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Steps taken for week 5: Cloud and API deployment

1) Data intake report :

Data used is the same data used during week 4 report about flight price prediction.

2) Steps of deployment:

- A new repository is created in github in order to link the repository to Heroku.
<https://github.com/Saad-code13/Flight-price-prediction-demo>

- A Procfile is created in the Flask app repository, this Procfile contains the line :

```
web: gunicorn app:app
```

This is going to tell Heroku to use gunicorn as a web server and the name of the app.

- A requirements.txt file is created. This file contains all the libraries and their versions required for the project to work. Heroku will install all these libraries.

```
Flask==1.1.1
gunicorn==19.9.0
itsdangerous==1.1.0
Jinja2==2.10.1
MarkupSafe==1.1.1
Werkzeug==0.15.5
numpy>=1.9.2
scipy>=0.15.1
scikit-learn>=0.18
matplotlib>=1.4.3
pandas>=0.19
```

- Creating a heroku account.
- Creating the project name.
- Linking Heroku to github.



Heroku Git
Use Heroku CLI



GitHub
Connected



Container Registry
Use Heroku CLI

- Choosing the project name.

Connected to [Saad-code13/Flight-price-prediction-demo](#) by [Saad-code13](#) Disconnect...

- Deploying the project.

Build main 3891403f

```
-----> Installing requirements with pip
-----> Discovering process types
Procfile declares types -> web
-----> Compressing...
Done: 193.1M
-----> Launching...
Released v13
https://flight-prediction-assignment.herokuapp.com/ deployed to Heroku
```

☒ Autoscroll with output

[View build log](#)

Deploy to Heroku



Your app was successfully deployed.

[View](#)

- Viewing the result.

<https://flight-prediction-assignment.herokuapp.com/>

Predict Flight price

Choose an Airline:

Choose a source City:

Choose a departure time:

Choose number of stops:

Choose arrival time:

Choose destination City:

Choose Class:

Choose flight duration (in hours):

Choose days left until flight: