**Install, Initialize and create necessary files for django environment:**

* **python -m venv venv -** creates virtual environment for python
* **venv\Scripts\activate**
* **(venv) C:\Users\jugue\OneDrive\Desktop\Django>django-admin startproject mysite**
* **python manage.py runserver**
* **Go tho this link:** [**http://127.0.0.1:8000/**](http://127.0.0.1:8000/)
* **python manage.py startapp initial**
* **main/initial folder is the application we’re gonna link to our project**
* **python manage.py migrate**
* **Making migration is like adding something to staging area, similar to version control. Applying change to the project**
* **python manage.py makemigrations initial**

| **(venv) D:\OneDrive - Polytechnic University of the Philippines\Desktop\IntroToDjango\mysite>pyton manage.py shell**  **'pyton' is not recognized as an internal or external command,**  **operable program or batch file.**  **(venv) D:\OneDrive - Polytechnic University of the Philippines\Desktop\IntroToDjango\mysite>python manage.py shell**  **D:\Python\lib\site-packages\IPython\core\interactiveshell.py:937: UserWarning: Attempting to work in a virtualenv. If you encounter problems, please install IPython inside the virtualenv.**  **warn(**  **Python 3.10.11 (tags/v3.10.11:7d4cc5a, Apr 5 2023, 00:38:17) [MSC v.1929 64 bit (AMD64)]**  **Type 'copyright', 'credits' or 'license' for more information**  **IPython 8.24.0 -- An enhanced Interactive Python. Type '?' for help.**  **In [1]: from initial.models import Item, ToDoList**  **In [2]: t = ToDoList(name="Ace\'s List")**  **In [3]: t.save()**  **In [4]: ToDoList.objects.all()**  **Out[4]: <QuerySet [<ToDoList: Ace's List>]>**  **In [5]: t.item\_set.create(text="go watch tv", complete=False)**  **Out[11]: <Item: go watch tv>**  **In [12]: t.item\_set.get(id=1)**  **Out[12]: <Item: go watch tv>** |
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**Notes:**

1. In Django, when creating an html file, you need to **create a folder template on main**, then **create another folder having the same name of the root folder which is main.**
2. Template inheritance - the cutting edge of django
3. Base Template - the default thing in a website, it’s like the nav.
4. To inherit is here:

| {% extends 'initial/base.html' %} |
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1. Go to views.py

| from django.shortcuts import render  from django.http import HttpResponse  from .models import ToDoList, Item  # Create your views here.  def index(response, id):  ls = ToDoList.objects.get(id=id)  return render(response, "main/base.html", {})  def home(response):  return render(response, "main/home.html", {}) |
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