# Django Template Language: The Need

# Django Template Language: The Need

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{LP} Learn Programming

## What are we using currently?

HttpResponse("<h1>Hello world</h1>")



#### Important points to keep in mind

- ➤ Django's approach to building web applications was to keep design separate from the logic. Logic here is the actualy business logic that is written in python.
- >Web designers don't need to learn a new language to be able to work on Django related projects.

#### Behind the scenes and best practices

\authentication \templates base.html

\store \templates base.html



## Recommended way

/templates/<app-name> folder

# Behind the scenes and best practices

```
\authentication
\templates
\authentication
base.html
\store
\templates
\store
base.html
```

# Namespacing



#### render() function

# render() function



#### **Syntax**

render(<request-object>, <template>, <context>)

## What are tags?

# What are tags?



### What are tags?

• A tag is a piece of code in django template language.

Syntax → {% %}



## Logic that can be defined using template tags

> Conditional logic: if...else statements

➤ Loops: for loop

> Specifying imports: import tag

> Performing inheritance: extends tag

> Declaring blocks: block tag



#### If...else statements

# If...else statements



#### Syntax:

```
{% if condition %}
# render if body
{% endif %}
```

# For loops

# For loops



#### **Syntax**

```
{% for odd in odds %}
# logic here
{% endfor %}
```

#### Writing comments in templates

# Comments in templates



#### **Syntax**

```
{% comment %}
Comment here
```

{% endcomment %}

#### Behind the scenes of rendering templates

PYTHON DJANGO 4 MASTERCLASS Section Summary



#### Namespacing

- ✓ jobapp
  ✓ app
  → \_\_pycache\_\_
  → migrations
  ✓ templates / app
  ↔ hello.html
  ↔ index.html
  ↔ job\_detail.html
- It's not recommended to store your templates directly in /templates folder
- ➤ But instead its recommended to store them in /templates/<appname> folder



#### Variables



#### render() function

#### Tags

- Conditional logic: if...else statements
- ➤ Loops: for loop



#### **Filters**

```
<h1>Filters</h1>
{{first_list|length}}
{{first_list|length_is:"3"}}
```



#### Comments

```
{% comment "first_test_comment" %}
This is learning material
{% endcomment %}
```

# **URL** tag

