**CREATING A DJANGO PROJECT:**

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| **S.No.** | **STEP** | **COMMAND** |
| 1. | Go to desired folder | *cd "C:\path\to\your\folder"* |
| 2. | Create virtual environment | *python -m venv myenv* |
| 3. | Activate venv (Windows) | *myenv\Scripts\activate* |
| 4 | Install Django | *pip install django* |
| 5. | Create Django project | *django-admin startproject mynewproject* |
| 6. | Run server | *python manage.py runserver* |

**CREATING AN APP:-**

1. Go to desired folder

*cd "C:\path\to\your\folder"*

1. Activate venv (Windows)

*myenv\Scripts\activate*

1. Create Django project

*django-admin startproject mynewproject*

1. Inside mynewproject/ create app

*cd mynewproject*

*python manage.py startapp mynewapp*

**\*Files in mynewapp:**

|  |  |
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| **File** | **Purpose** |
| *models.py* | Defines the database structure (tables & fields). |
| *views.py* | Handles logic for processing requests and responses. |
| *admin.py* | Customizes the Django admin panel. |
| *apps.py* | Registers the app inside Django. |
| *migrations/* | Stores database migration files. |
| *tests.py* | Used for writing test cases. |

5. Register app in mynewproject/settings.py in INSTALLED\_APP list.

6. Open myapp/views.py and create a function that returns an HTML response:

*from django.shortcuts import render*

*def home(request):*

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

7. Open myapp/ and create a urls.py file (if it doesn't exist):

*from django.urls import path*

*from . import views*

*urlpatterns = [*

*path('', views.home, name='home'), # Home page URL*

*]*

8. Include the app’s URLs in the project's myproject/urls.py:

*from django.contrib import admin*

*from django.urls import path, include*

*urlpatterns = [*

*path('admin/', admin.site.urls),*

*path('', include('myapp.urls')), # Include myapp's URLs*

*]*

9. Create an HTML template in templates/.

10. Run the Django server: python manage.py runserver.

**SUMMARY:**

1. Navigate to the desired folder – Move to the directory where you want to create the project.

2. Activate Virtual Environment – Activate venv for an isolated environment.

3. Create Django Project – Run django-admin startproject mynewproject.

4. Create Django App – Inside mynewproject/, create an app named mynewapp using startapp.

5. Register the App – Add 'mynewapp' to INSTALLED\_APPS in mynewproject/settings.py.

6. Create a View – In views.py, define a function to render an HTML template (home.html).

7. Set Up URLs in the App – Create urls.py in mynewapp/ and map it to the view.

8. Include App URLs in Project – Update mynewproject/urls.py to include the app’s URLs using include().

9. Create an HTML Template – Inside mynewapp/templates/, create home.html to display content.

10. Run the Server – Use python manage.py runserver to start the project.