

## Heroku Deployment Steps

- Install and create Heroku account
  - <https://signup.heroku.com/>
- Install Git
  - Open CMD and type **"git"** to verify installed correctly.
- Install Heroku CLI
  - Open CMD and type **"heroku"** to verify installed correctly.
- pip install gunicorn
- Create requirements.txt file (Spelling mistake not allowed)
  - Pip freeze > requirements.txt
- Create gitignore file inside project directory (filename = .gitignore)
  - <https://raw.githubusercontent.com/github/gitignore/master/Python.gitignore>
- Open cmd
- Create a new file named as **Procfile** inside project directory
  - **web:gunicorn <<project\_name>>.wsgi**
  - **You can follow this step at last to view the error code**
- Enable virtualenv
- cd project directory
- heroku login
  - Login through browser (Type q to exit from command prompt)
- git init
  - need to verify your account once
- heroku create <<app name>>
  - Unique app name.
- Heroku open (It will open a URL in browser)
- Add the URL in ALLOWED\_HOSTS inside the settings.py
  - **You can follow this step at last to view the error code**
- Git tutorial
  - echo "# deployment" >> README.md
  - git init
  - git add README.md
  - git commit -m "first commit"
  - git remote add origin <https://github.com/username/repository.git>
  - git push -u origin master
- **Deployment**
  - **git add -A**
  - **git status (not mandatory)**
  - **git commit -m "message of your commit (It is your own wish)"**
  - **git push heroku master**

- it will install all files inside requirements.txt (make sure all files inside this file)
  - Installation happens only first time or when you update requirements.txt file
  - If installation fails you can assure the requirements.txt file name is not correct
- git status – to view current status of deployment
  - It will be updated when you type git add –A after modifications of any files inside project directory. You can see .git file when you enable hidden files.
- **After modifications of files you need to follow**
  - **git add –A**
  - **git commit –m “Updated new file”**
  - **git push heroku master**
- Create environment variables heroku
  - Type in cmd or terminal as **heroku config:set SECRET\_KEY=”value”**
- Change settings.py and deploy again
- View addons
- Type in cmd or terminal as **heroku addons**
- **Additional configuration**
- pip install django-heroku
- edit settings.py
  - **import django-heroku**
  - **django-heroku.settings( locals() )** at bottom
  - Update requirements.txt file and deploy again
- Heroku command line
  - Type in cmd or terminal as **heroku run bash**
  - Python manage.py collectstatic
  - Python manage.py makemigrations – make sure migrations folder is empty but don’t delete init.py file
  - Python manage.py migrate