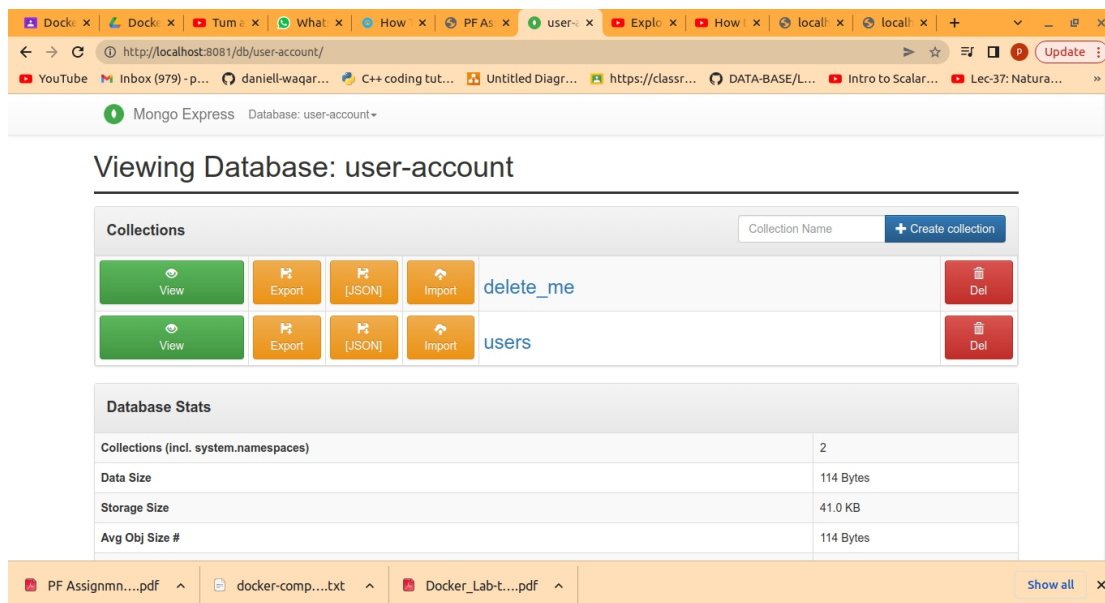


Waqar Ahmed

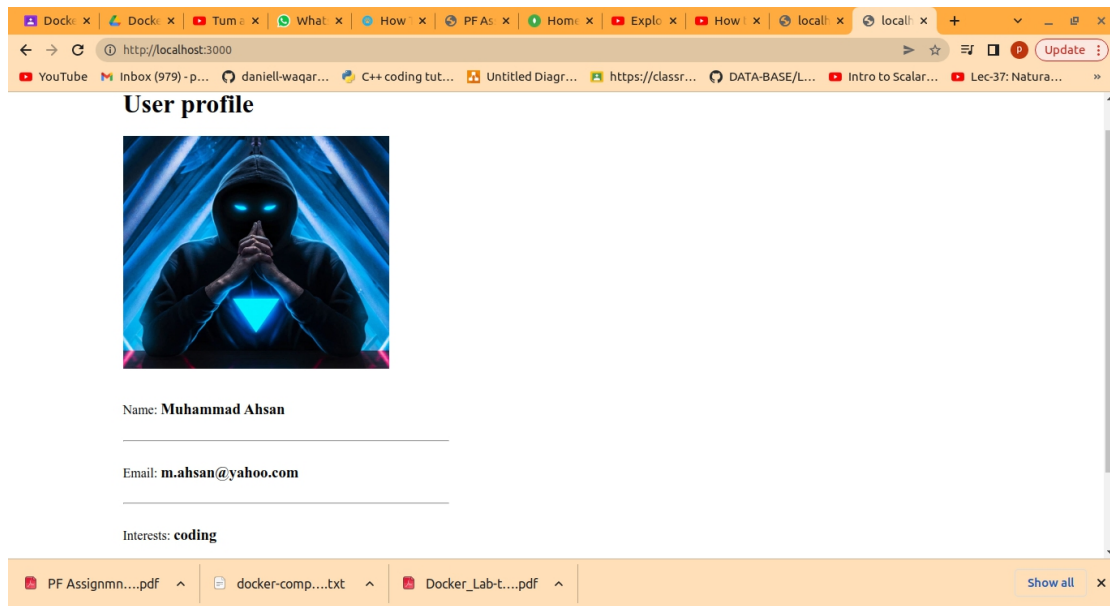
20P-0750

Task-1:

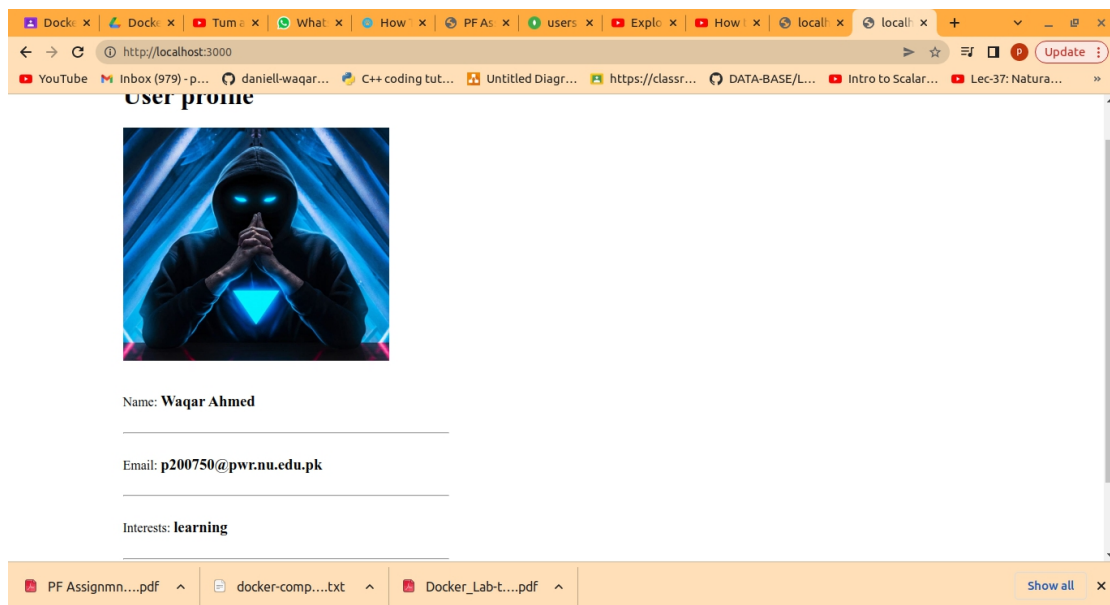
Accessing the mongo-express from browser,
creating database and collection



Once app starts, accessing app on browser screen
looks like below screenshot



Now by editing profile



after updating profile I go to database from browser, I see below output

Mongo Express Database: user-account Collection: users

Viewing Collection: users

[New Document](#) [New Index](#)

[Simple](#) [Advanced](#)

Key Value String [Find](#)

Delete all 1 documents retrieved

| _id | userid | email | interests | name |
|--------------------------|--------|-----------------------|-----------|-------------|
| 63407029f6109e445859eb0f | 1 | p200750@pwr.nu.edu.pk | learning | Waqar Ahmed |

[Rename Collection](#)

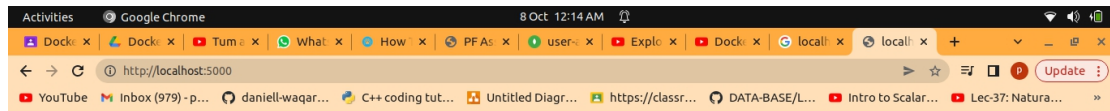
PF Assignmentn....pdf docker-comp....txt Docker_Lab-t....pdf [Show all](#)

now running command “docker ps”

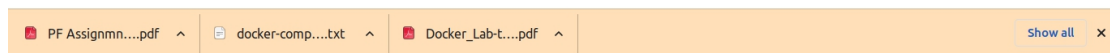
```
waqar@waqar-Latitude-E6540:~/Documents/NodeApp(Task-1)/NodeApp/app$ docker ps
CONTAINER ID   IMAGE             COMMAND                  CREATED        STATUS
PORTS
2f81c636dbf8   mongo-express     "tini -- /docker-ent..." 17 minutes ago Up 17 m
inutes        0.0.0.0:8081->8081/tcp, :::8081->8081/tcp   docker-compose_mongo-ex
press_1
a9c52035d84e   mongo             "docker-entrypoint.s..." 17 minutes ago Up 17 m
inutes        0.0.0.0:27017->27017/tcp, :::27017->27017/tcp   docker-compose_mongodb_
1
waqar@waqar-Latitude-E6540:~/Documents/NodeApp(Task-1)/NodeApp/app$
```

Task-2

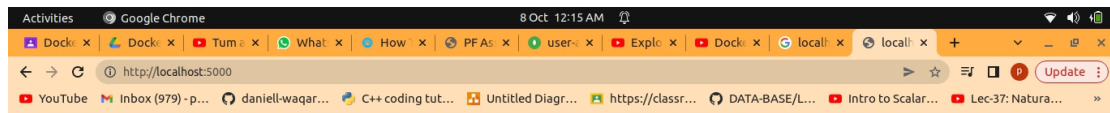
I build image using Dockerfile and run container using docker-compose. once container start i am able to access app on browser and i see below initial message.



Hello OS-Lab Again! I have been seen 1 times.



after refreshing 10 times..



Hello OS-Lab Again! I have been seen 10 times.



Checking the status of containers are they running or not!

```
waqar@waqar-Latitude-E6540:~/Documents/PythonApp(Task-2)$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS
PORTS         NAMES
b0f5ea64f6aa   pythonapp_web  "flask run"              35 minutes ago Up 33 m
0.0.0.0:5000->5000/tcp, :::5000->5000/tcp   pythonapp_web_1
5697417b5a7e   redis:alpine   "docker-entrypoint.s..." 58 minutes ago Up 33 m
6379/tcp      pythonapp_redis_1
waqar@waqar-Latitude-E6540:~/Documents/PythonApp(Task-2)$
```

containers are up that means they are in running state.