Django Application Deployment on Heroku

We need Few Things :

1. Heroku Accounts : https://signup.heroku.com/

2. Git Software : https://git-scm.com/

3. Heroku CLI : https://devcenter.heroku.com/articles/heroku-cli#download-and-install

4. A Github Account : http://github.com/

After Installation and creation of accounts open CMD

➢ Go to our project directory

➢ Create requirements.txt file with the following commands

➢ Install gunicorn and add that manually in requirements.txt file

➢ In project root directory create a file name **Procfile** and add
   web gunicorn projectname.wsgi –log-file –

➢ Allow host in settings.py file

➢ Create a github repo and push project into it
➢ In our project root directory open cmd to create heroku application

   Commands:
   heroku create
➢ Upload the files to the url shown as in the screenshot

➢ Disable COLLECTSTATIC

```
(ourblog) C:\Users\NightKing\ourblog\awesomeblog>heroku create
Creating app... !
|    You've reached the limit of 5 apps for unverified accounts. Delete some apps or add a credit card to verify your
|    account.

(ourblog) C:\Users\NightKing\ourblog\awesomeblog>heroku create
Creating app... done, @ mighty-depths-88885
https://mighty-depths-88885.herokuapp.com/ | https://git.heroku.com/mighty-depths-88885.git

(ourblog) C:\Users\NightKing\ourblog\awesomeblog>heroku git:remote -a mighty-depths-88885
set git remote heroku to https://git.heroku.com/mighty-depths-88885.git

(ourblog) C:\Users\NightKing\ourblog\awesomeblog>heroku config:set DISABLE_COLLECTSTATIC=1
Setting DISABLE_COLLECTSTATIC and restarting @ mighty-depths-88885... done, v3
DISABLE_COLLECTSTATIC: 1

(ourblog) C:\Users\NightKing\ourblog\awesomeblog>_
```

➢ Push to heroku

```
2019-09-03T17:48:07.445852+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=GET path="/favicon.ico" hos
t=mighty-depths-88885.herokuapp.com request_id=e30b7978-1bbe-49f6-89c5-4c8e7116adee fwd="157.45.75.46" dyno= connect= se
rvice= status=503 bytes= protocol=https
^CTerminate batch job (Y/N)?
^C
(ourblog) C:\Users\NightKing\ourblog\awesomeblog>

(ourblog) C:\Users\NightKing\ourblog\awesomeblog>git push heroku master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 312 bytes | 156.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Compressing source files... done.
remote: Building source:
remote:
remote: -----> Python app detected
remote: -----> Installing requirements with pip
remote:
remote: -----> Discovering process types
remote:        Procfile declares types -> web
remote:
remote: -----> Compressing...
remote:        Done: 50.4M
remote: -----> Launching...
remote:        Released v7
remote:        https://mighty-depths-88885.herokuapp.com/ deployed to Heroku
remote:
```

➢ Our app is now live
➢ Install whitenoise if there is breakage in style and repeat the above steps

```
(ourblog) C:\Users\NightKing\ourblog\Scripts>pip install whitenoise
Collecting whitenoise
  Downloading https://files.pythonhosted.org/packages/96/75/92afb2d8912ac19646f67a2c69bb8683e5aab78db3b0791bfd3e7ed022bb
/whitenoise-4.1.3-py2.py3-none-any.whl
Installing collected packages: whitenoise
Successfully installed whitenoise-4.1.3
WARNING: You are using pip version 19.1.1, however version 19.2.3 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(ourblog) C:\Users\NightKing\ourblog\Scripts>pip freeze > requirements.txt

(ourblog) C:\Users\NightKing\ourblog\Scripts>pip freeze
Django==2.2.2
gunicorn==19.9.0
pytz==2019.1
sqlparse==0.3.0
whitenoise==4.1.3
```