

Django Guide: Render HTML & Static Files

Prerequisites:

- Python and pip installed
- Django installed: pip install Django
- Django Project created

1. Create Django App

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

2. Register App in settings.py

```
# myproject/settings.py
INSTALLED_APPS = [
    ...
    'myapp',
]
```

3. Create URL Configuration for App

```
# Create myapp/urls.py

from django.urls import path
from . import views

urlpatterns = [
    path("", views.home, name='home'),
]
```

4. Add App URLs to 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')),
]
```

5. Create HTML Template

File: myapp/templates/home.html

Create a folder 'templates' inside myapp if not exists.

```
<!DOCTYPE html>
<html>
<head>
    <title>Django Page</title>
    <link rel="stylesheet" href="{% static 'styles.css' %}">
</head>
<body>
    <h1>Welcome to Django</h1>
    <p>This is a rendered HTML page with CSS.</p>
</body>
</html>
```

6. Create Static File

Create static directory and a CSS file

myapp/static/styles.css

```
/* styles.css */
```

```
body {
```

```
    background-color: #f2f2f2;
```

```
    font-family: Arial;
```

```
}
```

```
h1 {
```

```
    color: darkblue;
```

```
}
```

7. Load Static Files in Template

At the top of home.html, add:

```
{% load static %}
```

8. Define View to Render HTML

myapp/views.py

```
from django.shortcuts import render
```

```
def home(request):
```

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

9. Configure Static Files in settings.py

myproject/settings.py

STATIC_URL = '/static/'