

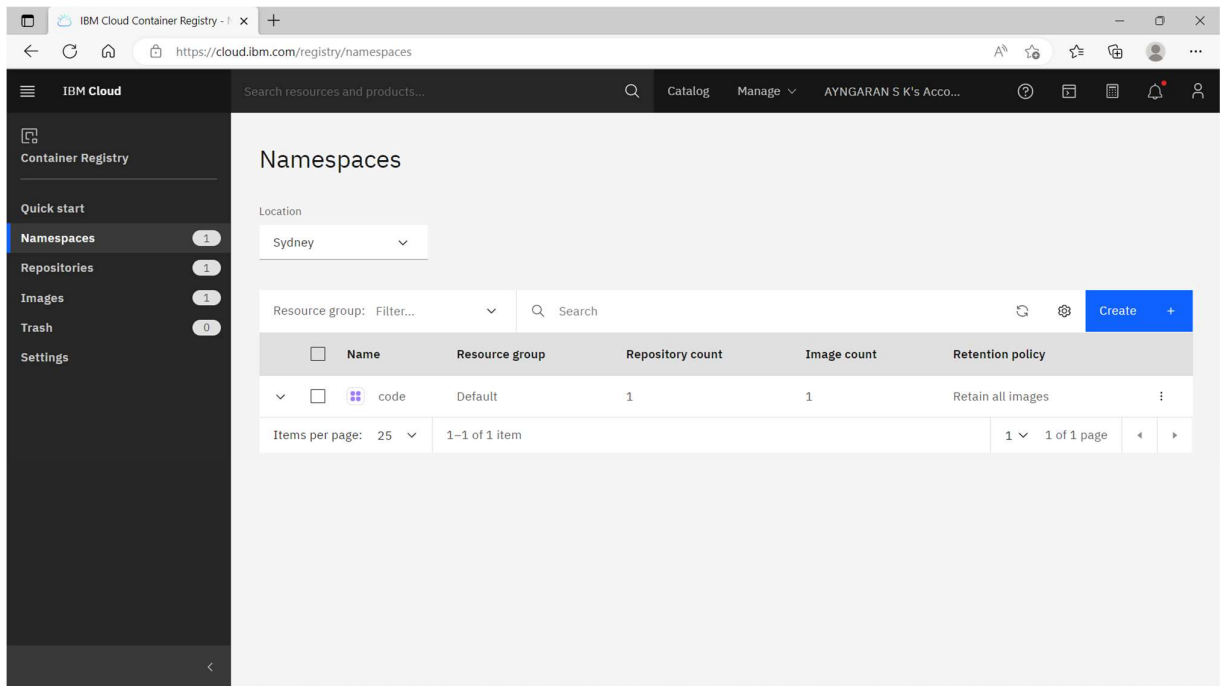
## ASSIGNMENT 4

Date	10.11.2022
Student Name	AYNGARAN S K
Student roll no	621319104008
Marks	2 marks

### **QUESTIONS:**

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

## SCREENSHOTS:



```
C:\Windows\System32\cmd.exe

Email> ayngaran4801@gmail.com
Password>
Authenticating...
OK

Targeted account AYNGARAN S K's Account (cf75c6313a1c4c14bf08eba2c7ab27e2)

API endpoint: https://cloud.ibm.com
Region: jp-tok
User: ayngaran4801@gmail.com
Account: AYNGARAN S K's Account (cf75c6313a1c4c14bf08eba2c7ab27e2)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

D:\windows\work>docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

D:\windows\work>ibmcloud cr login
Logging 'docker' in to 'au.icr.io'...
Logged in to 'au.icr.io'.

OK

D:\windows\work>docker tag au.icr.io/code/repo:test1

D:\windows\work>docker push au.icr.io/code/repo:test1
The push refers to repository [au.icr.io/code/repo]
90aac896f5a5: Pushed
386e6e4e0f09: Pushed
1f1345fbfd1: Pushed
ad0bcf297434: Pushed
aa4c080c19f6: Pushed
8ba9f690e8ba: Pushed
3e07d59ef9f: Pushed
1e18e7e1fcc2: Pushed
c2a0d593cd24: Pushed
26a594e63be4: Pushed
8bf42db0de72: Pushed
31892cc314cb: Pushed
11936051f93b: Pushed
test1: digest: sha256:07cbfea787036cc1c3ca81b112a89dc7d4a517e0fc3bcd608c94ade83e644ae7 size: 3050

D:\windows\work>
```

```
C:\Windows\System32\cmd.exe - docker run -p 5000:5000 work
D:\windows\work\docker run -p 5000:5000 work
* 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: on
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 121-713-660
```

