



EXPLORER

OPEN EDITORS

EPAM_FINAL_PROJECT

backend / Backend-Mythical-Mysfits

service

mysfits-response.json

mysfitsTableClient.py

mythicalMysfitsService.py

requirements.txt

.gitignore

buildspec.yml

docker-hub-data.txt

Dockerfile

frontend / Frontend-Mythical-Mysfits

iac / IaC-Mythical-Misfits

OUTLINE

TIMELINE

NPM SCRIPTS

Dockerfile

backend > Backend-Mythical-Mysfits > Dockerfile > ...

```
1 FROM ubuntu:latest
2 RUN echo Updating existing packages, installing and upgrading python and pip.
3 RUN apt-get update -y
4 RUN apt-get install -y python3-pip python3-dev build-essential
5 RUN pip3 install --upgrade pip
6 RUN echo Copying the Mythical Mysfits Flask service into a service directory.
7 COPY ./service /MythicalMysfitsService
8 WORKDIR /MythicalMysfitsService
9 RUN echo Installing Python packages listed in requirements.txt
10 RUN pip3 install -r ./requirements.txt
11 RUN echo Starting python and starting the Flask service...
12 ENTRYPOINT ["python3"]
13 CMD ["mythicalMysfitsService.py"]
```

TERMINAL

PROBLEMS

OUTPUT

DEBUG CONSOLE

1: bash

MacBook-Air-nikita:Backend-Mythical-Mysfits nkdchck\$

develop*

Python 3.8.2 64-bit

0 0

Ln 13, Col 34

Spaces: 4

UTF-8

LF

Dockerfile

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Ln 13, Col 34

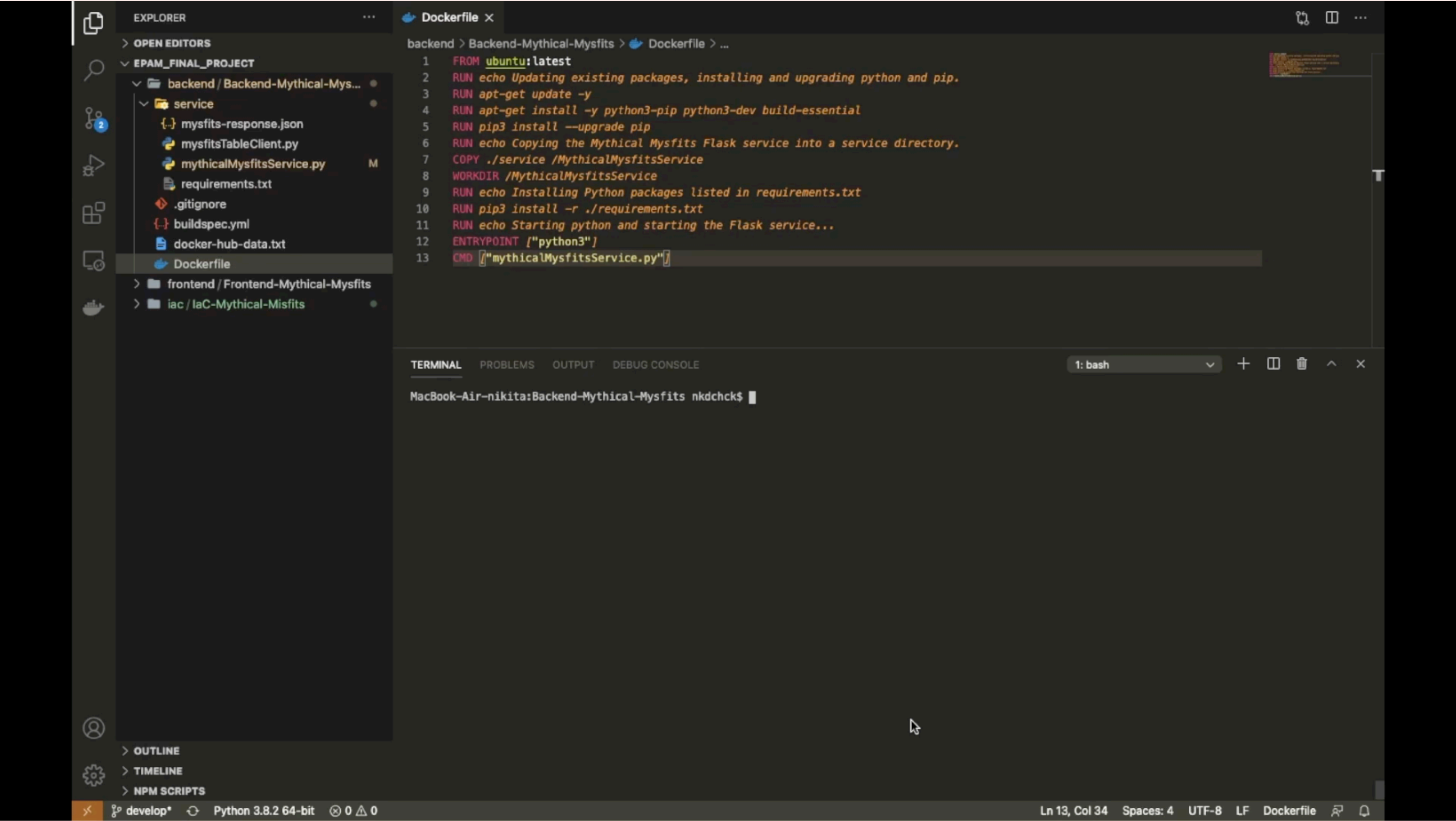
Spaces: 4

UTF-8

LF

Dockerfile

BUILDING DOCKER IMAGE & RUNNING CONTAINER ON A LOCAL MACHINE



CREATING ECR REPOSITORY & PUSHING DOCKER IMAGE

ECR > Repositories > Create repository

Create repository

Access and tags

Repository name

959910143348.dkr.ecr.us-east-1.amazonaws.com/mythicalmysfits/service

A namespace can be included with your repository name (e.g. namespace/repo-name).

Tag Immutability

Enable tag immutability to prevent image tags from being overwritten by subsequent image pushes using the same tag. Disable tag immutability to allow image tags to be overwritten.

☐ Disabled

ECR > Repositories

Repositories (1)						
<div><div>Find repositories</div><div>< 1 ></div></div>						
	Repository name ▲	URI	Created at ▼	Tag Immutability	Scan on push	Encryption type
<input type="radio"/>	mythicalmysfits/service	959910143348.dkr.ecr.us-east-1.amazonaws.com/mythicalmysfits/service	11/16/20, 08:36:24 PM	Disabled	Disabled	AES-256

TERMINAL PROBLEMS 2 OUTPUT DEBUG CONSOLE

1: bash

MacBook-Air-nikita:Backend-Mythical-Mysfits nkdochck\$ aws ecr get-login-password | docker login --username AWS --password-stdin 959910143348.dkr.ecr.us-east-1.amazonaws.com/mythicalmysfits/service

Login Succeeded

MacBook-Air-nikita:Backend-Mythical-Mysfits nkdochck\$ docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
959910143348.dkr.ecr.us-east-1.amazonaws.com/mythicalmysfits/service	latest	1ad081a25aac	8 hours ago	471MB
ubuntu	latest	d70eaf7277ea	3 weeks ago	72.9MB
tomcat	latest	9a9ad4f631f8	3 months ago	647MB
docker101tutorial	latest	63f8ae1e2260	4 months ago	26.8MB
nkdochck/docker101tutorial	latest	63f8ae1e2260	4 months ago	26.8MB
<none>	<none>	880091f722fc	4 months ago	123MB
<none>	<none>	3e0ed819cc80	4 months ago	110MB
<none>	<none>	3076023fe370	4 months ago	224MB
python	alpine	fbfb63e3c6bb	4 months ago	80.3MB
nginx	alpine	ecd67fe340f9	4 months ago	21.6MB
node	12-alpine	057fa4cc38c2	4 months ago	89.3MB
hello-world	latest	bf756fb1ae65	10 months ago	13.3kB

MacBook-Air-nikita:Backend-Mythical-Mysfits nkdochck\$ docker push 959910143348.dkr.ecr.us-east-1.amazonaws.com/mythicalmysfits/service

The push refers to repository [959910143348.dkr.ecr.us-east-1.amazonaws.com/mythicalmysfits/service]

b9aae127a16b: Pushed

e65367410e7b: Pushed

57593f2d84eb: Pushed

28bbd25c1f98: Pushed

6a5383229c98: Pushed

cc9d18e90faa: Pushed

0c2689e3f920: Pushed

47dde53750b4: Pushed

latest: digest: sha256:d3ffcdb85c3f892f1b10a3289a7f01631bf4b36e6d7cd2bb413dd2224583221b size: 1998

MacBook-Air-nikita:Backend-Mythical-Mysfits nkdochck\$ aws ecr describe-images --repository-name mythicalmysfits/service

imageDetails:

- artifactMediaType: application/vnd.docker.container.image.v1+json

imageDigest: sha256:d3ffcdb85c3f892f1b10a3289a7f01631bf4b36e6d7cd2bb413dd2224583221b

imageManifestMediaType: application/vnd.docker.distribution.manifest.v2+json

imagePushedAt: '2020-11-16T20:50:24+03:00'

imageSizeInBytes: 165517257

imageTags:

- latest

registryId: '959910143348'

repositoryName: mythicalmysfits/service

MacBook-Air-nikita:Backend-Mythical-Mysfits nkdochck\$