Django

1. create virtual environment, activate it, then install Django inside it

python3 -m venv djangoPy3Env

call source djangoPy3Env/bin/activate

pip3 install Django

2. Create your project in some directories, then go to the project folder, as follows:

django-admin startproject your\_project\_name\_here

cd your\_project directory

3. Run the server using the following command then open it in the browser:

python3 manage.py runserver

http://127.0.0.1:8000/

4. For every app we want to add to our project, we'll do the following:

your\_project\_name\_here> python3 manage.py startapp your\_app\_name\_here

5. for file settings.py, add the App to the INSTALLED\_APPS dictionary as follows:

INSTALLED\_APPS = [ 'your\_app\_name\_here',

6. in the project urls.py, add URL of your app

from django.urls import path, include

urlpatterns = [ path('', include('your\_app\_name\_here.urls')),

7. in the App, create file called urls.py, add the URL

from django.urls import path

from . import views

urlpatterns = [ path('', views.index), ]

then in our app's views.py file, put a function called index

from django.shortcuts import render, HttpResponse

def index(request):

return HttpResponse("this is the equivalent of @app.route('/')!")

8. python manage.py runserver

Notes:

1. Static Files: {% load static %}

<link rel="stylesheet" href="{% static 'style.css' %}">

2. Form Submission: {% csrf\_token %}

3. Refresh on the same page

return redirect(request.META['HTTP\_REFERER'])

4- Migrations

> python3 manage.py makemigrations

> python3 manage.py migrate