Django Project Setup Guide

This guide walks you through creating a Django project and running a "Hello World" view from scratch.

**Step 1: Create Project Directory**

***mkdir my\_django\_project  
cd my\_django\_project***

**Step 2: Create and Activate Virtual Environment**

***# Linux/Mac:  
python -m venv env  
source env/bin/activate  
  
# Windows:  
python -m venv env  
env\Scripts\activate***

**Step 3: Install Django**

***pip install django***

**Step 4: Create Django Project**

***django-admin startproject mysite .***

**Step 5: Create a Django App**

***python manage.py startapp myapp***

**Step 6: Add App to Installed Apps**

***Edit mysite/settings.py and add 'myapp' to INSTALLED\_APPS.***

**Step 7: Create a Simple View**

***Edit myapp/views.py:  
  
from django.http import HttpResponse  
  
def hello\_world(request):  
    return HttpResponse("Hello, world! Welcome to Django.")***

**Step 8: Create App-Level URL Configuration**

***Create myapp/urls.py:  
  
from django.urls import path  
from . import views  
  
urlpatterns = [  
    path('', views.hello\_world, name='hello\_world'),  
]***

**Step 9: Connect App URLs to Project URLs**

***Edit mysite/urls.py:  
  
from django.contrib import admin  
from django.urls import path, include  
  
urlpatterns = [  
    path('admin/', admin.site.urls),  
    path('', include('myapp.urls')),  
]***

**Step 10: Run the Server**

***python manage.py runserver  
  
Visit http://127.0.0.1:8000 to see 'Hello, world!'***