~~mkdir C:\ESD\Labs\docker\g6t8\_esd~~

~~copy C:\wamp64\www\ESD-ClinicAppointmentServices\dockerC:\ESD\Labs\docker\requirements.txt C:\ESD\Labs\docker\g6t8\_esd\patient~~

~~mkdir C:\ESD\Labs\docker\g6t8\_esd\patient~~

~~copy C:\wamp64\www\ESD-ClinicAppointmentServices\app\patient\patient.py C:\ESD\Labs\docker\g6t8\_esd\patient~~

~~mkdir C:\ESD\Labs\docker\g6t8\_esd\doctor~~

~~copy C:\wamp64\www\ESD-ClinicAppointmentServices\app\doctor\doctor.py C:\ESD\Labs\docker\g6t8\_esd\doctor~~

~~mkdir C:\ESD\Labs\docker\g6t8\_esd\appointment~~

~~copy C:\wamp64\www\ESD-ClinicAppointmentServices\app\appointment\appointment.py C:\ESD\Labs\docker\g6t8\_esd\appointment~~

1. Uncomment this line:

#app.config['SQLALCHEMY\_DATABASE\_URI'] = environ.get('dbURL')

Comment this line:

app.config['SQLALCHEMY\_DATABASE\_URI'] = 'mysql+mysqlconnector://root@localhost:3306/esd\_patient'

Do this for patient, doctor and appointment.py

2. Go to visual studio code => Terminal => New terminal~~.~~ Run these commands

copy C:\wamp64\www\ESD-ClinicAppointmentServices\app\appointment\appointment.py C:\wamp64\www\ESD-ClinicAppointmentServices\docker\dockerfiles\appointment

copy C:\wamp64\www\ESD-ClinicAppointmentServices\app\patient\patient.py C:\wamp64\www\ESD-ClinicAppointmentServices\docker\dockerfiles\patient

copy C:\wamp64\www\ESD-ClinicAppointmentServices\app\doctor\doctor.py C:\wamp64\www\ESD-ClinicAppointmentServices\docker\dockerfiles\doctor

3. Open docker.exe & run these commands

~~cd C:\wamp64\www\ESD-ClinicAppointmentServices\docker\dockerfiles\appointment~~

~~docker build -t g6t8/appointment:1.0.0 .~~

~~cd C:\wamp64\www\ESD-ClinicAppointmentServices\docker\dockerfiles\doctor~~

~~docker build -t g6t8/doctor:1.0.0 .~~

~~cd C:\wamp64\www\ESD-ClinicAppointmentServices\docker\dockerfiles\patient~~

~~docker build -t g6t8/patient:1.0.0 .~~

cd C:\wamp64\www\ESD-ClinicAppointmentServices\docker\dockerfiles\patient

docker build -t g6t8/patient .

docker tag g6t8/patient:latest 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/g6t8/patient:latest

docker push 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/g6t8/patient:latest

docker pull 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/g6t8/patient:latest

cd C:\wamp64\www\ESD-ClinicAppointmentServices\docker\dockerfiles\doctor

docker build -t g6t8/doctor .

docker tag g6t8/doctor:latest 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/g6t8/doctor:latest

docker push 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/g6t8/doctor:latest

docker pull aws\_account\_id.dkr.ecr.us-west-2.amazonaws.com/amazonlinux:latest

cd C:\wamp64\www\ESD-ClinicAppointmentServices\docker\dockerfiles\appointment

docker build -t g6t8/appointment .

docker tag g6t8/appointment:latest 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/g6t8/appointment:latest

docker push 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/g6t8/appointment:latest

docker pull aws\_account\_id.dkr.ecr.us-west-2.amazonaws.com/amazonlinux:latest

4. When build completes, you can view your images by entering:

docker images

5. Open phpMyAdmin and click User accounts

6. Click Add user account and specify the following:

User name: (Use text field:) is213

Host name: (Any host) %

Password: Change to No Password

Select Data

Click Go

A new user is added

7. Go back to visual studio code and run

docker run -p 5000:5000 -e dbURL=mysql+mysqlconnector://is213@host.docker.internal:3306/appointment g6t8/appointment:1.0.0

Use CTRL+C to exit interactive mode.

However, the container is still running (in the background).

docker run -p 5100:5000 -e dbURL=mysql+mysqlconnector://is213@host.docker.internal:3306/doctor g6t8/doctor:1.0.0

Use CTRL+C to exit interactive mode.

docker run -p 5200:5000 -e dbURL=mysql+mysqlconnector://is213@host.docker.internal:3306/patient g6t8/patient:1.0.0

Use CTRL+C to exit interactive mode.

8. View all running containers by entering:

docker ps

9. Stop the container by entering:

docker stop <containerid>

10. You can start the container by entering:

docker start <containerid>

11. Show the logs of the container by entering:

docker logs <containerid>

12. Remove the container by entering: (Only if needed!!!)

docker rm <containerid>

13. Run pip install awscli

14. Run

aws configure

AWS Access Key ID [\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*gqin]: AKIAI5CGYYPCOA4DMRDA

AWS Secret Access Key [\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ord1]: 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

Default region name [ap-southeast-1]:

Default output format [json]:

15. Run

aws ecr get-login-password --region ap-southeast-1 | docker login --username AWS --password-stdin 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/esd

16. docker tag g6t8/patient:latest 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/ g6t8/patient:latest

docker tag g6t8/patient 603184320246.dkr.ecr.ap-southeast-1.amazonaws.com/g6t8/patient

Amazon RDS

ESD Database identifier: esd

Username: admin

Password: IloveESMandPaul!<3

Follow this guide to connect RDS to phpmyadmin

https://scottontechnology.com/connect-to-amazon-rds-mysql-with-phpmyadmin/

C:\wamp64\apps\phpmyadmin4.8.3\config.inc.php

Need to edit the security group of the ec2 container to allow all incoming traffics and 0.0.0.0