**Django: Quick Notes** –Creating Virtualized Environments (Venv / pip for isolated environments)

**1. Create proj folder**

**2 Install venv**

<http://docs.python-guide.org/en/latest/dev/virtualenvs/>

<https://hackercodex.com/guide/python-development-environment-on-mac-osx/>

**pip install virtualenv** (if nec)

3. Create venv

<http://tutorial.djangogirls.org/en/django_installation/>

**python3 -m venv v1**

(-m mod : run library module as a script (terminates option list))

4. activate venv

**cd Scripts**

**activate**

Result shows:

(v1) iMacs-iMac:projects imac$

\*\*\*\*cd v1 to check environ ... bin, etc

5. install django

pip install --upgrade pip (if nec)

**pip install django~=1.11.0**

6. install django site (project)

https://docs.djangoproject.com/en/1.11/intro/tutorial01/

**django-admin startproject mysite**

\*observe file tree

open mysite files- **including .db** file (initially)

**Test server:**

cd mysite

$**python manage.py runserver**

\*\*\*See what gets created

(v1) iMacs-iMac:mysite imac$ ls

db.sqlite3 manage.py mysite

You have unapplied migrations; your app Run 'python manage.py migrate' to apply them.

[25/Jul/2016 19:30:15] "GET / HTTP/1.1" 200 1767

\*\*\*hit refresh everytime

7. create django app

**python manage.py startapp polls**

observe tree

(v1) iMacs-iMac:mysite imac$ tree

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├── db.sqlite3

├── manage.py

├── mysite

│   ├── \_\_init\_\_.py

│   ├── \_\_pycache\_\_

│   │   ├── \_\_init\_\_.cpython-34.pyc

│   │   ├── settings.cpython-34.pyc

│   │   ├── urls.cpython-34.pyc

│   │   └── wsgi.cpython-34.pyc

│   ├── settings.py

│   ├── urls.py

│   └── wsgi.py

└── polls

├── \_\_init\_\_.py

├── admin.py

├── apps.py

├── migrations

│   └── \_\_init\_\_.py

├── models.py

├── tests.py

└── views.py

\*observe file tree

open poll files- including **db.sqlite3** file (refreshed)