

Template systems in django

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Introduction

This document contains research on templates in Django. It includes key topics such as what templates are, what they are used for, the syntax they use, and an example of their use. All this with some images to make it easier to understand. The main goal is to provide a complete understanding of how they are used. Templates in Django in the development of dynamic web applications.

What are templates

Template. A template is a text file that determines the structure or layout of a file (such as an HTML page), with placeholders used to represent the actual content. Django will automatically look for templates in a directory called 'templates' in your application. [1]



What are they used for

Templates are used to separate presentation logic from application logic in a web application. This makes it easier to create dynamic web pages and maintain code by allowing developers to work more efficiently on the layout and structure of pages without having to worry about generating dynamic content.. [1]

Template syntax:

Django uses a specific syntax in its templates that includes tags delimited by double braces `{% %}` and variables enclosed in single braces `{{ }}`. Some examples of tags include for, if, block, extends, among others. [2]

Syntax function

`{% for %}`: Used to iterate over a list of data.

`{% if %}`: Used to check a condition.

`{% else %}`: Used to provide an alternative if the condition is not met.

`{% endif %}`: Used to close a conditional code block [2]

Examples of use:

Templates are used everywhere in a Django web application, from rendering forms and detailed views of objects to creating home pages and listings. They can also be used to generate emails, PDF documents and other output formats.

Conclusion

From my point of view, after researching, I came to the conclusion that Django templates are an essential tool for creating dynamic and attractive web applications. They facilitate collaboration between designers and developers and allow the creation of dynamic web pages with ease, which is essential in the development of modern web applications.

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