

**A simple Django example to display Home, About, and Contact pages using templates.**

Note open your command prompts in windows and type following commands.

### **❓ Create Virtual Environment**

Go to your project folder (where you want env):

```
python -m venv env
```

### **Activate Virtual Environment**

**On Windows (CMD (command prompts)):**

```
env\Scripts\activate
```

### **Install Django Inside Env**

After activating:

```
pip install django
```

Check:

```
python -m django --version
```

### **Create a Django Project**

```
django-admin startproject myproject
```

Now go inside the project folder:

```
cd myproject
```

## Create an App

Inside the project folder (where manage.py is):

```
python manage.py startapp myapp
```

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## 1 Project Structure

```
myproject/
├── myapp/
│   ├── templates/
│   │   ├── base.html
│   │   ├── home.html
│   │   ├── about.html
│   │   └── contact.html
│   ├── views.py
│   └── urls.py
├── myproject/
│   └── urls.py
└── manage.py
```

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## 2 Settings Configuration

In settings.py, make sure templates are enabled:

Open settings.py and add 'myapp' inside INSTALLED\_APPS:

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',

    'myapp',      #  Add this
]
```

### 3 Views (`myapp/views.py`)

```
from django.shortcuts import render

def home(request):
    return render(request, 'home.html')

def about(request):
    return render(request, 'about.html')

def contact(request):
    return render(request, 'contact.html')
```

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### 4 App URLs (`myapp/urls.py`)

```
from django.urls import path
from . import views

urlpatterns = [
    path('', views.home, name='home'),
    path('about/', views.about, name='about'),
    path('contact/', views.contact, name='contact'),
]
```

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### 5 Project URLs (`myproject/urls.py`)

```
from django.contrib import admin
from django.urls import path, include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('myapp.urls')),
]
```

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### 6 Base Template (`templates/base.html`)

```
<!DOCTYPE html>
<html>
<head>
    <title>{% block title %}My Website{% endblock %}</title>
</head>
<body>
```

```
<nav>
  <a href="{% url 'home' %}">Home</a> |
  <a href="{% url 'about' %}">About</a> |
  <a href="{% url 'contact' %}">Contact</a>
</nav>

<hr>

{% block content %}
{% endblock %}

</body>
</html>
```

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## 7 Home Template (`templates/home.html`)

```
{% extends 'base.html' %}

{% block title %}Home{% endblock %}

{% block content %}
<h1>Welcome to Home Page</h1>
<p>This is the home page.</p>
{% endblock %}
```

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## 8 About Template (`templates/about.html`)

```
{% extends 'base.html' %}

{% block title %}About{% endblock %}

{% block content %}
<h1>About Us</h1>
<p>This is the about page.</p>
{% endblock %}
```

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## 9 Contact Template (`templates/contact.html`)

```
{% extends 'base.html' %}

{% block title %}Contact{% endblock %}

{% block content %}
<h1>Contact Us</h1>
<p>This is the contact page.</p>
{% endblock %}
```

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## ☐ Run the Server

### Important Tips

✓ Always activate env before running:

```
python manage.py runserver
```

Now visit:

- <http://127.0.0.1:8000/> → Home
- <http://127.0.0.1:8000/about/> → About
- <http://127.0.0.1:8000/contact/> → Contact