**Djangogirls tutorial notes**

Starting a new project:

* Create a virtual environment.
  + Upgrade pip:

myvenv) ~$ python -m pip install --upgrade pip

* + Create a file called requirements.txt
    - In the file type: Django~=3.2.10
    - Run: pip install -r requirements.txt
  + Create a new ‘project’ with: django-admin startproject mysite

Change the settings via settings.py in the newly created folder.

ALLOWED\_HOSTS = ['127.0.0.1', '.pythonanywhere.com']

Starting the Webserver:

python manage.py runserver

http://127.0.0.1:8000/

If you are on Windows and this fails with UnicodeDecodeError, use this command instead:

command-line

(myvenv) ~/djangogirls$ python manage.py runserver 0:8000

**Deploying via GitHub**

Via the terminal use the following commands to add the current directory source files to a ‘new’ (previously created) repository.

* In a terminal: navigate to the directory you want to start as a repository.
* git init 🡪 initialises a empty git repository
* git config –global user.name “Your Name”
* git config –global user.email [you@example.com](mailto:you@example.com)
* Within the directory you can add a file named “.gitignore”, this file will tell git what files and folders to exclude from the repository. Save within the chosen directory.
* Before making a commitment, it is a good idea to check what files where updated if any (checking for wrong files or committed) : git status
* Finally: ‘we save our changes’ git add .
* git commit -m “*description of the commit”*
* Push your code to GitHub:
  + Within your account, create a new repository with desired settings, if already added the .gitignore then untick the box.
  + On the next screen it should show the repo’s clone URL, copy it.
  + In terminal type: git remote add origin https:://github.com/<your\_username>/<repository\_name.git>
    - you will be prompted for a username and password.
    - Then: git push

**PythonAnywhere:**

This is where we host the website, using Django as the framework.

The admin account for my blog website:

CodeWalker

md0ts1819

Django, Checking the deployment:

Run: manage.py check --deploy

<https://docs.djangoproject.com/en/3.2/howto/deployment/checklist/>