PART A – DOCKER

1. Install and start up Docker Desktop for Windows
2. Create Dockerfile in app folder – contains all the needed apps and any commands that you would normally use to start the server A screen shot of a computer program

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3. Build the docker image

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1. Create Docker Volume

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1. run Docker container from image, link the volume to the database, and show it on port 8000



1. Make sure Docker container is running in desktop app

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1. Open localhost:8000 and make sure app is running
   1. Make sure app is not running on normal python server from before

PART B – AWS – This is the part I could not get to work, so take these instructions with some doubt

Tutorial that I (loosley) followed: [How to Deploy Docker Containers | AWS (amazon.com)](https://aws.amazon.com/getting-started/hands-on/deploy-docker-containers/?ref=gsrchandson)

1. Download AWS Command Line Interface
2. Set up AWS Account and go to console home, and go to IAM

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1. Go to Users, create new user

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1. Once User is created, create access key and select CLI

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1. Copy access key and Secret access key
2. Go to ECR page

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1. Select Repository and Create Repository (make it public)

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1. Once Created, select it, and view push commands (save for later)A screenshot of a computer

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2. Open a command prompt
3. Run aws configure, and paste keys from earlier

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1. Run commands from step 8 (This connects your local docker machine to aws, then pushes it to the AWS repo)

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1. Once Image is in AWS repository, open the details and copy URI

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1. Go to ECS page, and disable new experience, and click “get started”

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1. Choose custom container

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1. Paste image URI and enter 80 for the port
2. On next page, select “Application Load Balancer”
3. On next page, name your cluster
4. On next page, hit create

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\*This is where I got stuck\*