Commands for starting the Django project and creating virtual environment-

pip install pipenv

pipenv shell

pipenv install Django

pipenv install Pillow //to handle images

Django-admin startproject nameofproject

Different type of module in Django is called as app.

Now connecting Django to postgresql

DATABASES = {

    'default': {

        'ENGINE': 'django.db.backends.postgresql',

        'NAME': 'lcotubers',

        'USER':'postgres',

        'PASSWORD':'13021999',

        'HOST':'localhost'

    }

}

And install

pipenv install **psycopg2**

<https://djangopackages.org/grids/g/admin-styling/> for changing admin dashboard

<https://github.com/django-cms/djangocms-admin-style> for this django cms

To create /serve the static files in Django

Add this in Django settings.py

STATIC\_URL = '/static/'

STATIC\_ROOT= os.path.join(BASE\_DIR,'static')

STATICFILES\_DIRS= [

    os.path.join(BASE\_DIR,'tubers/static')

]

Creating webpages app

python manage.py startapp webpages

now we have to add app name in installed in settings.py

INSTALLED\_APPS = [

'webpages.apps.WebpagesConfig',

]

Create a url to serve this in urls.py in tubers

urlpatterns = [

    path('admin/', admin.site.urls),

    path('',include('webpages.urls')),

]+ static(settings.MEDIA\_URL,*document\_root*=settings.MEDIS\_ROOT)

Now editing urls.py in webpages

urlpatterns=[

    path("",views.home,*name*="home"),

    path("about",views.about,*name*="about"),

    path("services",views.about,*name*="services"),

    path("contact",views.about,*name*="contact"),

]

We also have to edit templates in settings,py of our main app tubers

TEMPLATES = [

    {

        'BACKEND': 'django.template.backends.django.DjangoTemplates',

        'DIRS': ['templates'],

        'APP\_DIRS': True,

        'OPTIONS': {

            'context\_processors': [

                'django.template.context\_processors.debug',

                'django.template.context\_processors.request',

                'django.contrib.auth.context\_processors.auth',

                'django.contrib.messages.context\_processors.messages',

            ],

        },

    },

]

Now in view we have add pages to display at thar particular url

from django.shortcuts import render

*# Create your views here.*

def home(*request*):

    return render(*request*,'webpages/home.html')

def about(*request*):

     return render(*request*,'webpages/about.html')

def services(*request*):

    return render(*request*,'webpages/services.html')

def contact(*request*):

    return render(*request*,'webpages/contact.html')

to add custom css in webpages template

*<!-- custom css -->*

  <link *rel*="stylesheet" *href*="{% static './css/base.css' %}">

  <link *rel*="stylesheet" *href*="{% static './css/utils.css' %}">

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

  <link *rel*="stylesheet" *href*="{% static './css/mediaquery.css' %}">

To include modularity

 {% include 'includes/header.html' %}