**To create a virtual environment:**

python -m venv [nameEnv]

**Creating a Django/Python Project**

* ***Activate your virtual environment****~~* call [virtualEnvName]\scripts\activate [or deactivate]

django-admin startproject *projectName*

cd *projectName*

* python manage.py runserver (test\_server)

mkdir apps

cd apps

nul>\_\_init\_\_.py

python ../manage.py startapp *appName*

cd *appName*

WINDOWS: nul>urls.py ;;; BASH touch urls.py

mkdir templates/*appName*

cd templates/*appName*

*(optional)* WINDOW: nul>index.html ;;; BASH touch index.html

In text editor:

Go to settings.py

* Add to INSTALLED\_APPS: “*apps.appName*”

Go to the *projectName* URLS.py

* Add “include to the first import statement Comment out the second import statement
* Edit the regex string to just say ‘^’
* After the comma, add “include ( ‘apps.*appName*.urls’)”

Go to *appName* views.py

* Add redirect to the import line
* write a function **def index(request):**
* Add a context dict: **context={‘test’: ‘this works’}**
* Add a return statement: **return render(request, ‘appName/index.html’, context)**

Go to *appName* urls.py

* Write the following import statements:
  + **from django.conf.urls import url**
  + **from . import views**
* write the following view pattern:
  + **urlpatterns=[url(r'^$', views.index)]**

To create a django model:

* go to Model.py: (as an example:)
  + type class Person(models.Model):
  + first\_name = models.CharField(max\_length=45)
  + company = models.ForeignKey(Company, related\_name=employees)
  + education\_levels = models.ManyToMany(education\_levels, related\_name=students)