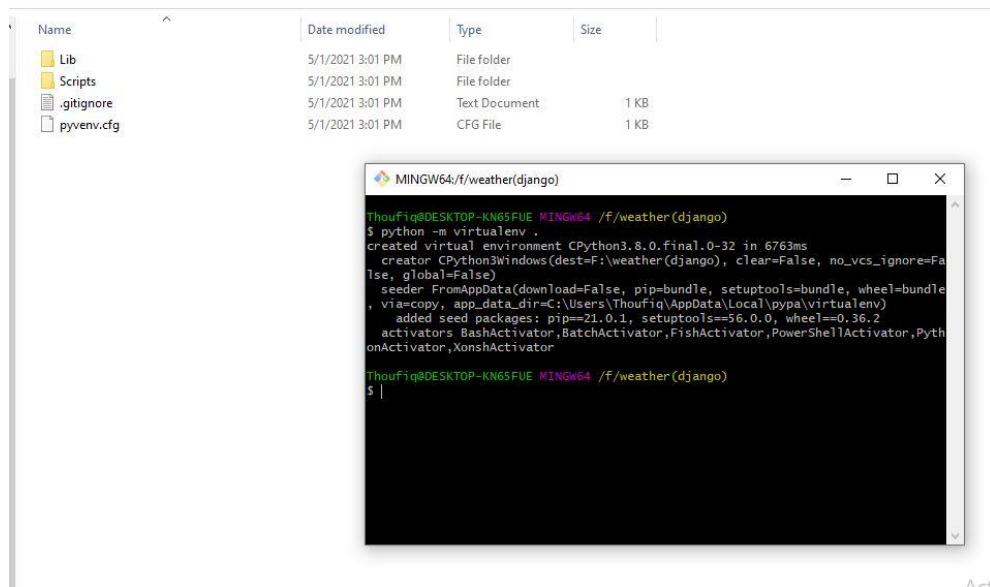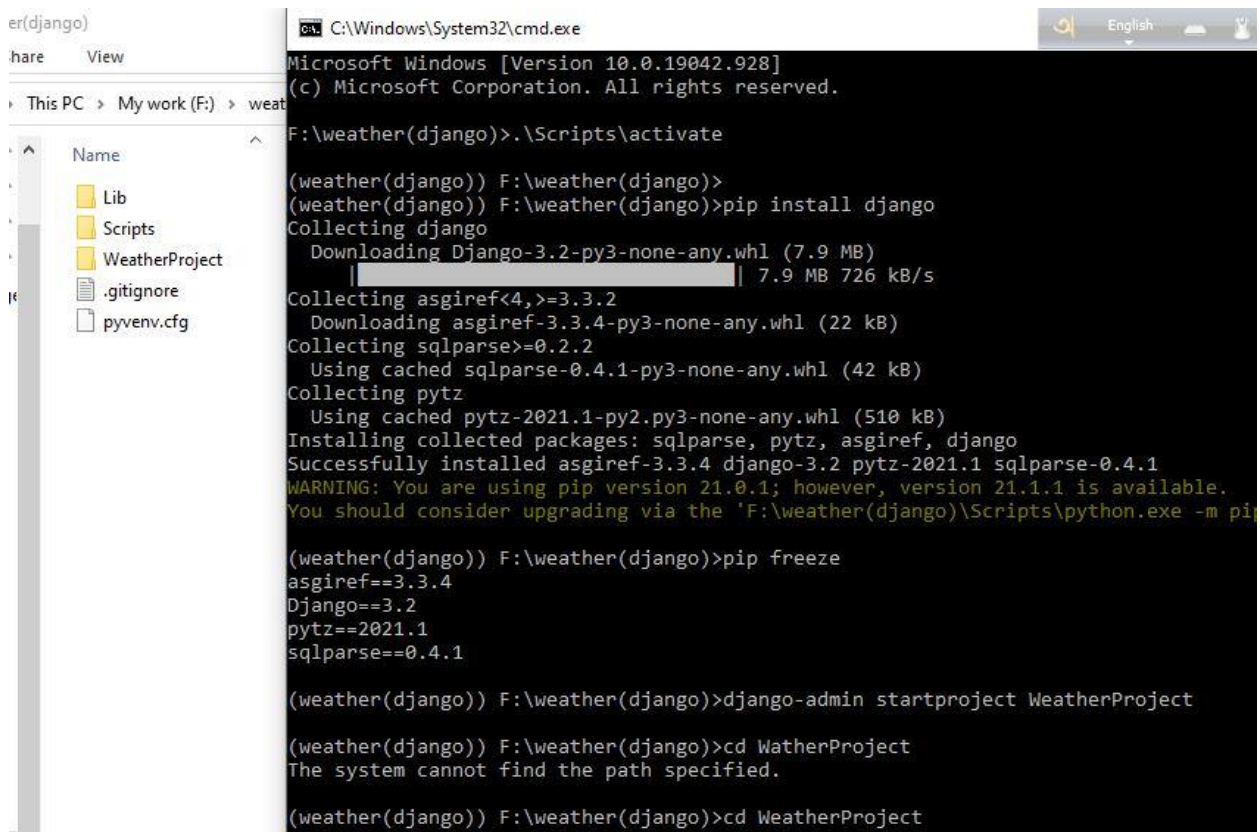# Weather App with Django

1.Firstly create virtual envornment:

2.activate virtual environment ,create project and create app:

3. now add app,templates,media and static in the sitting option.we added green mark line.

```python
import os
from pathlib import Path

# Build paths inside the project like this: BASE_DIR / 'subdir'.
BASE_DIR = Path(__file__).resolve().parent.parent
TEMPLATE_DIR = os.path.join(BASE_DIR,'templates')
MEDIA_DIR = os.path.join(BASE_DIR, 'media')

# Quick-start development settings - unsuitable for production
# See https://docs.djangoproject.com/en/3.2/howto/deployment/checklist/

# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY = 'django-insecure-k^v3t4w*fch8&j7)pnjvtlkc1-l+t$vw(m=p=*xznvma0fk@34'

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = True

ALLOWED_HOSTS = []


# Application definition

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'WeatherApp',
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]
```

```python
ROOT_URLCONF = 'WeatherProject.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [TEMPLATE_DIR],

        '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',
            ],
        },
    },
]

WSGI_APPLICATION = 'WeatherProject.wsgi.application'


# Database
# https://docs.djangoproject.com/en/3.2/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': BASE_DIR / 'db.sqlite3',
    }
}


# Password validation
# https://docs.djangoproject.com/en/3.2/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityV
alidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
```

```python
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator'
,
    },
    {
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator
',
    },
]


# Internationalization
# https://docs.djangoproject.com/en/3.2/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = True

USE_L10N = True

USE_TZ = True


# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/3.2/howto/static-files/

STATIC_ROOT = os.path.join(BASE_DIR, 'staticfiles')
STATIC_URL = '/static/'

# Extra places for collectstatic to find static files.
STATICFILES_DIRS = (
    os.path.join(BASE_DIR, 'static'),
)
MEDIA_URL = '/media/'

MEDIA_ROOT = MEDIA_DIR
```

4. if all thing is set then we migration

Python manage.py makemigrations

5. then migrate

Python manage.py migrate

6.then createsuper user

Python manage.py createsuperuser

Username: admin

Password: admin

7. Now ran and its perfect work

Python manage.py runserver

Add templates part

Project urls:

```python
from django.contrib import admin
from django.urls import path,include
from django.conf import settings
from django.conf.urls.static import static
urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('WeatherApp.urls', namespace='WeatherApp'))
]

if settings.DEBUG:
    urlpatterns += static(settings.STATIC_URL,
                          document_root=settings.STATIC_ROOT)
    urlpatterns += static(settings.MEDIA_URL,
                          document_root=settings.MEDIA_ROOT)
```

app urls:

```python
from django.urls import path
from .views import CityWeatherView
app_name = 'WeatherApp'
urlpatterns = [
    path('', CityWeatherView, name='city_weather'),

]
```
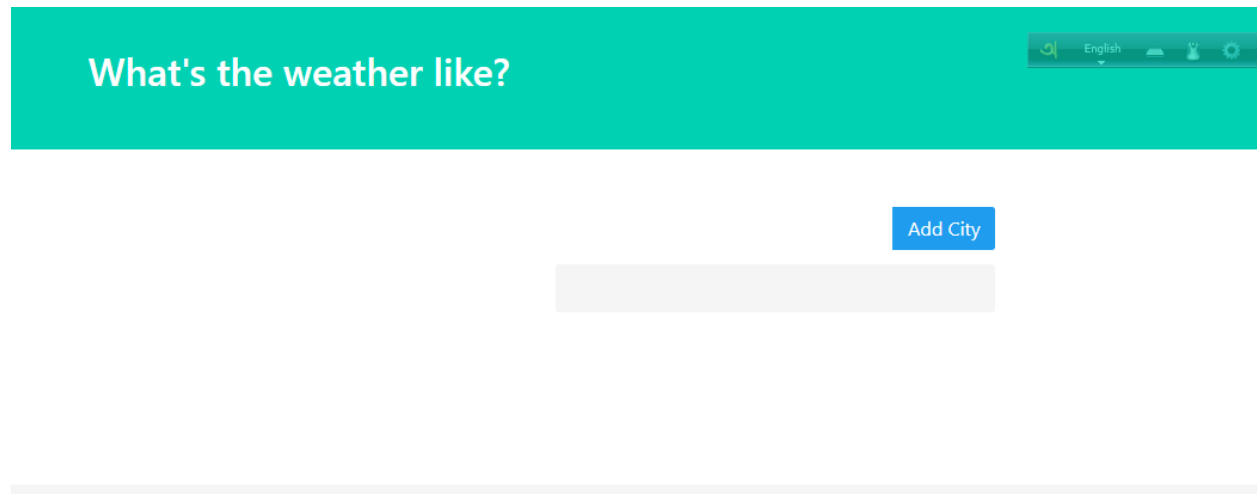
App views:

```python
from django.shortcuts import render

def CityWeatherView(request):
    context={

    }
    return render(request,'weather.html',context)
```

output:

What's the weather like?

English

Add City

Github:

https://github.com/thoufiqzumma