- 1) Some part before
- 2) Convert into mysql
- 3) mkdir todobackendmysql

ls

```
azureuser@vmdocker:~$ mkdir todobackendmysql
azureuser@vmdocker:~$ ls
PyTodoBackendMonolith ReactTodoUIMonolith snap todobackendmysql
```

4) touch app.py

ls

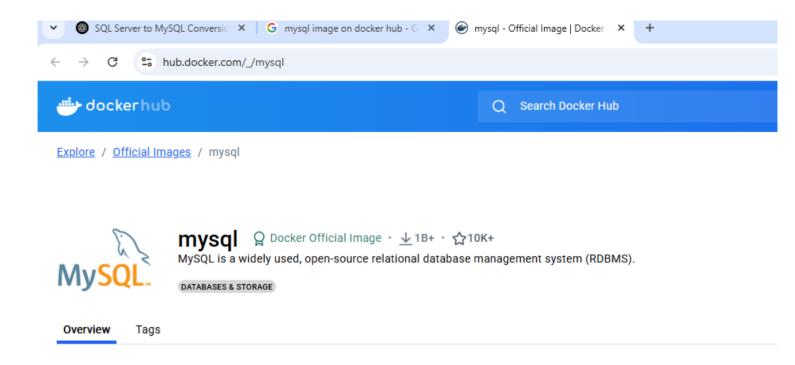
```
azureuser@vmdocker:~/todobackendmysql$ touch app.py
azureuser@vmdocker:~/todobackendmysql$ ls
app.py
```

- 5) chatgpt my application works on sql server convert it into mysql
- 6) nano app.py paste the chatgpt code

Update below details

```
GNU nano 7.2
                                                                                                           app.py
 import mysql.connector
import uvicorn
import os
from fastapi import FastAPI
from pydantic import BaseModel
 from fastapi.middleware.cors import CORSMiddleware
 From dotenv import load_dotenv
load_dotenv()
app = FastAPI()
app.add_middleware(
    CORSMiddleware,
allow_origins=["*"],
allow_credentials=True,
    allow_methods=["*"],
allow_headers=["*"],
 :lass Task(BaseModel):
    title: str
    description: str
@app.get("/api")
 lef
                         ():
    try:
        conn = mysql.connector.connect(**db_config)
         cursor = conn.cursor()
         cursor.execute('
             CREATE TABLE IF NOT EXISTS Tasks (
                                                                                                   [ Read 54 lines ]
^G Help
                   ^O Write Out
                                                          ^K Cut
                                       ^W Where Is
                                                                                Execute
                                                                                                    Location
                                                                                                                    1-U Undo
```

7) SEARCH - mysql image on docker hub



8) docker run --name some-mysql -e MYSQL_ROOT_PASSWORD=Mommy7Daddy! -e MYSQL_DATABASE=mydatabase -e MYSQL_USER=azureuser -d mysql:latest = command for mysqldb

```
Footgwmdocker:/home/azureuser/todobackendmysql# docker run --name some-mysql -e MYSQL_KOUI_PASSMORD=Mommy/Daddy! -e MYSQL_DATABASE=mydatabase -e MYSQL_USER-azureuser -d mysql:latest
Unable to find image 'mysql:latest' locally
latest: Pulling from library/mysql
cael7za6e83b: Pull complete
daac2c594bdd: Pull complete
cb8acbf2440c: Pull complete
b2ead3e96e6b: Pull complete
b2ead3e96e6b: Pull complete
79623ac51f88: Pull complete
79f239a40e62: Pull complete
c11056354384: Pull complete
c11056354384: Pull complete
548998e3276: Pull complete
548998e3276: Pull complete
55899633276: Pull complete
55899633276: Pull complete
5099b0f8cba9630f46d2828d3046b87aec9babbecf5c4d99e3c28e246713f25fc
```

9) docker ps

```
root@vmdocker:/home/azureuser/todobackendmysql# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
079b0f8cba96 mysql:latest "docker-entrypoint.s..." 30 seconds ago Up 29 seconds 3306/tcp, 33060/tcp some-mysql
root@vmdocker:/home/azureuser/todobackendmysql#
```

Port - 3306

10) Update as below

```
# Get connection details from environment
db_config = {
    'host': "74.226.140.248:3306",
    'user': "azureuser",
    'password': "Mommy7Daddy!",
    'database': "mydatabase"
```

11) touch Dockerfile

Nano Dockerfile

root@vmdocker: /home/azureuser/todobackendmysql

```
# Use the official Python image as the base image

# FROM python:3.9.20

# Set the working directory in the container

# Copy the application files into the container

# Copy the application files into the container

# Install necessary packages

# Un apt-get update && apt-get install -y unixodbc unixodbc-dev

# RUN curl https://packages.microsoft.com/keys/microsoft.asc | apt-key add -

# RUN curl https://packages.microsoft.com/config/debian/10/prod.list > /etc/apt/sources.list.d/mssql-release.list

# RUN ACCEPT_EULA=Y apt-get install -y msodbcsql17

# Start the FastAPI application

# Start the FastAPI application

# CMD ["uvicorn", "app:app", "--host", "0.0.0.0", "--port", "8000"]
```

12) Copy Readme.md and cp requirements.txt files and paste in todobackendmysql directory.

cp Readme.md /home/azureuser/todobackendmysql/

cp requirements.txt /home/azureuser/todobackendmysql/

13) docker build -t todobackendmysql . = create docker image

docker images

oot@vmdocker:/home/azureuser/todobackendmysql# docker images						
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE		
todobackendmysql	latest	c992b369a1e9	18 seconds ago	1.11GB		
nutada	1-to-t	0h-4f51-fb00	17 hause age	1 1160		

14) Now running pytodo image container of backend one

cd ..

ls

cd PyTodoBackendMonolith/

ls

```
root@vmdocker:/home/azureuser# cd PyTodoBackendMonolith/
root@vmdocker:/home/azureuser/PyTodoBackendMonolith# ls
Dockerfile Readme.md app.py requirements.txt
root@vmdocker:/home/azureuser/PyTodoBackendMonolith# docker run
```

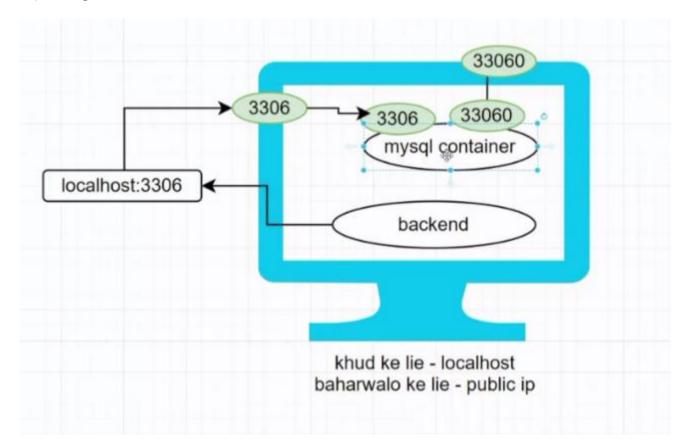
15) docker run -d -p 8000:8000 pytodo

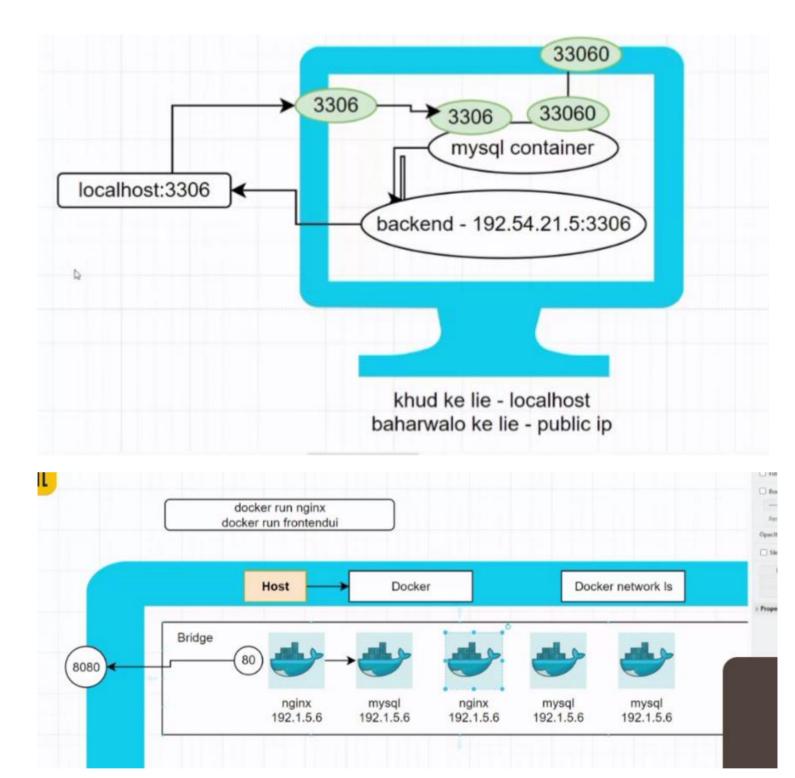
root@vmdocker: /home/azureuser/PyTodoBackendMonolith

root@vmdocker:/home/azureuser/todobackendmysql# docker images					
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE	
todobackendmysql	latest	c992b369a1e9	36 minutes ago	1.11GB	
pytodo	latest	8badf51cfb98	17 hours ago	1.11GB	
bahutpacliimage	latest	d639e855c309	46 hours ago	50.4MB	
patliimage	latest	94df29409897	46 hours ago	195MB	
todoui	latest	8cfbe43bc4ca	2 days ago	1.34GB	
<none></none>	<none></none>	fea1e545debc	2 days ago	1.34GB	
<none></none>	<none></none>	4d09465a1759	2 days ago	1.34GB	
<none></none>	<none></none>	f1ebcad628d3	4 days ago	1.34GB	
mcr.microsoft.com/mssql/server	2022-latest	2b41d0be8283	5 weeks ago	1.65GB	
mysql	latest	567107cb6971	2 months ago	797MB	

root@vmdocker:/home/azureuser/PyTodoBackendMonolith# docker run -d -p 8000:8000 pytodo 592598c4a12e10a3b664e7164354704cacdd64b20d2d4c3c1be2983f8ee15a97 root@vmdocker:/home/azureuser/PyTodoBackendMonolith#

16) Causing error





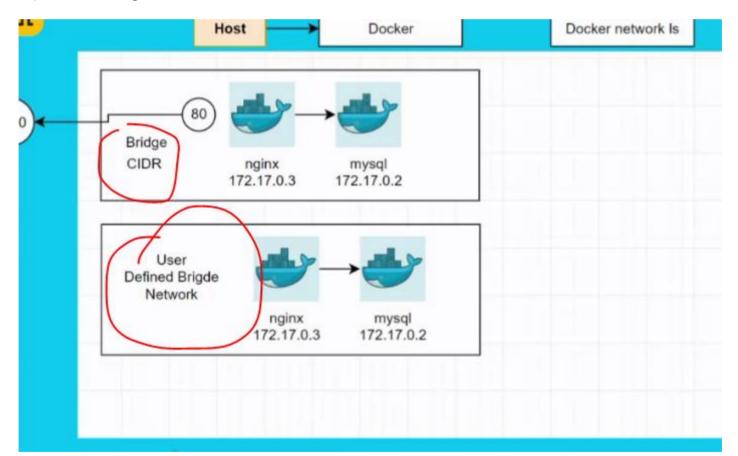
17) docker run -d -p 8080:80 nginx = command to run nginx container

```
root@vmdocker:/home/azureuser/PyTodoBackendMonolith# docker run -d -p 8080:80 nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
8a628cdd7ccc: Already exists
75b642592991: Already exists
553c8756fd66: Already exists
10fe6d2248e3: Already exists
3d6e18ae4ce6: Already exists
3dce86e3b082: Already exists
3dce86e3b082: Already exists
e81a6b82cf64: Already exists
Digest: sha256:09369da6b10306312cd908661320086bf87fbae1b6b0c49a1f50ba531fef2eab
Status: Downloaded newer image for nginx:latest
7362d1274426cbc551b275b85dda0a81204ef7c280ef2fc7bbc2d954829321fe
root@vmdocker:/home/azureuser/PyTodoBackendMonolith# docker ps
 root@vmdocker:/home/azureuser/PyTodoBackendMonolith# docker ps
CONTAINER ID IMAGE COMMAND CREATED
7362d1274426 nginx "/docker-entrypoint..." 4 second
                                                                                                                                                                                                  STATUS
                                                                                                                                                                                                                                           PORTS
                                                                                                                                                                                                                                                                                                                                                              NAMES
  7362d1274426 nginx
079b0f8cba96 mysql
                                                                                                                                                                                                 Up 3 seconds
Up 4 hours
                                                                                                                                                                                                                                          0.0.0:8080->80/tcp, [::]:8080->80/tcp
                                                                                                                                                      4 seconds ago
                                                                                                                                                                                                                                                                                                                                                              epic_dubinsky
                                        mysql:latest
                                                                                "docker-entrypoint.s.
                                                                                                                                                       4 hours ago
                                                                                                                                                                                                                                            3306/tcp, 33060/tcp
                                                                                                                                                                                                                                                                                                                                                               some-mysql
   root@vmdocker:/home/azureuser/PyTodoBackendMonolith#
```

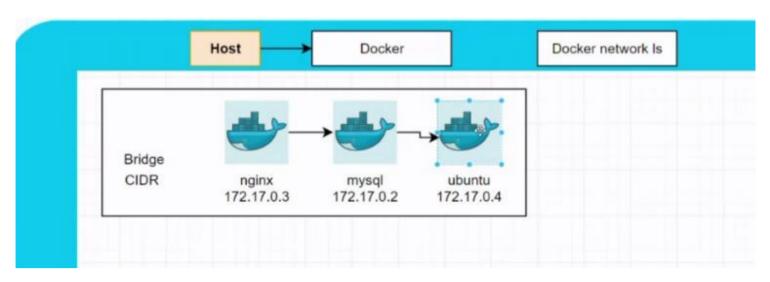
18) mysql = 172.17.0.2

nginx - 172.17.0.3

19) Network - Bridge, User defined



20) Creating Ubuntu container as well to check the mutual connectivity between mysql, nginx and Ubuntu container



docker run -it ubuntu bash = command to create and run nginx container and going inside it using bash

root@vmdocker:/home/azureuser/todobackendmysql# docker run -it ubuntu bash

Unable to find image 'ubuntu:latest' locally latest: Pulling from library/ubuntu

2726e237d1a3: Pull complete Digest: sha256:1e622c5f073b4f6bfad6632f2616c7f59ef256e96fe78bf6a595d1dc4376ac02

Status: Downloaded newer image for ubuntu:latest

ls

```
root@afd80163b0c4:/# ls
                           lib lib64
                                                                         sbin
root@afd80163b0c4:/#
```

Docker ps

root@vmdocker:/home/azureuser# docker ps							
CONTAINER ID IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES		
f2b3c8d1d2ff ubuntu	"bash"	4 minutes ago	Up 4 minutes		festive_elbakyan		
7362d1274426 nginx	"/docker-entrypoint"	2 hours ago	Up 2 hours	0.0.0.0:8080->80/tcp, [::]:8080->80/tcp	epic dubinsky		
079b0f8cba96 mysql:latest	"docker-entrypoint.s"	6 hours ago	Up 6 hours	3306/tcp, 33060/tcp	some-mysql		

21) To run curl

apt update kro

```
root@f2b3c8d1d2ff:/# apt update
Get:1 http://archive.ubuntu.com/ubuntu noble InRelease [256 kB]
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1088 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble/universe amd64 Packages [19.3 MB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [934 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [21.9 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [1071 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [331 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble/restricted amd64 Packages [117 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble/main amd64 Packages [1808 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1258 kB]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [26.4 kB]
Get:15 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1132 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1366 kB]
Get:17 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [48.0 kB]
Get:18 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [30.9 kB]
Fetched 29.2 MB in 5s (6459 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
root@f2b3c8d1d2ff:/#
```

22) apt install curl

```
Ip address – ubuntu - 172.17.0.4

mysql = 172.17.0.2

nginx - 172.17.0.3
```

23) Now giving ip address of nginx to check connectivity or access

curl 172.17.0.3

```
root@f2b3c8d1d2ff:/# curl 172.17.0.3
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.
For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.
<em>Thank you for using nginx.</em>
```

24) Now we can set our backend also of our application in bridge network of docker

mysql = 172.17.0.2

cd todobackendmysql/

Is

```
root@vmdocker:/home/azureuser# cd todobackendmysql/
root@vmdocker:/home/azureuser/todobackendmysql# ls
Dockerfile Readme.md app.py requirements.txt
```

nano app.py = put ip of mysql container in it

```
# Get connection details from environment
db_config = {
    'host': "172.17.0.2",
    'user': "azureuser",
    'password': "Mommy7Daddy!",
    'database': "mydatabase"
}
```

25) docker build -t todobackendmysql . = building image

```
root@vmdocker:/home/azureuser/todobackendmysql# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
todobackendmysql latest 52493efe1c07 14 seconds ago 1.11GB
```

26) Update docker file as below

nano Dockerfile

root@vmdocker: /home/azureuser/todobackendmysql

```
GNU nano 7.2

# Use the official Python image as the base image
FROM python:3.9.20

# Set the working directory in the container
MORKDIR /backendapp/

# Copy the application files into the container
COPY . /backendapp/

# Install necessary packages
RUN apt-get update && apt-get install -y unixodbc unixodbc-dev
RUN curl https://packages.microsoft.com/keys/microsoft.asc | apt-key add -
RUN curl https://packages.microsoft.com/config/debian/10/prod.list > /etc/apt/sources.list.d/mssql-release.list
RUN apt-get update
RUN ACCEPT_EULA=Y apt-get install -y msodbcsql17

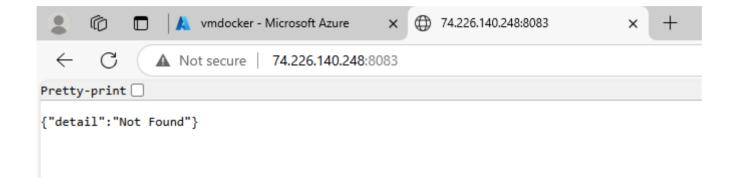
# Install Python dependencies
RUN pip install --upgrade pip
RUN pip install --requirements.txt

# Ensure mysql-connector-python is installed
RUN pip install mysql-connector-python

# Start the FastAPI application
CMD ["uvicorn", "app:app", "--host", "0.0.0.0", "--port", "8000"]
```

docker build -t todobackendmysql.

```
root@vmdocker:/home/azureuser/todobackendmysql# docker run -p 8083:8000 todobackendmysql
INFO: Started server process [1]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: Uvicorn running on http://0.0.0.0:8000 (Press CTRL+C to quit)
INFO: 106.205.85.55:53754 - "GET / HTTP/1.1" 404 Not Found
INFO: 106.205.85.55:53754 - "GET /favicon.ico HTTP/1.1" 404 Not Found
```



AGENDA – CONNECTING FRONTEND ALSO

1) cd ReactTodoUIMonolith/

Is

```
root@vmdocker:/home/azureuser# cd ReactTodoUIMonolith/
root@vmdocker:/home/azureuser/ReactTodoUIMonolith# ls

Dockerfile README.md package-lock.json package.json public src
root@vmdocker:/home/azureuser/ReactTodoUIMonolith# ls -a
. . . . .git .gitignore Dockerfile README.md package-lock.json package.json pub
root@vmdocker:/home/azureuser/ReactTodoUIMonolith#
```

2) cd src

ls

```
root@vmdocker:/home/azureuser/ReactTodoUIMonolith# cd src
root@vmdocker:/home/azureuser/ReactTodoUIMonolith/src# ls
App.css App.js App.test.js TodoApp.js index.css index.js <mark>logo.svg</mark> reportWebVitals.js setupTests.js theme.js
root@vmdocker:/home/azureuser/ReactTodoUIMonolith/src#
```

3) nano TodoApp.js

root@vmdocker: /home/azureuser/ReactTodoUlMonolith/src

```
GNU nano 7.2
                                                                                                          TodoApp.js
import React, { useState, useEffect } from 'react';
import { Button, TextField, Container, Typography, Grid, Card, CardContent, IconButton } from '@mui/material';
import { Delete } from '@mui/icons-material';
import { Delete } from '@mui/icons-material';
import { Box } from '@mui/material';
      API BASE URL = 'http://52.146.33.135:8000';
      backgroundImage = process.env.PUBLIC URL + '/background.jpg';
 unction TodoApp() {
    const [tasks, setTasks] = useState([]);
    const [newTask, setNewTask] = useState({ title: '', description: '' });
    const fetchTasks = async () => {
                    response = await axios.get(`${API_BASE_URL}/tasks`);
             setTasks(response.data);
        } catch (error) {
             console.error('Error fetching tasks', error);
    };
```

4) In frontend, give ip address of backend

```
root@vmdocker: /home/azureuser/ReactTodoUlMonolith/src
```

```
TodoApp.js *
 GNU nano 7.2
import React, { useState, useEffect } from 'react';
import axios from 'axios
import { Button, TextField, Container, Typography, Grid, Card, CardContent, IconButton } from '@mui/material';
import { Delete } from '@mui/icons-material';
import { Box } from '@mui/material';
 onst API BASE URL = 'http://172.17.0.5:8000';
     backgroundImage = process.env.PUBLIC_URL + '/background.jpg';
 unction TodoApp() {
          [tasks, setTasks] = useState([]);
    const [newTask, setNewTask] = useState({ title: '', description: '' });
    const fetchTasks = async () => {
        try {
                  response = await axios.get(`${API_BASE_URL}/tasks`);
            setTasks(response.data);
        } catch (error) {
            console.error('Error fetching tasks', error);
```

5) docker build -t reacttodoui . = build docker image

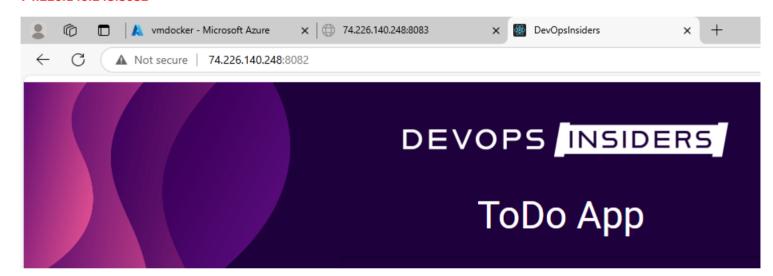
Docker images

```
oot@vmdocker:/nome/azureuser/keactlodoulMonolitn# docker images
REPOSITORY
                                  TAG
                                                 IMAGE ID
                                                                CREATED
                                                                                      STZE
reacttodoui
                                  latest
                                                 d80161923d1e
                                                                About a minute ago
                                                                                      50.4MB
todobackendmysql
                                  latest
                                                 7f4b45a34b2d
                                                                56 minutes ago
                                                                                      1.25GB
```

6) docker run -p 8082:80 reacttodoui = run container

```
oot@vmdocker:/home/azureuser/ReactTodoUIMonolith# docker run -p 8082:80 reacttodoui
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2025/04/13 16:59:08 [notice] 1#1: using the "epoll" event method
2025/04/13 16:59:08 [notice] 1#1: nginx/1.27.4
2025/04/13 16:59:08 [notice] 1#1: built by gcc 14.2.0 (Alpine 14.2.0)
                    [notice] 1#1: OS: Linux 6.11.0-1012-azure
2025/04/13 16:59:08
                    [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1024:524288
2025/04/13 16:59:08
                    [notice] 1#1: start worker processes
2025/04/13 16:59:08
                    [notice] 1#1: start worker process 29
2025/04/13 16:59:08
2025/04/13 16:59:08 [notice] 1#1: start worker process 30
```

74.226.140.248:8082



But task not added as frontend not connected to backend

7) docker ps

```
oot@vmdocker:/home/azureuser# docker ps
ONTAINER ID IMAGE COMMAN
lf3e4c0caa6a reacttodoui "/dock
                                                             COMMAND
"/docker-entrypoint...
                                                                                                                                                  STATUS
                                                                                                             CREATED
                                                                                                                                                                                                                                                                             NAMES
                                                                                                                                                  Up About an hour
Up 2 hours
Up 5 hours
Up 9 hours
                                                                                                                                                                                      FONT:
0.0.0.0:8082->80/tcp, [::]:8082->80/tcp
0.0.0.0:8083->8000/tcp, [::]:8083->8000/tcp
0.0.0:8080->80/tcp, [::]:8080->80/tcp
                                                                                                            About an hour ago
2 hours ago
5 hours ago
                                                                                                                                                                                                                                                                            quirky_galois
dazzling_cartwright
epic_dubinsky
                                                             "uvicorn app:app --h..."
"/docker-entrypoint..."
8b89284ff66
                          todobackendmysq1
                        nginx
79b0f8cba96 mysql:latest
oot@vmdocker:/home/azureuser#
                                                              "docker-entrypoint.s.."
79b0f8cba96
                                                                                                                                                                                      3306/tcp, 33060/tcp
                                                                                                                                                                                                                                                                             some-mysql
```

Ip of backend - 172.17.0.4"

8) cd ReactTodoUIMonolith

docker build -t reacttodoui.

docker images

root@vmdocker:/home/azureuser/ReactTodoUIMonolith# docker images						
REPOSITORY	TAG	IMAGE ID	CREATED	SIZEed and is no longer maintained. Please use @rollup/plugin-terser		
reacttodoui	latest	b51671a6670a	About a minute ago	50.4MB		
<none></none>	<none></none>	d80161923d1e	About an hour ago	50.4MB		
todobackendmysql	latest	7f4b45a34b2d	2 hours ago	1.25GB		
<none></none>	<none></none>	52493efe1c07	3 hours ago	1.11GB		
<none></none>	<none></none>	c992b369a1e9	7 hours ago	1.11GB		
pytodo	latest	8badf51cfb98	24 hours ago	1.11GB		
11.		1000 000 000		CO MID		

docker run reacttodoui = noneed to give -p as we are in the same network so no port mapping required

```
root@vmdocker:/home/azureuser/ReactTodoUIMonolith# docker run reacttodoui
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2025/04/13 18:21:15 [notice] 1#1: using the "epoll" event method
2025/04/13 18:21:15 [notice] 1#1: nginx/1.27.4
2025/04/13 18:21:15 [notice] 1#1: built by gcc 14.2.0 (Alpine 14.2.0)
2025/04/13 18:21:15 [notice] 1#1: OS: Linux 6.11.0-1012-azure
2025/04/13 18:21:15 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1024:524288
2025/04/13 18:21:15 [notice] 1#1: start worker processes
2025/04/13 18:21:15 [notice] 1#1: start worker process 29
2025/04/13 18:21:15 [notice] 1#1: start worker process 30
```

docker ps

```
root@vmdocker:/home/azureuser# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

CONTAINER ID IMAGE COMMAND "/docker-entrypoint..." 4 minutes ago Up 4 minutes 80/tcp reverent_swanson

df3e4c0cao6c d80161923die "/docker-entrypoint..." About an hour ago Up About an hour 0.0.0.0:8082->80/tcp, [::]:8082->80/tcp quirky_galois

33b89284ff66 todobackendmysql "uvicorn app:app --h..." 2 hours ago Up 4 hours 0.0.0:8083->8000/tcp, [::]:8083->8000/tcp quirky_galois

7362d12742426 nginx "/docker-entrypoint..." 5 hours ago Up 5 hours 0.0.0:8083->8000/tcp, [::]:8083->8000/tcp quirky_galois

879b0f8cba96 mysql:latest "docker-entrypoint.s.." 9 hours ago Up 5 hours 3306/tcp, 33060/tcp

8306/tcp, 33060/tcp

9 hours 3306/tcp, 33060/tcp
```

docker inspect db88f2843172

```
"Links": null,

"Aliases": null,

"MacAddress": "02:42:ac:11:00:06",

"DriverOpts": null,

"NetworkID": "367e9c964a30ed64da50a9383971a32b855570cd2d6ce6db053735e876f1afdc",

"EndpointID": "dc79dc92092a6b37ba35f82f3d948601c88cb64dd9abc1c245e545c24c0bebb6",

"Gateway": "172.17.0.1",

"IPAddress": "172.17.0.6".

"IPPrefixLen": 16,

"IPv6Gateway": "",

"GlobalIPv6Address": "",

"GlobalIPv6PrefixLen": 0,

"DNSNames": null

}

}
```

9) thoda baad me