

Week 5 – Deployment on Heroku – Book Genre predictor

Name: Jose Luis Castañeda Terrones

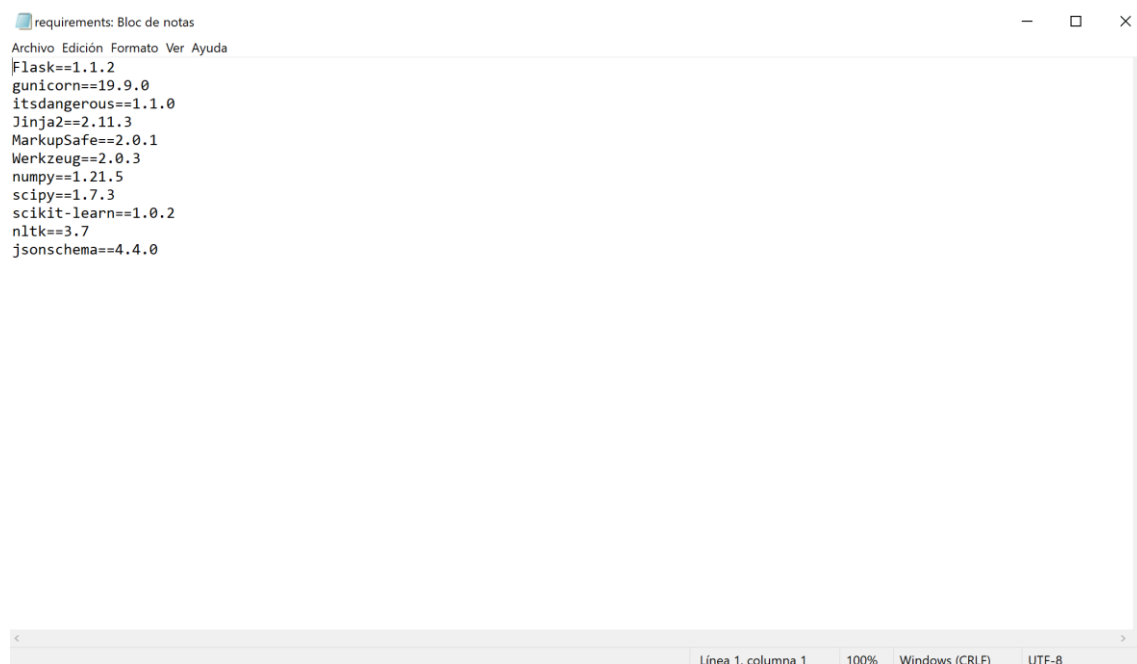
Batch code: LISUM 10

Submission date: 07/05/2022

Submitted to: https://github.com/JoseLuisCastanedaT/book_genre_pred_heroku

I will be using the model created for week 4 (Book Genre Predictor).

Step 1: Creating requirements.txt



A screenshot of a Notepad window titled "requirements: Bloc de notas". The window contains the following text:

```
Flask==1.1.2
gunicorn==19.9.0
itsdangerous==1.1.0
Jinja2==2.11.3
MarkupSafe==2.0.1
Werkzeug==2.0.3
numpy==1.21.5
scipy==1.7.3
scikit-learn==1.0.2
nltk==3.7
jsonschema==4.4.0
```

The status bar at the bottom of the window indicates "Línea 1, columna 1", "100%", "Windows (CRLF)", and "UTF-8".

Notice here that gunicorn is important to deploy in Heroku, because it requires it in the Procfile.

Creating wsgi.py:

```
wsgi.py
1  from app import app
2
3  if __name__ == "__main__":
4      app.run()
```

Creating Procfile for Heroku:

```
h Procfile
1  web: gunicorn wsgi:app
```

Creating .gitignore file to ignore the venv:

```

.gitignore
1 .book_genre_pred_venv/


```


Uploading files to Github repository:


JoseLuisCastanedaT added .gitignore			0b273ad 16 minutes ago	🕒 5 commits
📁 __pycache__	Flask app - Heroku			1 hour ago
📁 book_genre_pred_venv	Flask app - Heroku			1 hour ago
📁 corpora	Flask app - Heroku			1 hour ago
📁 templates	Flask app - Heroku			1 hour ago
📄 .gitignore	added .gitignore			16 minutes ago
📄 BooksDataSet.csv	Flask app - Heroku			1 hour ago
📄 Procfile	added Procfile and wsgi			25 minutes ago
📄 README.md	first commit			44 minutes ago
📄 app.py	Flask app - Heroku			1 hour ago
📄 bookgenremodel.pkl	Flask app - Heroku			1 hour ago
📄 requirements.txt	Flask app - Heroku			1 hour ago
📄 tfdifvector.pkl	Flask app - Heroku			1 hour ago
📄 wsgi.py	added Procfile and wsgi			25 minutes ago

Connecting Heroku to Github:

Deployment method

 Heroku Git
Use Heroku CLI

 GitHub
Connected

 Container Registry
Use Heroku CLI

App connected to GitHub

Code diffs, manual and auto deploys are available for this app.

Connected to [JoseLuisCastanedaT/book_genre_pred_heroku](#) by [JoseLuisCastanedaT](#) [Disconnect...](#)

Releases in the [activity feed](#) link to GitHub to view commit diffs

Deploying main branch:

Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more](#).

Choose a branch to deploy

[Deploy Branch](#)

Receive code from GitHub ✓

Build main @b273ada ***

```
-----> Building on the Heroku-20 stack
-----> Determining which buildpack to use for this app
-----> Python app detected
-----> No Python version was specified. Using the buildpack default: python-3.10.5
-----> To use a different version, see: https://devcenter.heroku.com/articles/python-runtimes
-----> Installing python-3.10.5
-----> Installing pip 22.1.2, setuptools 60.10.0 and wheel 0.37.1
```

☒ Autoscroll with output [View build log](#)

Testing: The deployed app only predicts introducing 1 word, this is maybe because we are using Heroku free tier and more than 1 word requires more computational power.

Link to deployed model: <https://book-genre-pred.herokuapp.com/>

Book Genre Prediction

Enter the Summary of the Book

Predict

Your Summary : Once...

Predicted Genre for the summary is : **Fantasy**