Week 5 – Deployment on Heroku – Book Genre predictor

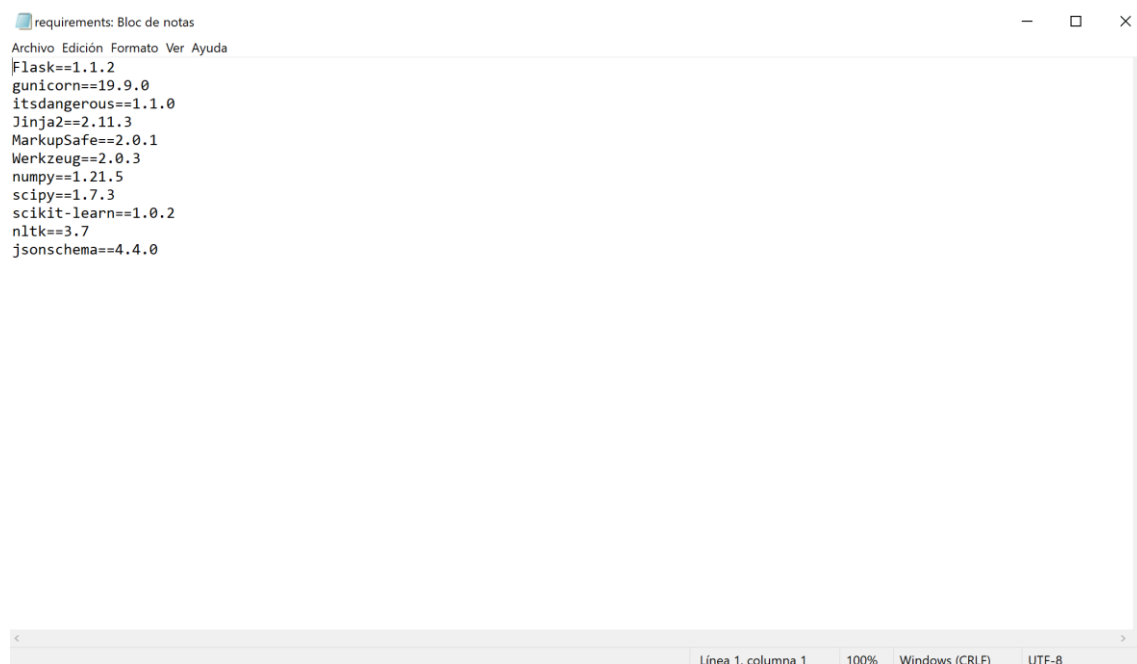Name: Jose Luis Castañeda Terrones

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

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

Creating wsgi.py:

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

Creating Procfile for Heroku:

```
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

🍴 main   ↕   Deploy Branch

Receive code from GitHub   ✓

Build **main** `0b273ada`   • • •

```
-----> 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.

Book Genre Prediction

Enter the Summary of the Book

Predict

Your Summary : Once...

Predicted Genre for the summary is : Fantasy