Implementing a Dash based Web Application with Heroku Platform

1. Go to https://github.com/ and create a free account;
2. Now log in and create a new repository:

3. Confirm that it is 'Public' and choose an appropriate name for it;
4. In order to run an application on Heroku platform you'll need to have in your repository at least three files:
   a. *Procfile* - to explicitly declare what command should be executed to start your app (for our specific needs it's always the same file);
   b. *Requirements.txt* - where you'll define all the libraries needed to run your app;
   c. *App.py* - Since the course is in python, this is where you'll put all the code needed to successfully run your application.
5. In the probable case where your app needs a particular dataset you'll have to upload it to the repository as well;

6. For this introduction we'll provide all the files needed to quickly run a demo, so your repository should look something like this:
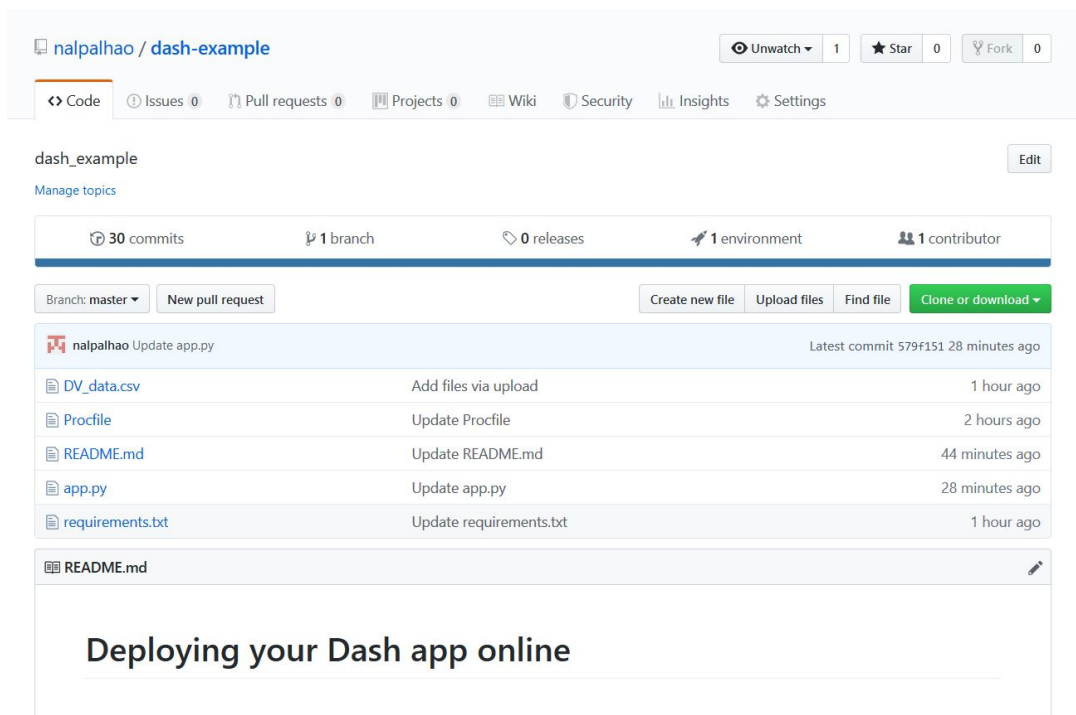
7. Now that you have your git all set up go to https://signup.heroku.com/ and create a free account;
8. Create a new app, do not forget to set the region to Europe and choose an appropriate name, it should look something like this:
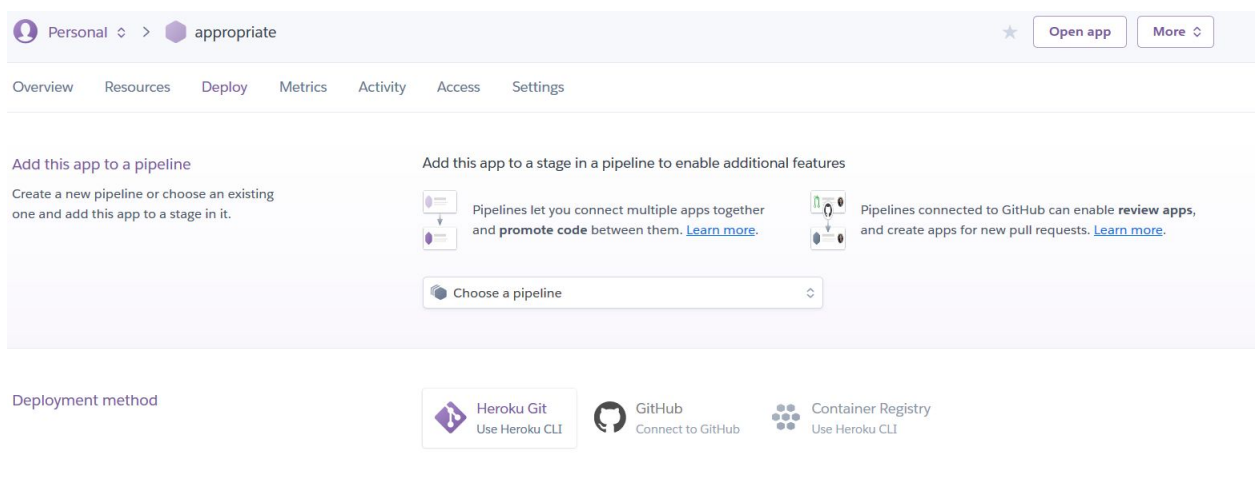
9. Click on the button saying 'deploy' on the upper tab and in the 'deployment method' choose GitHub, this will redirect you to a GitHub page where you'll log in with your newly created account;

10. Search and choose your appropriately named repository:

11. Shortly after, a new set of options should appear below where you'll be able to manually deploy your application or set it to automatically deploy whenever you change your git repository;

12. If everything went well then everyone should be able to access your newly created app:

'https://' - your apps name - '.herokuapp.com/'

13. Now you have everything set up, to modify your app you'll need to change it in the GitHub repository (remember to add all needed libraries in the 'requirements.txt' file) and redeploy the app (not needed if you enabled 'automatic deploy' previously).

Note:

     If any problem occurs during the deployment you can click on the 'Activity' button on your Heroku's apps web page and access the log files of any particular deployment to have a deeper understanding of what went wrong.