

Django Project Workflow

1. Project Setup

- Install Django: pip install django
- Start Project: django-admin startproject myproject
- Start App: python manage.py startapp myapp
- Configure settings.py (apps, database, static, templates).

2. Models & Database

Define models in models.py, then run:

```
python manage.py makemigrations  
python manage.py migrate
```

3. Views & URLs

Create views in views.py, connect in urls.py using path().

4. Templates & Static Files

Store HTML in templates/, CSS/JS in static/. Use Django template engine.

5. Forms & User Input

Use Django Forms or ModelForms for input handling.

6. Authentication & Admin

Use built-in auth system, create superuser with:

```
python manage.py createsuperuser
```

7. Testing

Write tests in tests.py, run with: python manage.py test

8. Deployment

Use Gunicorn/Uvicorn + Nginx. Run collectstatic for assets.

Django Workflow Diagram

