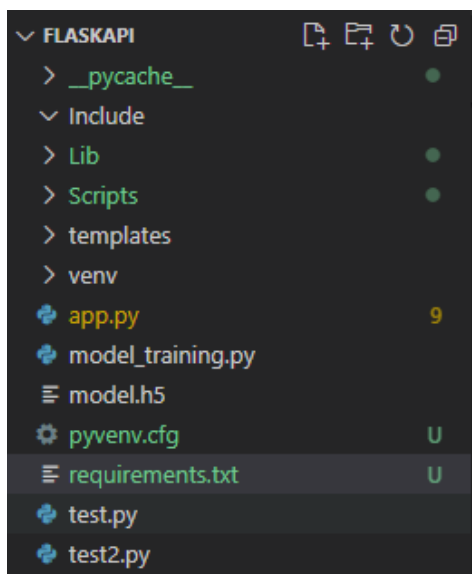


Name: cab case study  
Report date: 04-07-2021  
Internship Batch: LISUM01  
Version:1.0  
Data intake by: Almudena Zhou Ramírez López  
Data intake reviewer:

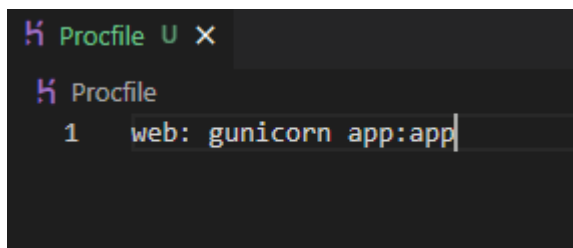
I will deploy the model in Heroku

Once you have the API in Flask, git and Heroku CLI installed as well as logged in, we will create a requests.txt from the virtual environment we have created.

```
(venv) PS E:\DataGlacierInternship\FlaskAPI\FlaskAPI> pip freeze > requirements.txt
```



We create a procfile file for heroku app



Init git in case you have not done already and create a heroku app.

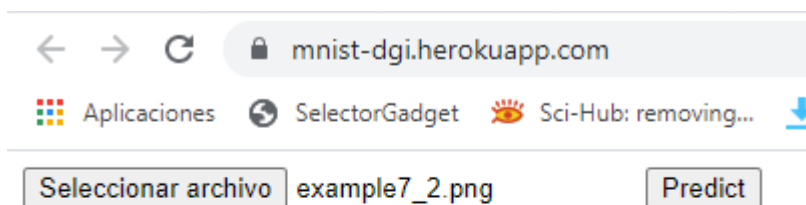
```
(venv) PS E:\DataGlacierInternship\FlaskAPI\FlaskAPI> heroku create xv-ml
» Warning: heroku update available from 7.53.0 to 7.56.0.
Creating ● xv-ml... !
! Name xv-ml is already taken
(venv) PS E:\DataGlacierInternship\FlaskAPI\FlaskAPI> heroku create mnist-dgi
» Warning: heroku update available from 7.53.0 to 7.56.0.
Creating ● mnist-dgi... done
https://mnist-dgi.herokuapp.com/ | https://git.heroku.com/mnist-dgi.git
```

In order to avoid unnecessary text, I will only put an image of the commands I used.

```
git add --all
git commit -m "Deploying flask project"
git push heroku master
```

I had to change the model in order to save it in a pickle, so instead of using tensorflow I had to use sklearn and also change the script to not use the cv2 library because it gave me some problems when the model was deployed.

```
Almudena@DESKTOP-KQAMV5N MINGW64 /e/DataGlacierInternship/FlaskAPI/FlaskAPI (main)
$ heroku open
» Warning: heroku update available from 7.53.0 to 7.56.0.
```



## Predictions



And now, we close the app in order to not consume all the free minutes for the month.

```
Almudena@DESKTOP-KQAMV5N MINGW64 /e/DataGlacierInternship/FlaskAPI/FlaskAPI (main)
$ heroku ps:scale web=0
» Warning: heroku update available from 7.53.0 to 7.56.0.
Scaling dynos... done, now running web at 0:Free
```