Task 2- Containerize and Run Medusa Locally using Docker 11-09-2024

Step 1: Install Docker

Ensure you have Docker installed on your system. You can download it from the official Docker website and follow the installation instructions for your OS (Windows, macOS, or Linux).

Step 2: Clone the Medusa GitHub Repository

Start by cloning the official Medusa repository. Open your terminal and run the following command:

```
git clone https://github.com/SAARA213/Medusa_backend.git
cd Medusa backend
```

This clones the repository and navigates to the directory.

Step 3: Create a Dockerfile

Inside the Medusa directory, create a Dockerfile to containerize Medusa.

Step 4: Build the Docker Image

To create a Docker image from the Dockerfile, run the following command in the terminal:

```
docker build -t medusa-server .
```

This command builds the Docker image with the tag medusa-server.

Step 5: Create a docker-compose.yml

To simplify running the container with dependencies like a database, create a docker-compose.yml file:

This configuration starts two services:

- Medusa: The Medusa server that we built.
- Postgres: A PostgreSQL database.

Step 6: Run the Containers

To start the containers with Docker Compose, use this command:

```
docker-compose up
```

Step 7: Access Medusa

Once the containers are running, you can access Medusa at http://localhost:7001.

Explanation Summary:

- **Dockerfile**: Defines the steps to build a Medusa image.
- **Docker Compose**: Simplifies running multiple containers (Medusa and PostgreSQL).
- Ports: Ensures your local machine can access Medusa through port 7001.
- Environment: Sets up development or production environments through variables.

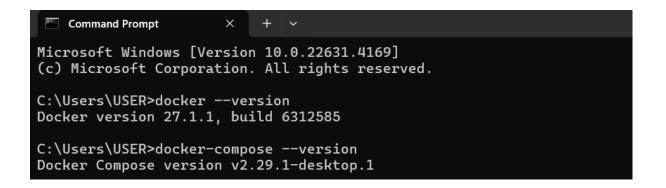
```
C:\Users\USER>medusa new my-medusa-eval
/ Created starter directory layout - 2840ms
info: Installing packages...

npm MARN deprecated inflight@l.9.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache if you want a good and tested way to
coalesce async requests by a key value, which is much more comprehensive and powerful.

npm MARN deprecated bebel/plugin-proposal-class-properties? 1.8.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no long
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```

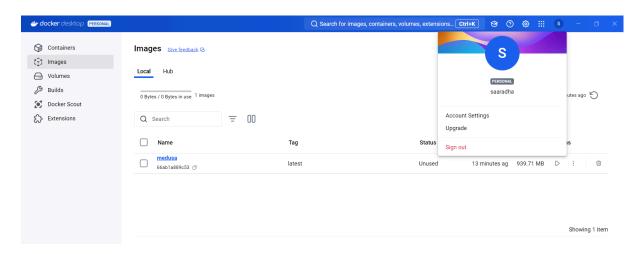
METHOD 1- FIRST, USED SERVER TO ENSURE WHETHER MY APPLICATION IS WORKING OR NOT , IT WORKS WELL.

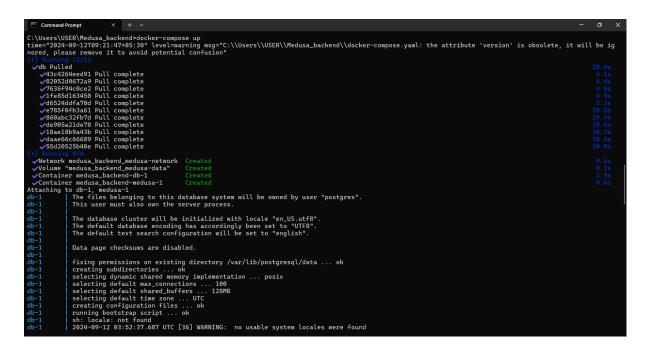
METHOD 2- TRANSFER ALL MY FILES LOCALLY AND CONTAINERIZED PARTICULAR APPLICATION

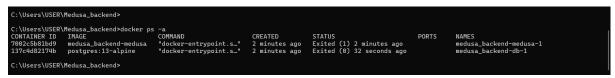


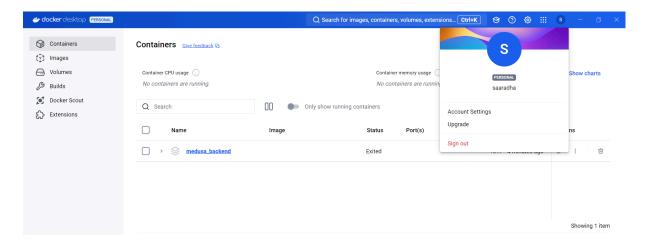


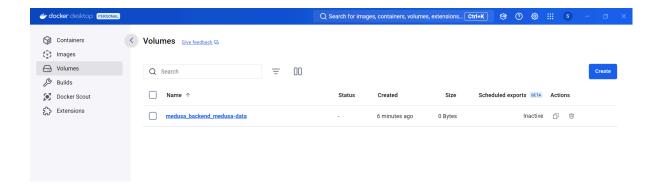
C:\Users\USER\Medusa_backend>docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
medusa latest 66ab1a889c53 6 minutes ago 940MB
C:\Users\USER\Medusa_backend>











```
Will attempt to setup Postgres database "medusa-db-zvx8q" with credentials:
    user: postgres
password: ***
port: 5432
host: localhost
Do you wish to continue with these credentials?

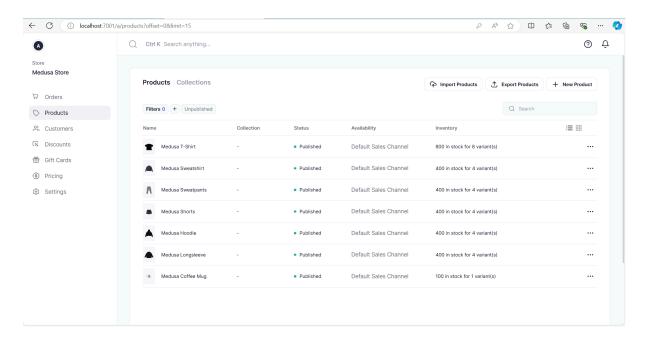
Change credentials

? DB user postgres
? DB password [hidden]
? DB port 5432
DB host localhost
Created database "medusa-db-zvx8q" - 1256ms
/ Database migrations completed. - 2636dms
info: Final project preparations...
info: Your new Medusa project is ready for you! To start developing run:

cd my-medusa-eval
medusa develop

C:\Users\USER\wy-medusa-eval\medusa develop
Successfully compiled 0 files with Babel (48ms).
3:33:54 pm [@medusajs/admin] Started development server on http://localhost:7001/
<!> [wbpack-dev-server] Project is running attended the properties of the properti
```

DEPLOYMENT SITE



CONNECT WITH DATABASE

