

What is Template Inheritance in Django?

Template inheritance allows you to **reuse common HTML structure** across multiple pages. It helps keep your templates **clean and organized**.

Example of Template Inheritance

Step 1: Create a Base Template (base.html)

This file contains the **common layout** (header, footer).

```
<!DOCTYPE html>

<html>

<head>

    <title>{% block title %}My Website{% endblock %}</title>

</head>

<body>

    <header>

        <h1>Welcome to My Website</h1>

    </header>


    <div>

        {% block content %}{% endblock %} <!-- Child templates will replace this -->

    </div>


    <footer>

        <p>&copy; 2025 My Website</p>

    </footer>

</body>

</html>
```

Step 2: Extend the Base Template (home.html)

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

```
{% block title %}Home Page{% endblock %}
```

```
{% block content %}
```

```
<p>This is the home page content.</p>
```

```
{% endblock %}
```

👉 Now, `home.html` will use the **header and footer** from `base.html`, but insert its own **title** and **content**.

2. What is Template Reusability in Django?

Template reusability means using **common components** (like navbars, sidebars) in multiple templates to avoid repetition.

How to Include a Template using `{% include %}`?

Use `{% include "template_name.html" %}` to insert one template inside another.

Example: Create a Navbar (`navbar.html`)

```
<nav>

<ul>

<li><a href="/">Home</a></li>

<li><a href="/about/">About</a></li>

</ul>

</nav>
```

Include Navbar in `base.html`

```
<body>

{% include "navbar.html" %} <!-- Navbar will be inserted here -->

<div>

{% block content %}{% endblock %}

</div>

</body>
```

👉 Now, the navbar appears on **all pages** that extend `base.html`.

3. How to Display Images from the media Folder?

Step 1: Configure Media Settings in settings.py

```
import os

MEDIA_URL = '/media/'

MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
```

Step 2: Update urls.py to Serve Media Files

```
from django.conf import settings

from django.conf.urls.static import static

urlpatterns = [

    # Your other URL patterns

]

if settings.DEBUG: # Only in development

    urlpatterns += static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

Step 3: Store an Image in the media Folder

Example: media/profile_pics/user1.jpg

Step 4: Display the Image in a Template (profile.html)

```

```

👉 Django automatically fetches the image URL from MEDIA_URL.
