

PYTHON FOR WEB

DJANGO EXPLAINED

Intro to Django Template Language

problem solution approach



Presented
By



WHAT IS IT?

A template is a text file. It can generate any text-based format (HTML, XML, CSV, etc.).

A template contains

- **Variables**, which gets replaced with values when the template is evaluated
- **Filters** are applied on variables like functions with "|" & can be chained
- **Tags**, which control the logic of the template.

Examples:

variables:

`{{name}}`

`{{list_num[0]}}`

`{{dict.data}}`

filters:

`{{name|upper}}`

`{{list_num|length}}`

`{{dict.data|subtract:"2"}}`

tags:

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

`{% load static %}`

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

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

MOST USED FILTERS & TAGS

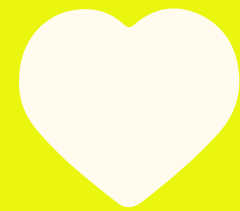
Filters:

- `{{data|safe}}` : Escapes the html tags
- `{{data|length}}` : Return length of data
- `{{data|truncatewords:10}}` : Truncate data to 10 words
- `{{data|wordwrap:"5"}}`: wraps after 5 chars
- `{{data|cut:" "}}` : Removes " " from data
- `{{data|date:"D M Y"}}` : Formats the date
- `{{data|first}}` : Returns first list item
- `{{data|slice:"0:2"}}`: Slices the data list
- `{{data|join:"//"}}`: Joins the list element
- `{{data|slugify}}`: Converts data to slug

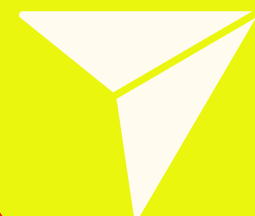
Tags:

- `{% csrf_token %}` : Used under form post method
- `{% extends 'base.html' %}`: Extends "base" template
- `{% load static %}` : To link to static files that are saved in STATIC_ROOT Django ships with a static template tag.
- `{% load custom_tags %}` : Loads custom tag sets from templatetags folder inside app
- `{% Include 'new_temp.html' %}` : Include new template with in current templates
- `{% for x in xl " %}{{xl.name}}{% endfor %}`: Iterates over xl list
- `{% url 'some-url-name' arg1=v1 %}` : Returns fully formed url with optional arg1 space separated

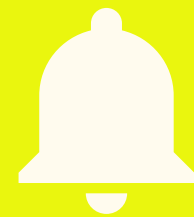
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