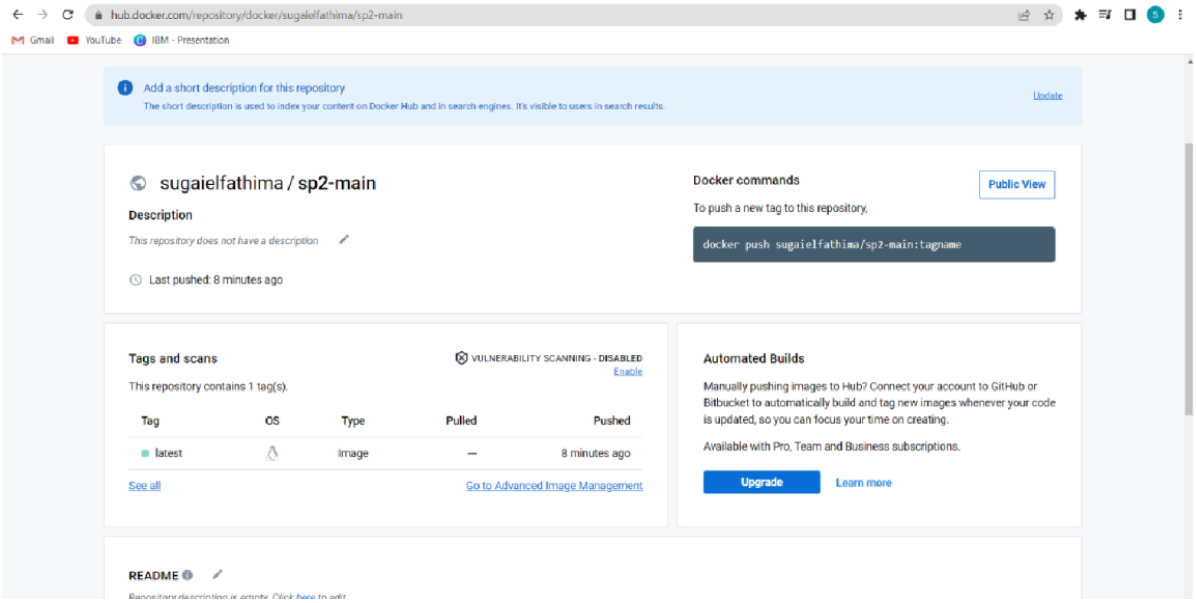
PROJECT DEVELOPMENT PHASE
SPRINT - 4

Date	24 November 2022
Team ID	PNT2022TMID43829
Project Name	Smart Fashion Recommender Application
Maximum Marks	

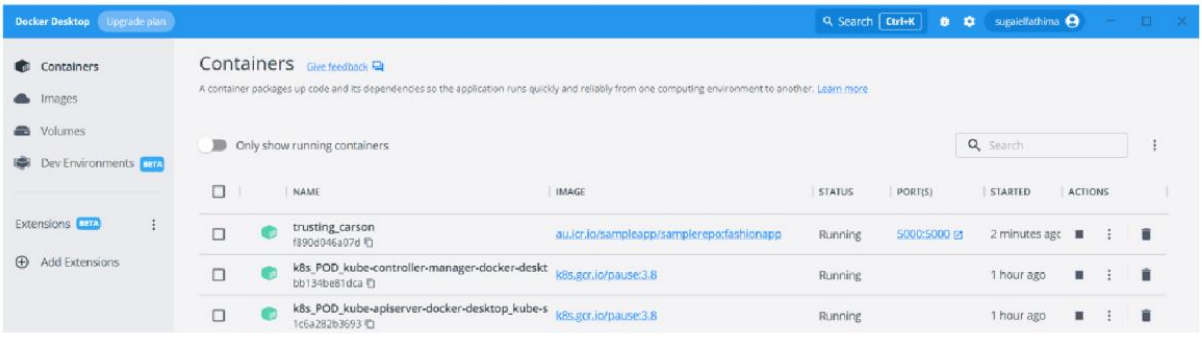
Building Docker :

```
C:\Users\SUGAIEL FATHIMA\Downloads\sprint2-main\sprint2-main>docker build -t sprint2-main .
[+] Building 57.9s (12/12) FINISHED
 => [internal] load build definition from Dockerfile                                                                0.0s
 => => transferring dockerfile: 32B                                                                                 0.0s
 => [internal] load .dockerignore                                                                                   0.0s
 => => transferring context: 2B                                                                                     0.0s
 => [internal] load metadata for docker.io/library/python:3.6                                                       4.3s
 => [auth] library/python:pull token for registry-1.docker.io                                                       0.0s
 => [internal] load build context                                                                                   0.0s
 => => transferring context: 4.66kB                                                                                 0.0s
 => [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f308af6   0.0s
 => CACHED [2/6] WORKDIR /app                                                                                       0.0s
 => [3/6] ADD . /app                                                                                                0.1s
 => [4/6] COPY requirements.txt /app                                                                                0.0s
 => [5/6] RUN python3 -m pip install -r requirements.txt                                                           51.3s
 => [6/6] RUN python3 -m pip install ibm_db                                                                         1.0s
 => exporting to image                                                                                              1.0s
 => => exporting layers                                                                                             1.0s
 => => writing image sha256:6ce2c074559a79aac76bd066243b3005317495bab99e1674c5f06142f9efdc0d                        0.0s
 => => naming to docker.io/library/sprint2-main                                                                     0.0s

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

C:\Users\SUGAIEL FATHIMA\Downloads\sprint2-main\sprint2-main>docker images
REPOSITORY          TAG       IMAGE ID       CREATED          SIZE
sprint2-main        latest    6ce2c074559a   28 seconds ago   1.08GB
<none>              <none>    35762d3ac67a   11 hours ago     1.08GB
uifd/ui-for-docker  latest    965940f98fa5   6 years ago      8.1MB

C:\Users\SUGAIEL FATHIMA\Downloads\sprint2-main\sprint2-main>docker run -p 5000:5000 sprint2-main
 * 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://172.17.0.2:5000/ (Press CTRL+C to quit)
172.17.0.1 - - [17/Nov/2022 14:23:43] "GET / HTTP/1.1" 200 -
172.17.0.1 - - [17/Nov/2022 14:23:43] "GET /static/home.css HTTP/1.1" 200 -
172.17.0.1 - - [17/Nov/2022 14:23:43] "GET /static/img/accessories1.png HTTP/1.1" 200 -
172.17.0.1 - - [17/Nov/2022 14:23:43] "GET /static/img/men1.png HTTP/1.1" 200 -
172.17.0.1 - - [17/Nov/2022 14:23:43] "GET /static/img/women2.png HTTP/1.1" 200 -
172.17.0.1 - - [17/Nov/2022 14:23:43] "GET /static/img/accessories2.png HTTP/1.1" 200 -
172.17.0.1 - - [17/Nov/2022 14:23:43] "GET /static/img/women1.png HTTP/1.1" 200 -
172.17.0.1 - - [17/Nov/2022 14:23:43] "GET /static/img/men2.png HTTP/1.1" 200 -
172.17.0.1 - - [17/Nov/2022 14:23:43] "GET /static/img/home2.jpg HTTP/1.1" 200 -
```

Creating Repository in Docker Hub :

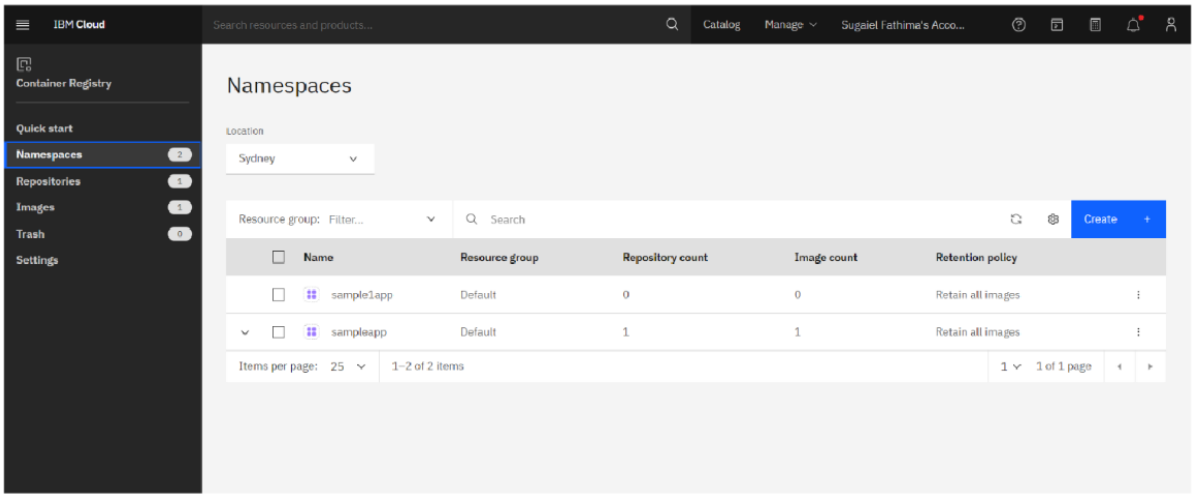


Pushing Docker into Container :

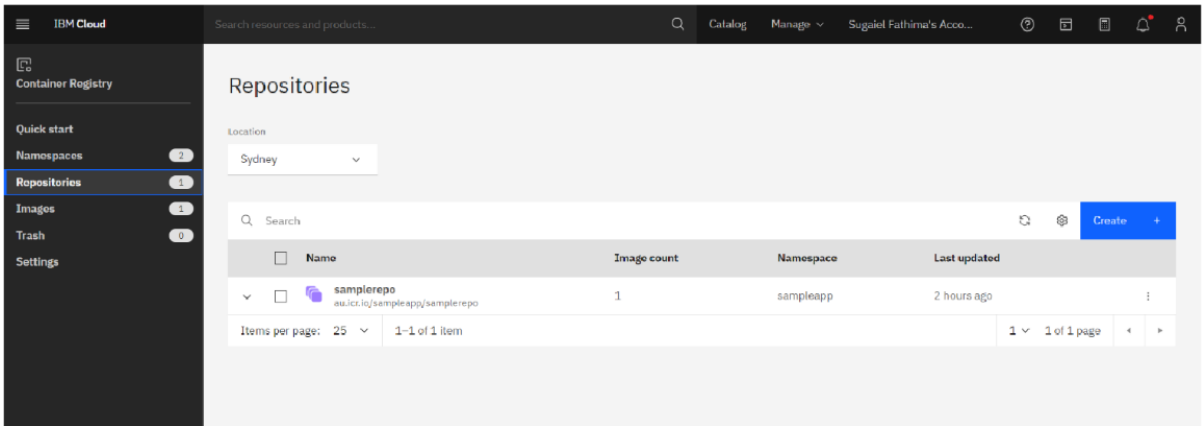


Pushing Image to Container Registry :

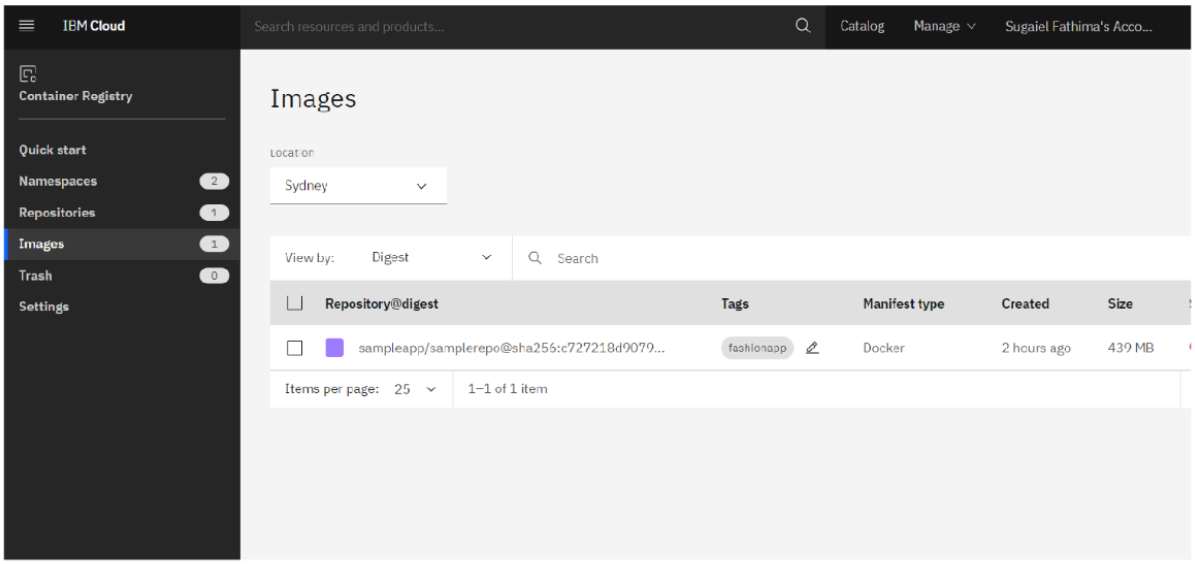
Creating Namespace -



Creating Repository -

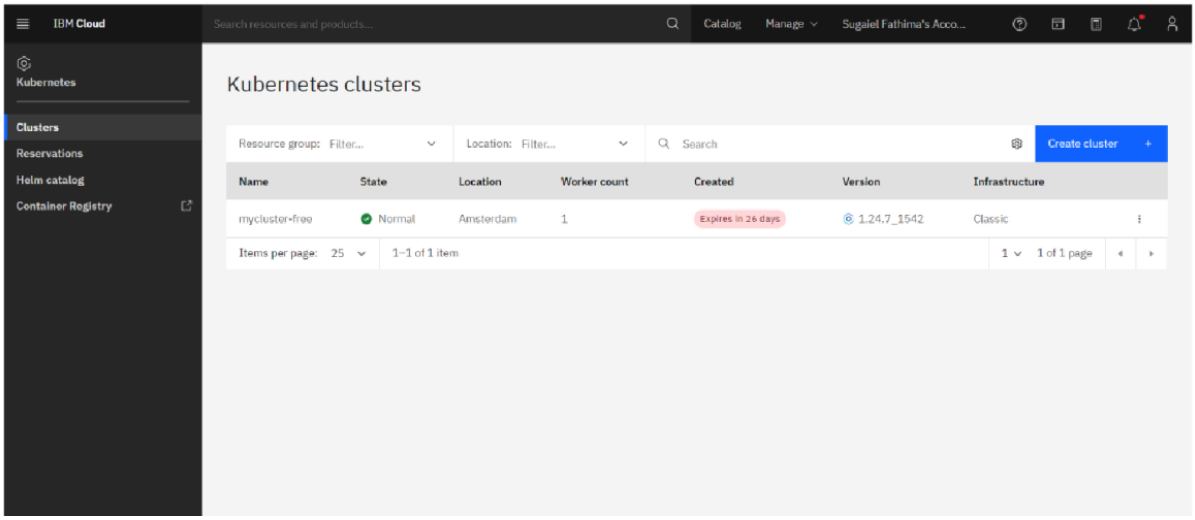


Creating Image

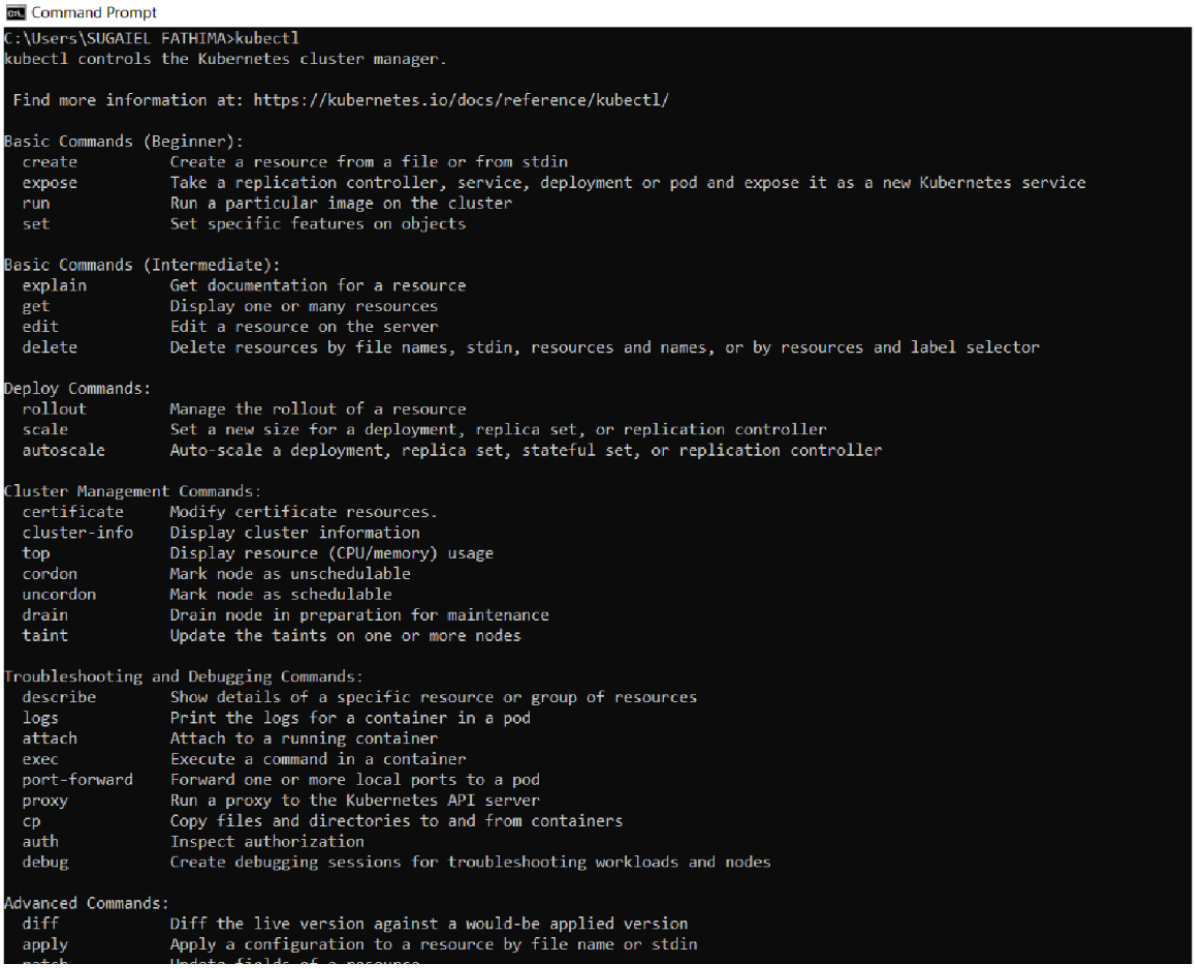


Deploy in Kubernetes :

Creating Cluster –



Deployment -


Command Prompt
C:\Users\SUGAIEL FATHIMA>kubectl
kubectl controls the Kubernetes cluster manager.
Find more information at: https://kubernetes.io/docs/reference/kubectl/
Basic Commands (Beginner):
create Create a resource from a file or from stdin
expose Take a replication controller, service, deployment or pod and expose it as a new Kubernetes service
run Run a particular image on the cluster
set Set specific features on objects
Basic Commands (Intermediate):
explain Get documentation for a resource
get Display one or many resources
edit Edit a resource on the server
delete Delete resources by file names, stdin, resources and names, or by resources and label selector
Deploy Commands:
rollout Manage the rollout of a resource
scale Set a new size for a deployment, replica set, or replication controller
autoscale Auto-scale a deployment, replica set, stateful set, or replication controller
Cluster Management Commands:
certificate Modify certificate resources.
cluster-info Display cluster information
top Display resource (CPU/memory) usage
cordon Mark node as unschedulable
uncordon Mark node as schedulable
drain Drain node in preparation for maintenance
taint Update the taints on one or more nodes
Troubleshooting and Debugging Commands:
describe Show details of a specific resource or group of resources
logs Print the logs for a container in a pod
attach Attach to a running container
exec Execute a command in a container
port-forward Forward one or more local ports to a pod
proxy Run a proxy to the Kubernetes API server
cp Copy files and directories to and from containers
auth Inspect authorization
debug Create debugging sessions for troubleshooting workloads and nodes
Advanced Commands:
diff Diff the live version against a would-be applied version
apply Apply a configuration to a resource by file name or stdin