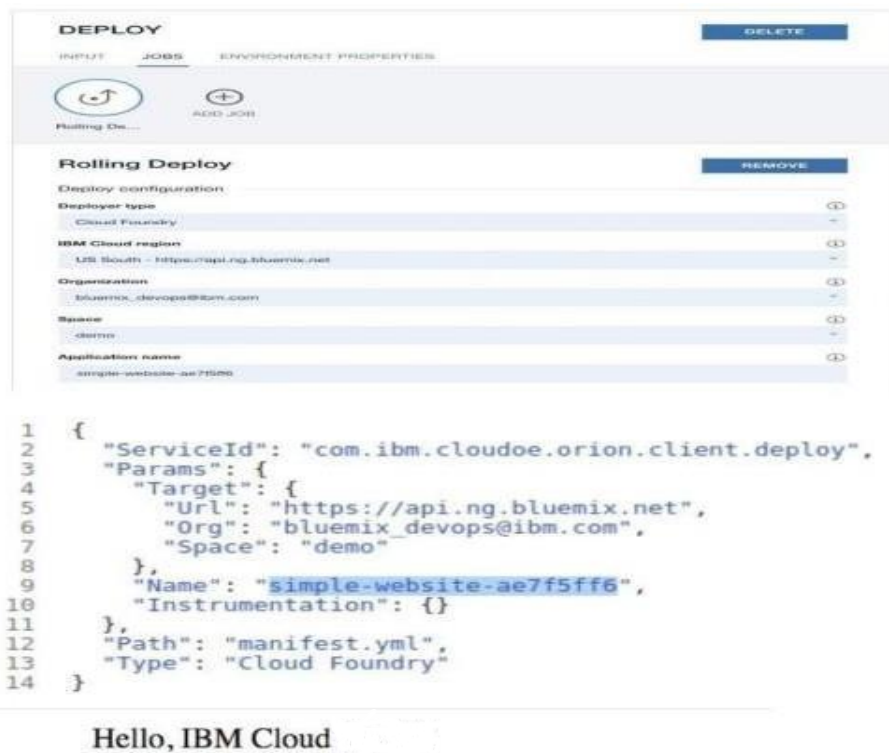
buildpack: <https://github.com/cloudfoundry/staticfile-buildpack.git>

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

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

memory: 64M

stack: cflinuxfs2



The screenshot shows the IBM Cloud Deploy console. At the top, there are tabs for 'INPUT', 'JOBS', and 'ENVIRONMENT PROPERTIES'. Below these, there's a 'Rolling Deploy' section with a 'REMOVE' button. The configuration details are as follows:

- 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

Below the configuration, there's a JSON manifest for the deployment:

```

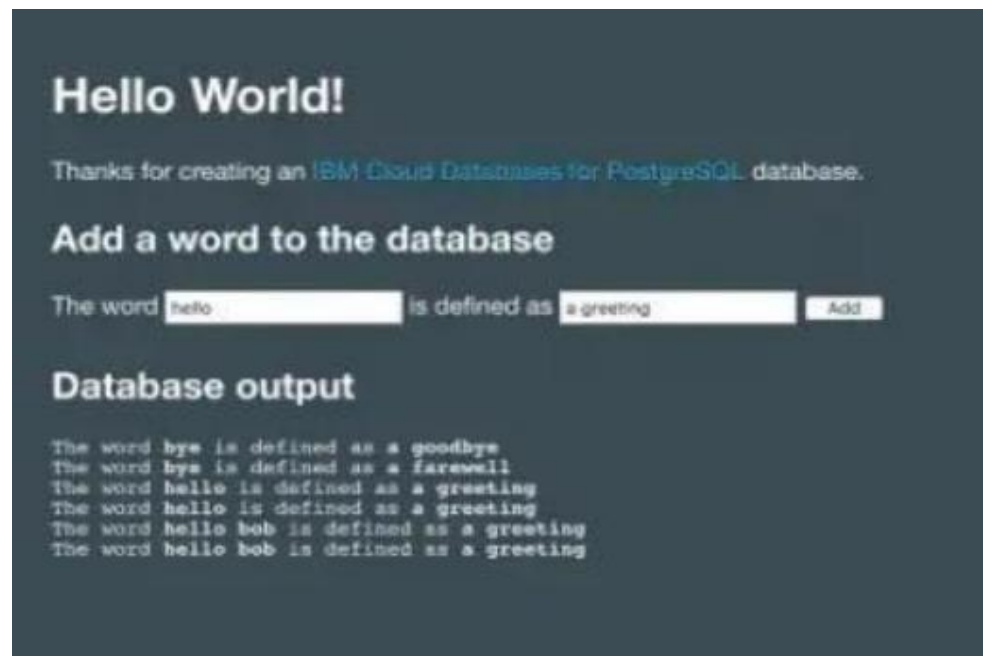
1 {
2   "ServiceId": "com.ibm.cloudoe.orion.client.deploy",
3   "Params": {
4     "Target": {
5       "Url": "https://api.ng.bluemix.net",
6       "Org": "bluemix_devops@ibm.com",
7       "Space": "demo"
8     },
9     "Name": "simple-website-ae7f5ff6",
10    "Instrumentation": {}
11  },
12  "Path":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

```

At the bottom, there's a 'Hello, IBM Cloud' message with a small icon.

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.



The screenshot shows a web application interface with a dark blue background. At the top, it says 'Hello World!'. Below that, it says 'Thanks for creating an IBM Cloud Databases for PostgreSQL database.' Then, there's a section titled 'Add a word to the database'. It shows a form where the word 'hello' is entered, and it is defined as 'a greeting'. Below this, there's a section titled 'Database output' which shows a list of words and their definitions:

```

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

```