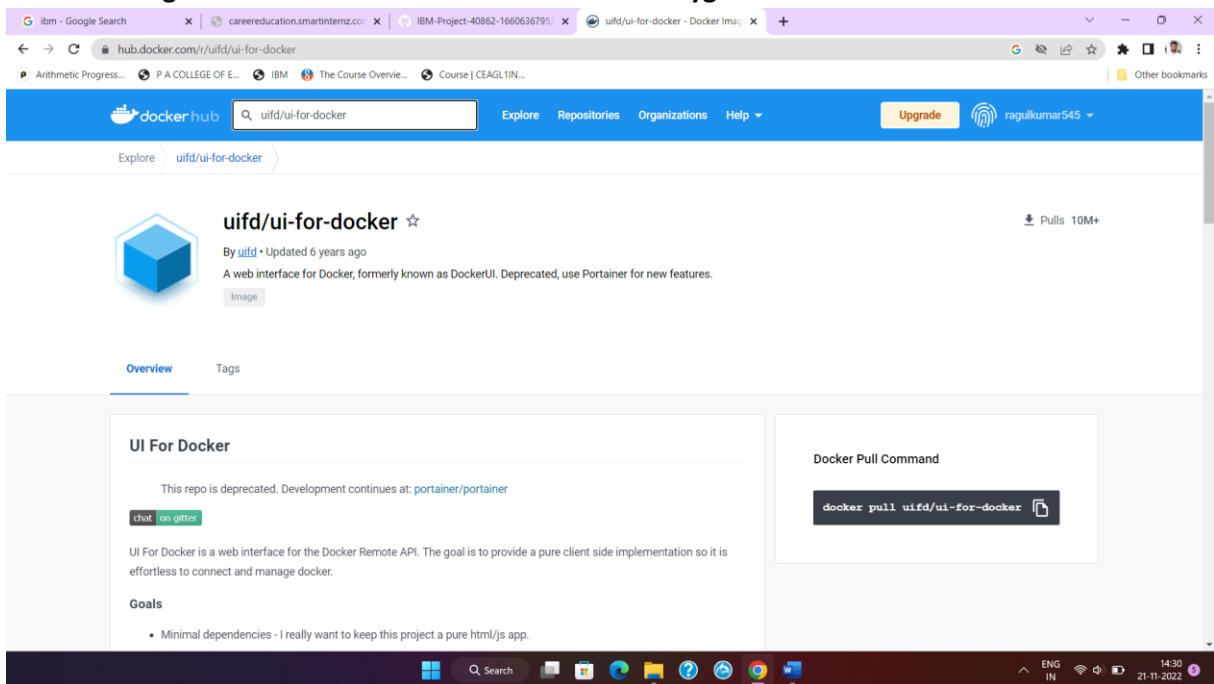


## Assignment -4

### Docker and Kubernetes

Assignment Date	21 November 2022
Student Name	Sri Kumar S
Student Roll Number	721719104308
Maximum Marks	2 Marks

#### 1.Pull an image from docker hub and run it in docker Playground



The screenshot displays the Docker Hub interface for the repository `uifd/ui-for-docker`. The repository is marked as deprecated, with a note indicating that development continues at `portainer/portainer`. The page includes a 'chat on github' button and a 'Goals' section stating the project's aim for minimal dependencies. A 'Docker Pull Command' box shows the command `docker pull uifd/ui-for-docker`. The page also features a 'Pulls 10M+' badge and a 'Tags' section.

IBM - Google Search | careereducation.smartintenz.com | IBM-Project-40862-1660636795 | uifd/ui-for-docker - Docker Images | Docker Playground

labs.play-with-docker.com/p/ctdtsvf91rrg008mlhug#ctdtsvf9\_cdtjtpu3tccg00csj59g

Arithmetic Progress... | P A COLLEGE OF E... | IBM | The Course Overvie... | Course | CEAGL1N...

03:57:45

CLOSE SESSION

Instances

+ ADD NEW INSTANCE

192.168.0.18  
node1

cdtjsvf9\_cdtjtpu3tccg00csj59g

IP: 192.168.0.18 OPEN PORT

Memory: 0.94% (37.41MiB / 3.906GiB) CPU: 0.16%

SSH: ssh ip172-18-0-40-cdtjsvf91rrg008mlhug@direct.labs.play-w

DELETE EDITOR

```

#####
# WARNING!!!!
# This is a sandbox environment. Using personal credentials
# is HIGHLY! discouraged. Any consequences of doing so are
# completely the user's responsibilities.
#
# The FWD team.
#####
(node1) (local) root@192.168.0.18 ~
$ docker pull uifd/ui-for-docker
Using default tag: latest
latest: Pulling from uifd/ui-for-docker
841194d080c8: Pull complete
Digest: sha256:fe371ff5a69549269b24073a5ab1244dd4c0b834cbadf244870572150b1cb749
Status: Downloaded newer image for uifd/ui-for-docker:latest
docker.io/uifd/ui-for-docker:latest
(node1) (local) root@192.168.0.18 ~
$
  
```

Windows taskbar: Search, 14:34, 21-11-2022

## 2.Create a docker file for the job portal application and deploy it in Docker desktop application

IBM - Google Search | careereducation.sma... | IBM-Project-40862-1... | uifd/ui-for-docker - Docker Images | TOP 6 GUI tools for Docker | Kitematic: A Docker GUI Joins the Docker Family 2 | Docker Desktop 6 GUI tools for Docker

docker.com/blog/kitematic-a-docker-gui-joins-the-docker-family/

Arithmetic Progress... | P A COLLEGE OF E... | IBM | The Course Overvie... | Course | CEAGL1N...

Containers

New Container

Select an image to create a new container.

Recommended

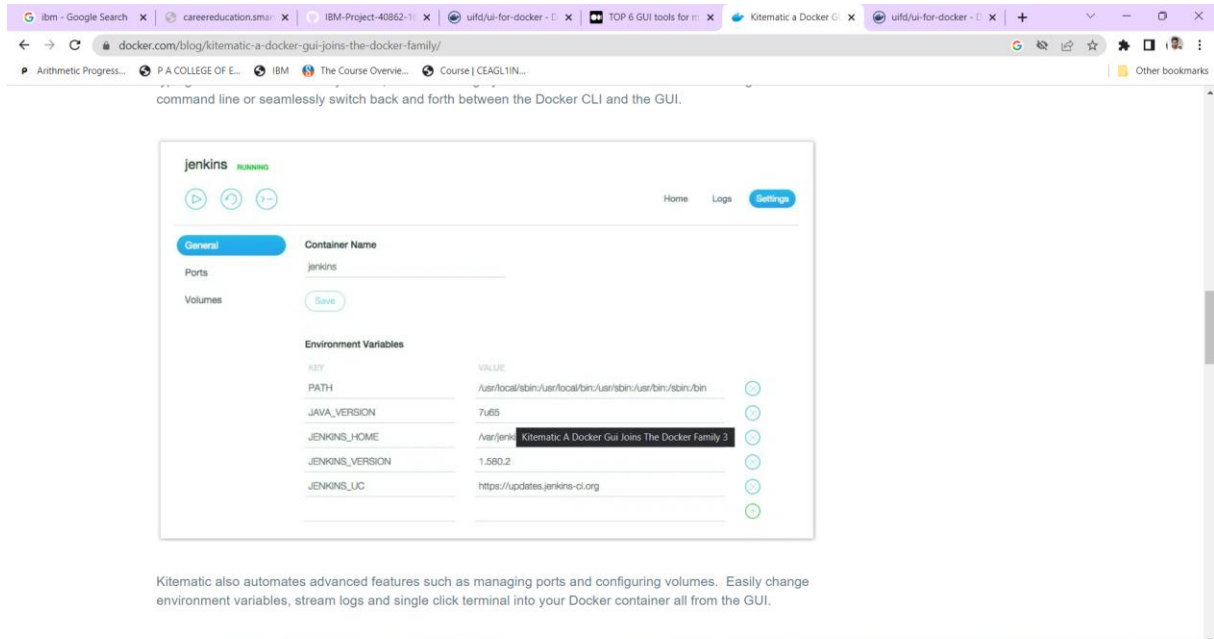
- hello-world-nginx: Hello World Nginx server for Kitematic
- ghost: Ghost is a simple publishing platform that allows you to share your stories with the world.
- jenkins: Official Jenkins Docker image
- redis: Redis is an open source key-value store that functions as a data structure server.
- rethinkdb: RethinkDB is an open-source, document database that makes it easy to build and scale real-time...
- minecraft: The Minecraft multiplayer server allows two or more players to play Minecraft together

Kitematic completely automates the Docker installation and setup process and provides an intuitive graphical

Community All-Hands: On-Demand  
All sessions from our 6th Community All-Hands are now available on-demand! Over 35 talks cover best practices, demos, open source, product updates, community news, and more. Catch up on the sessions you missed—or review your favorites.

Watch Now

Windows taskbar: Search, 14:37, 21-11-2022



```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\rocky>docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS          NAMES
a908bf0e027b   docker/getting-started:latest  "/docker-entrypoint..."  19 minutes ago  Up 18 minutes  80/tcp         mystifying_satoshi
47f6a9af762b   docker/getting-started  "/docker-entrypoint..."  34 minutes ago  Up 34 minutes  0.0.0.0:80->80/tcp  cranky_antonelli

C:\Users\rocky>docker info
Client:
Context:      default
Debug Mode:  false
Plugins:
  buildx: Docker Buildx (Docker Inc., v0.9.1)
  compose: Docker Compose (Docker Inc., v2.12.2)
  dev: Docker Dev Environments (Docker Inc., v0.0.3)
  extension: Manages Docker extensions (Docker Inc., v0.2.13)
  sbom: View the packaged-based Software Bill Of Materials (SBOM) for an image (Anchore Inc., 0.6.0)
  scan: Docker Scan (Docker Inc., v0.21.0)

Server:
Containers: 2
  Running: 2
  Paused: 0
  Stopped: 0
Images: 1
Server Version: 20.10.21
Storage Driver: overlay2
  Backing Filesystem: extfs
  Supports d_type: true
  Native Overlay Diff: true
  userxattr: false
Logging Driver: json-file
Cgroup Driver: cgroupfs
Cgroup Version: 1
Plugins:
  Volume: local
  Network: bridge host ipvlan macvlan null overlay
  Log: awslogs fluentd gcplogs gelf journald json-file local logentries splunk syslog
Swarm: inactive
```

```
Command Prompt
Security Options:
  seccomp
    Profile: default
Kernel Version: 5.10.102.1-microsoft-standard-WSL2
Operating System: Docker Desktop
OSType: linux
Architecture: x86_64
CPUs: 8
Total Memory: 3.657GiB
Name: docker-desktop
ID: A6AN:BUU7:PY63:AWAN:WVQI:WQ55:YTC5:UTMH:IH7N:K55X:XEYF:CFUP
Docker Root Dir: /var/lib/docker
Debug Mode: false
HTTP Proxy: http.docker.internal:3128
HTTPS Proxy: http.docker.internal:3128
No Proxy: hubproxy.docker.internal
Registry: https://index.docker.io/v1/
Labels:
Experimental: false
Insecure Registries:
  hubproxy.docker.internal:5000
  127.0.0.0/8
Live Restore Enabled: false

WARNING: No blkio throttle.read_bps_device support
WARNING: No blkio throttle.write_bps_device support
WARNING: No blkio throttle.read_iops_device support
WARNING: No blkio throttle.write_iops_device support

C:\Users\rocky>
```

