TRAINING DAY3 REPORT

26 JUNE 2025

What is the templates Folder in Django?

The templates folder in Django is used to store **HTML files** that define how your web pages should look when sent to the user's browser.

Purpose of the Templates Folder:

- Contains **presentation layer** (UI)

- Works with **Django's Template Language (DTL)** to insert dynamic content (like usernames, data from the database, etc.)

Types of Templates Folders:

1. Global templates/ folder (outside any app)

Location:

```
myproject/
├── templates/
│       └── base.html
│
```

When to Use:

- For **shared templates** like base.html, navbar.html, or a **global layout**

- Useful in **multi-app projects** for consistent structure

- Prefer this when **templates are reused across apps**

Configuration in settings.py:

Make sure it's added in 'DIRS':

```
TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [BASE_DIR / 'templates'],
        'APP_DIRS': True,
        'OPTIONS': {
```

2. App-level templates/ folder (inside an app)

Location:

myapp/

├── templates/

│   └── myapp/

│   └── home.html

Use myapp/ subfolder to **avoid conflicts** across apps.

When to Use:

- For templates that are **specific to one app only**

- Keeps app **modular and reusable**

- Useful when creating pluggable apps

Note:

- No need to configure settings.py for this.

- Django automatically looks inside every app/templates/ folder of registered apps.
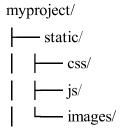
What is static folder in Django?

The static folder is used to store **static files** like:

- CSS (stylesheets)

- JavaScript (scripts)

- Images (logos, banners)
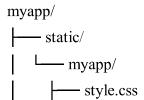
- Fonts or icons

Types of Static Folders

1. Global static/ Folder (outside apps)

```
myproject/
├── static/
│   ├── css/
│   ├── js/
│   └── images/
```

Used for:

- Common stylesheets, JS, images

- Accessible across the entire project

2. App-level static/ Folder (inside each app)

```
myapp/
├── static/
│   └── myapp/
│       ├── style.css
```

Used for:

- App-specific static files

- Helps in making the app modular

Configuration in settings.py

```
STATIC_URL = 'static/'

STATICFILES_DIRS = [
    BASE_DIR / 'static',
]
```

How to Use in Templates

Load static files in your HTML using Django's {% static %} tag:

```
{% load static %}

<link rel="stylesheet" href="{% static 'css/style.css' %}">
<img src="{% static 'images/logo.png' %}" alt="logo">
```

Collecting Static Files for Deployment

Before deploying your app, run:

        python manage.py collectstatic

This gathers all static files (from global and app-level) into a single directory for production use.