**Deploy Multi-Page Dash App to the Web with Heroku**

1. Sign up for account on Heroku
2. Create your new App name (this will be part of the app’s url)
3. Download and install Heroku CLI (allow you to create and manage your Heroku apps directly from the terminal)
4. Create new project in Pycharm (where your app code and files will be located)
   1. Choose new environment using Virtualenv
   2. Select a python Base interpreter (no need to check the boxes under interpreter
5. Create a new .py file to start writing the code for your app. If you already created the code for your app, copy those files into your new project folder.
6. Open terminal, and cd into your project folder if necessary
7. Pip install any libraries and specific versions your app needs. My app uses the following (install any version you want):

$ pip install numpy==1.19.1

$ pip install pandas==1.0.0

$ pip install plotly==4.10.0

$ pip install dash==1.16.0

$ pip install gunicorn==20.0.4

1. Create .gitignore file inside your project folder (tells Git which files or folders to ignore in a project) and add these lines into it:

$ venv \*.pyc .env .DS\_Store (4 separate lines)

1. Create a Procfile inside same folder and add this line inside:

$ web: gunicorn YourAppEntryFileWithout.py:server

1. Create requirements. Go back to terminal, cd to project folder if necessary, and type:

$ pip freeze > requirements.txt

1. Inside the IDE terminal, type the following-

$ heroku login

$ git init

$ heroku git:remote -a AppNameFromStep2

$ git add .

$ git commit -am "initial launch"

$ git push heroku master

1. \*\*To Re-deploy your app, follow the instructions on the Deploy tab in the Heroku website