

Install Django:

Open CMD

Type: pip install django

Check Install or Not : pip freeze

Create Django Project:

Open CMD in the Destination Location

Type: django-admin startproject ProjectName

Starting Development Server

Open CMD

python manage.py runserver

Open Browser:

Type: localhost:8000

localhost:8000/admin

By Default Server Port is : 8000

Change 8000 to Custom Port: python manage.py runserver 4444

Vscode Editor Extension:

1. Python Extension Pack
2. Auto Tag
3. Intellisence
4. Django snippits

Django Structure:

**📁 hunterproject/**

This is the **main Django project folder** (same name as your project). It usually contains:

* \_\_init\_\_.py — makes this directory a Python package.
* settings.py — configuration for your Django project.
* urls.py — URL declarations for the project.
* asgi.py and wsgi.py — entry points for ASGI/WGI servers.

**📁 media/**

This folder is usually for **user-uploaded files** (like images, PDFs, etc.). You reference it using MEDIA\_URL in settings.

**📁 static/**

Used to store **static files** such as CSS, JavaScript, images, etc., that don’t change and are needed in templates.

**📁 templates/**

Holds your **HTML templates** (e.g., home.html, dashboard.html). Django uses these to render views.

**📄 db.sqlite3**

This is your **SQLite database file**. Django uses this by default unless you configure another database in settings.py.

**Purpose of manage.py**

It acts as a **wrapper around django-admin**, setting the appropriate settings for your project so you don't need to specify them every time.

Migrate Default Migrations:

**🔧 What does "migrate" mean?**

In Django, **"migrate"** means:  
👉 *"Create the tables in the database so Django can store things like users, passwords, sessions, and more."*

**🏗️ What are default migrations?**

When you start a new Django project, Django comes with some built-in apps like:

* **Users and authentication** (login, logout)
* **Admin panel**
* **Sessions (to remember users)**
* **Permissions**

These apps need database tables, and **Django already has ready-made instructions (called "migrations")** to create those tables.

How to Migrate:

Open CMD in Destination Folder

Type: python manage.py migrate

Basically This Command used When User free Make a Superuser in Database

Create Superuser:

Open CMD in Destination Folder

Python manage.py createsuperuser

Username: ‘Type admin username’

Email Address: ‘xyz@gmail.com’

Password: 123\*\*\*\*

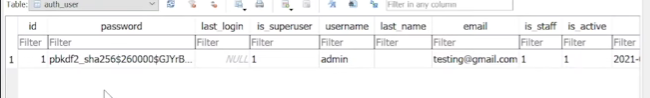
Passeord {again} : 123\*\*\*\*\*



Open Db Browser

Right click on User Table

Select Browse Table



Now Try to Login Django Admin Panel

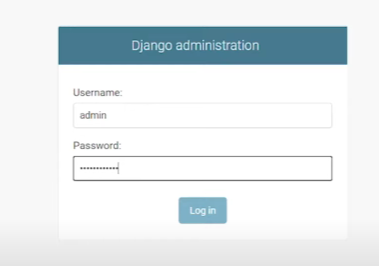
Open Browser

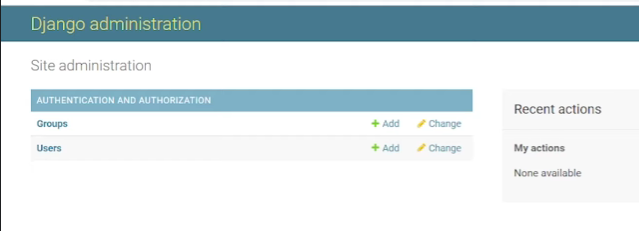
Type: localhost:8000/admin

Enter Details:

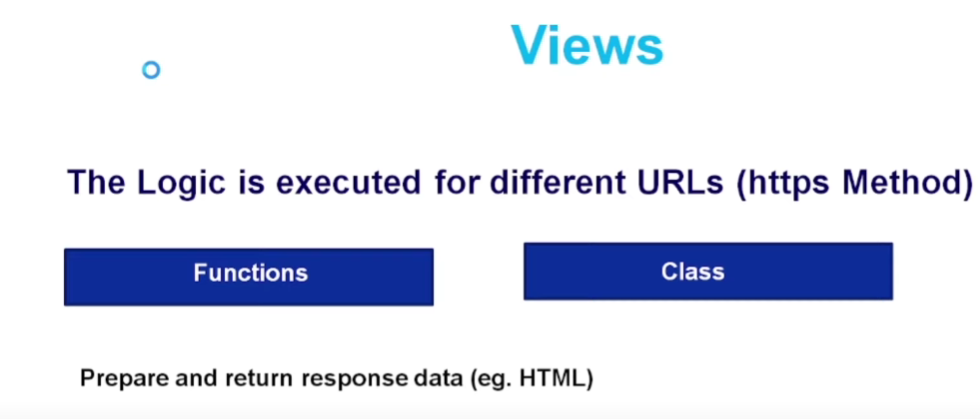
Username

Password



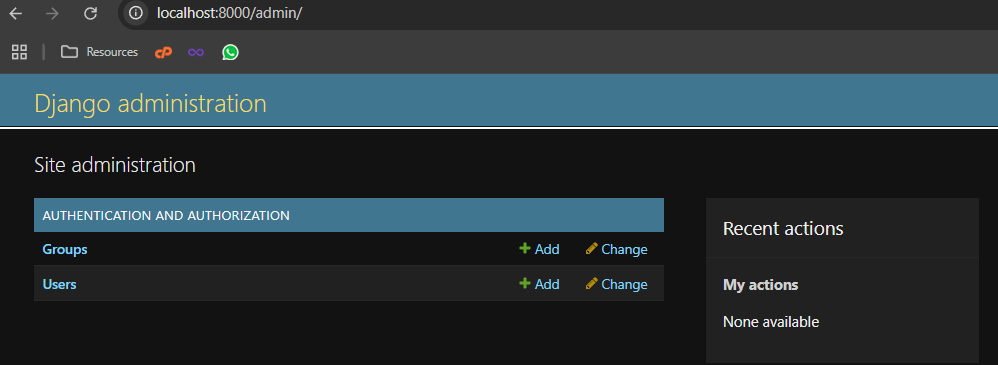


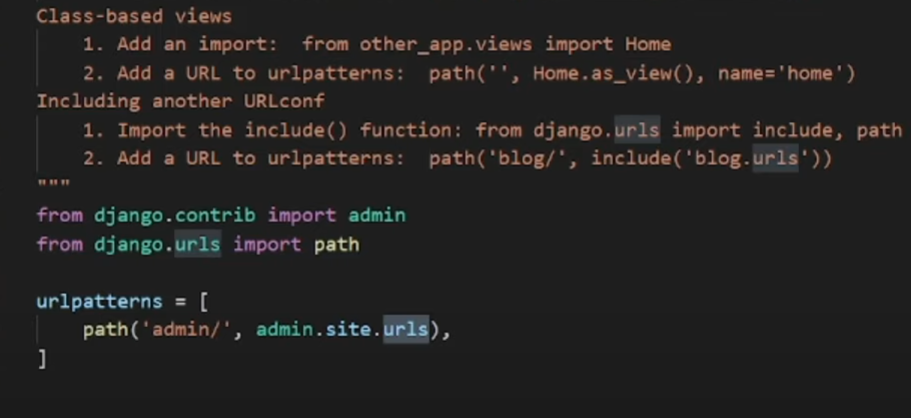
USE URL AND VIEWS:-



Open Views & URL’s

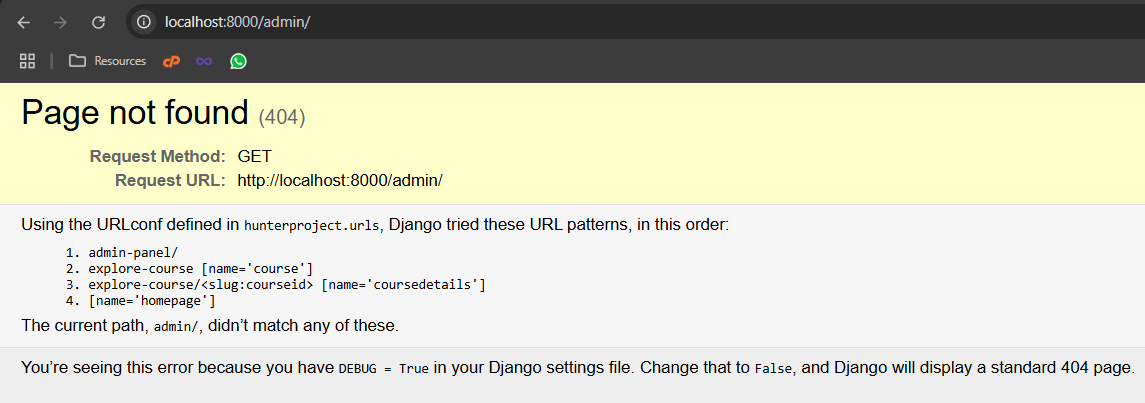
Open : Projetdirname >> ProjectdirName >> urls.py

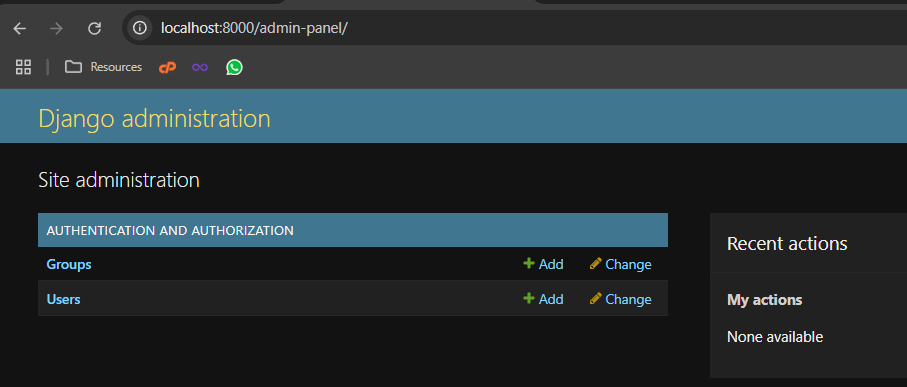
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What If I change it URL Name:







Create View Function and Custom URL:

Step 1: Create Views.py File

ProjectnameDir >> ProjectNameDir >> Create fiile name as views.py

Step 2: Enter Command and Save :

from Django.http import HttpResponse

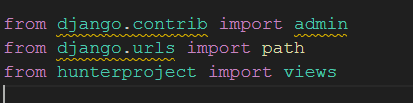
def aboutus(request):

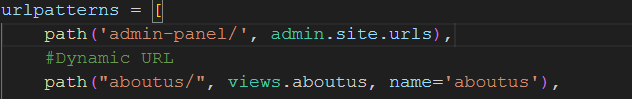
return HttpResponse(“Welcome to Django”)

Setup 3: Create Url for aboutus function:

Open projectnameDir >> ProjectnameDir >> urls.py

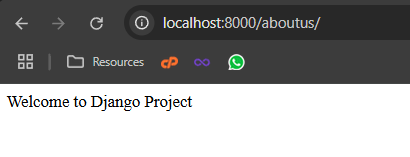
Type:





Now Open localhost in Browser

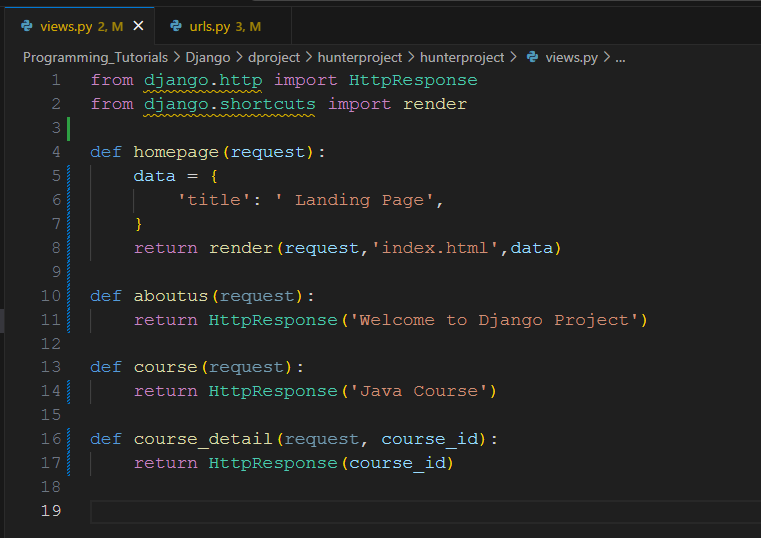
localhost:8000/aboutus

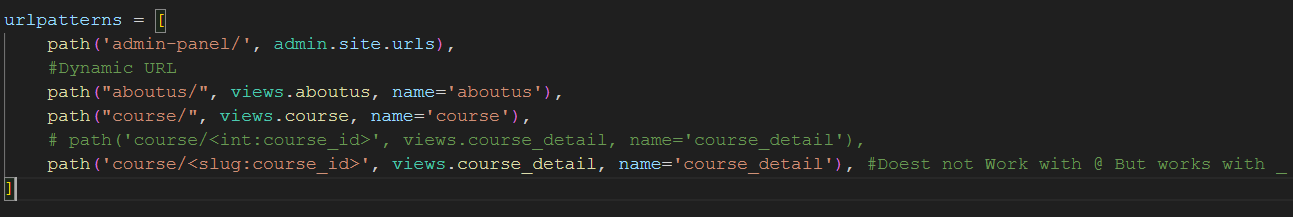


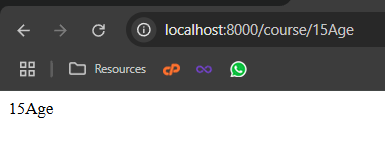
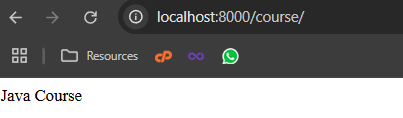
Create Dynamic Route’s

Routes have types:

1. Int
2. Str
3. Slug : hello – hunter – ftp







Pass Input Directly