

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

