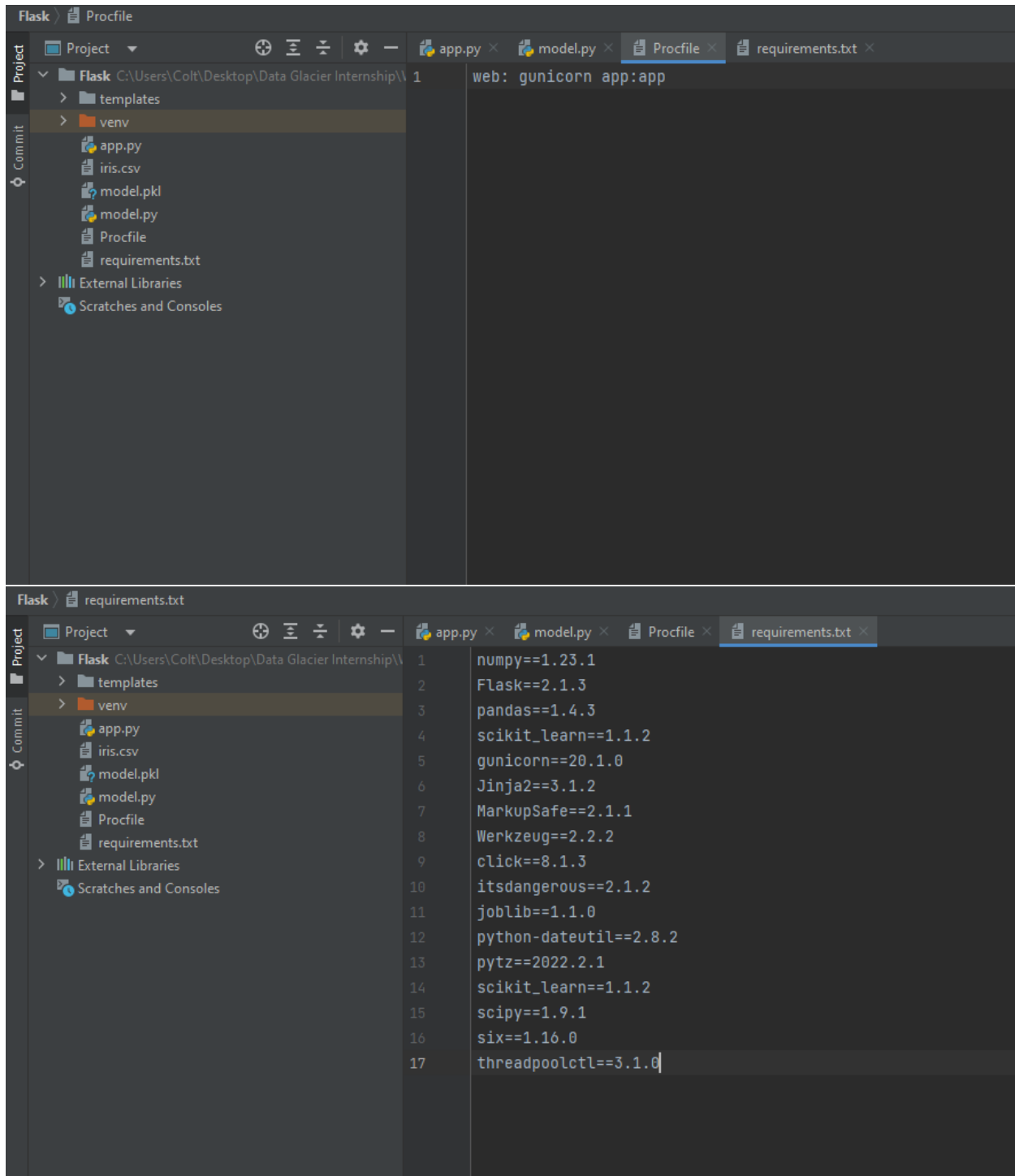


Name: Richard Coltenback

Batch Code: LISUM12

Report date: September 5th, 2022

Data storage location: <https://github.com/RColtenback/Cloud-and-API-Week-5>



The image displays two screenshots of the PyCharm IDE interface, showing a Flask project setup.

Top Screenshot: The 'Procfile' tab is active, showing the command `web: gunicorn app:app`. The project structure on the left includes a `venv` folder and files like `app.py`, `iris.csv`, `model.pkl`, `model.py`, `Procfile`, and `requirements.txt`.

Bottom Screenshot: The `requirements.txt` file is open, listing the following dependencies:

```
1 numpy==1.23.1
2 Flask==2.1.3
3 pandas==1.4.3
4 scikit_learn==1.1.2
5 gunicorn==20.1.0
6 Jinja2==3.1.2
7 MarkupSafe==2.1.1
8 Werkzeug==2.2.2
9 click==8.1.3
10 itsdangerous==2.1.2
11 joblib==1.1.0
12 python-dateutil==2.8.2
13 pytz==2022.2.1
14 scikit_learn==1.1.2
15 scipy==1.9.1
16 six==1.16.0
17 threadpoolctl==3.1.0
```

← → dashboard.heroku.com/apps

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Salesforce Platform

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Personal New

Welcome to Heroku
Now that your account has been set up, here's how to get started.

Show next steps

Starting November 28th, 2022, free Heroku Dynos, free Heroku Postgres, and free Heroku Data for Redis* will no longer be available. If you have apps using any of these resources, you must upgrade to paid plans by this date to ensure your apps continue to run and to retain your data. [Learn more](#)

Filter apps and pipelines

species-prediction-week-5 Python heroku-22 United States ☆

← → dashboard.heroku.com/apps/species-prediction-week-5/deploy/heroku-git

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Choose a pipeline

Deployment method

Heroku Git Use Heroku CLI GitHub Connect to GitHub Container Registry Use Heroku CLI

Deploy using Heroku Git

Use git in the command line or a GUI tool to deploy this app.

Install the Heroku CLI

Download and install the [Heroku CLI](#)

If you haven't already, log in to your Heroku account and follow the prompts to create a new SSH public key

```
$ heroku login
```

Clone the repository

Use Git to clone species-prediction-week-5's source code to your local machine.

```
$ heroku git:clone -s species-prediction-week-5
$ cd species-prediction-week-5
```

Deploy your changes

Make some changes to the code you just cloned and deploy them to Heroku using Git.

```
$ git add .
$ git commit -am "make it better"
$ git push heroku master
```

You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the [instructions page](#).

```
Terminal: C:\Window...rshell.exe x + v

PS C:\Users\Colt\Desktop\Data Glacier Internship\Week 5\Flask> git add .
warning: in the working copy of '.idea/workspace.xml', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\Colt\Desktop\Data Glacier Internship\Week 5\Flask> git commit -m 'commit'
[master b3f8dd8] commit
2 files changed, 7 insertions(+), 6 deletions(-)
PS C:\Users\Colt\Desktop\Data Glacier Internship\Week 5\Flask> git push heroku master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
```

```
Terminal: C:\Window...rshell.exe x + v

remote: -----> Discovering process types
remote:      Procfile declares types -> web
remote:
remote: -----> Compressing...
remote:      Done: 133.8M
remote: -----> Launching...
remote:      Released v31
remote:      https://species-prediction-week-5.herokuapp.com/ deployed to Heroku
remote:
```

species-prediction-week-5.herokuapp.com

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Predicting Flower Species

<input type="text" value="Sepal Length"/>	<input type="text" value="Sepal Width"/>	<input type="text" value="Petal Length"/>	<input type="text" value="Petal Width"/>	<input type="button" value="Predict"/>
---	--	---	--	--

Predicting Flower Species

.05

.95

.0005

.08

Predict

The flower species is ["Versicolor"]