

Examen Final

Evidencias de API, imagen y contendor

Prueba de ejecución con Postman

(Sin contraseña)

GET `http://0.0.0.0:8000/api/v1/classify` Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "Description": "this project is looking to create a reading club for the students to have a peaceful learning space"
3 }
```

Body Cookies Headers (4) Test Results Status: 403 Forbidden Time: 293 ms Size: 195 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "detail": "Acceso denegado, favor de ingresar la contraseña."
3 }
```

(Con contraseña)

GET `http://0.0.0.0:8000/api/v1/classify?code=pau_saca_10` Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "Description": "this project is looking to create a reading club for the students to have a peaceful learning space"
3 }
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 1320 ms Size: 149 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "Prediction": "Founded"
3 }
```

Crear la imagen y subirla a Docker

```
(venv) PS C:\Users\Daniela Cardenas\Documents\ITESO\5° Semestre\Proyecto de Ciencia de Datos\api_examen_final> docker build -t exam-image:v1

Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.
[+] Building 131.2s (8/11)
[+] Building 131.3s (8/11)
[+] Building 131.5s (8/11)
=> => transferring context: 1.21MB
[1/7] FROM docker.io/library/python:3.9-slim-buster@sha256:c5282000fca6bd55f26b8b22bd8f2a9266f42a9cc24e003d920c9625bb80d359
[+] Building 131.6s (8/11)
=> => sha256:f368e991b1c392c61ebfdee3fe60b0e2f0d359d5282d2f6b5cb5219a42b282a3 1.37kB / 1.37kB
=> => sha256:70fa42c638b3e676c19112ee5b1fd51e030596812dfacd5f9749d68f432876a0 7.48kB / 7.48kB
=> => sha256:32820e52a00eb22dc76d70d992be7082cd24b636cf597ff3951d29a821b46b9 27.14MB / 27.14MB
[+] Building 131.8s (8/11)
=> => sha256:6563993b0507bc02c27e370c26abd776a8c8fa094da83beac1c0cfc88b366b 2.78MB / 2.78MB
=> => sha256:0a2ae8fe2234b3c8e1ddd4a5e225034949fa5ae052967805f3c640dbe0ff0294 11.57MB / 11.57MB
[+] Building 131.9s (8/11)
=> => sha256:1d00b2d9e1d30b47820a61c452b256440db3a18677958db05e762e157591a835 3.17MB / 3.17MB
=> => extracting sha256:6563993b0507bc02c27e370c26abd776a8c8fa094da83beac1c0cfc88b366b
=> => extracting sha256:0a2ae8fe2234b3c8e1ddd4a5e225034949fa5ae052967805f3c640dbe0ff0294
=> => extracting sha256:387a2ed9549a6cb2d3c96c29407903acefd2a21cf1073a108f61f449793f0ad2
=> => extracting sha256:1d00b2d9e1d30b47820a61c452b256440db3a18677958db05e762e157591a835
[2/7] WORKDIR /code
[3/7] RUN apt-get update && apt-get install -y procps && pip install -U pip && rm -rf /etc/localtime && ln -s /usr/share/zoneinfo/America/Mexico_City /etc/localtime
[4/7] COPY ./requirements.txt /code/requirements.txt
[5/7] RUN pip install -r ./requirements.txt
[6/7] COPY ./model /code/model
[7/7] COPY ./main.py /code/main.py
=> exporting to image
=> exporting layers
=> writing image sha256:5f3b0fdaf9f47f07dbd93ebca82459dbccae55458c86c6ad898956639cc71bfd
=> naming to docker.io/library/exam-image:v1

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
(venv) PS C:\Users\Daniela Cardenas\Documents\ITESO\5° Semestre\Proyecto de Ciencia de Datos\api_examen_final>
```

Images [Give feedback](#)

LOCAL REMOTE REPOSITORIES

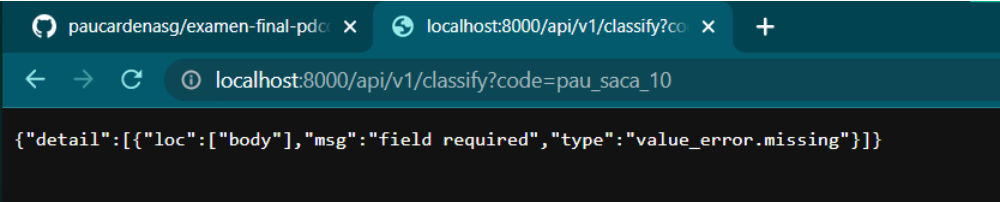
☐ In use only

NAME ↑	TAG	IMAGE ID	CREATED	SIZE
exam-image	v1	5f3b0fdaf9f4	4 minutes ago	698.79 MB

Ejecutar la imagen en contenedor local

```
(venv) PS C:\Users\Daniela Cardenas\Documents\ITESO\5° Semestre\Proyecto de Ciencia de Datos\api_examen_final> docker run -it --rm --name exam-app -- /etc/timezone:/etc/timezone:ro -- /etc/localtime:/etc/localtime:ro -p 8000:8000 exam-image:v1
[INFO] Started server process [1]
[INFO] Waiting for application startup.
/usr/local/lib/python3.9/site-packages/sklearn/base.py:329: UserWarning: Trying to unpickle estimator LogisticRegression from version 1.0.2 when using version 1.1.3. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to:
https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
warnings.warn()
/usr/local/lib/python3.9/site-packages/sklearn/base.py:329: UserWarning: Trying to unpickle estimator CountVectorizer from version 1.0.2 when using version 1.1.3. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to:
https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
warnings.warn()
/usr/local/lib/python3.9/site-packages/sklearn/base.py:329: UserWarning: Trying to unpickle estimator TfidfTransformer from version 1.0.2 when using version 1.1.3. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to:
https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
warnings.warn()
[INFO] Application startup complete.
[INFO] Uvicorn running on http://0.0.0.0:8000 (Press CTRL+C to quit)
```

Sin el parámetro body desde el navegador



Con el parámetro body desde Postman

http://0.0.0.0:8000/api/v1/classify?code=pau_saca_10

Save

GET

http://0.0.0.0:8000/api/v1/classify?code=pau_saca_10

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

2

3

...

"Description":: "we want to make bigger classrooms for our students"

Body

Cookies

Headers (4)

Test Results

Status: 200 OK

Time: 189 ms

Size: 149 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

"Prediction": "Founded"

Images

Give Feedback

LOCAL

REMOTE REPOSITORIES

Search

In use only

NAME	TAG	IMAGE ID	CREATED	SIZE	
exam-image	IN USE	v1	5f3b0fdaf9f4	12 minutes ago	698.79 MB

Containers

Give Feedback

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Showing 1 items

Search

	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<div><div></div><div>exam-app</div><div>2990d332ff7</div></div>		exam-image:v1	Running	8000	4 minutes ago	<div><div></div><div></div><div></div></div>