TEMPLATE SYSTEMS IN DJANGO

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Introduction

In this document we are going to see the use of templates in Django. Its content addresses essential aspects such as the definition of templates, their practical applications, the syntactic structure they use and an illustrative example is provided. The document is enriched with images to facilitate understanding.

What are templates?

A template is a text file that establishes the organization or appearance of another document, such as an HTML page, using placeholders to represent the content present. Django will automatically search for templates in a folder called 'templates' within its application. [1].

What are they used for?

Templates in Django are used to separate presentation logic from application logic. This makes it easier to create dynamic web pages and manage code, as developers can focus on the design and structure of the pages, while dynamic content is generated automatically. In simpler terms, templates in Django are a way to separate the code that is responsible for displaying application information from the code that is responsible for processing the information. This makes the code easier to understand and maintain, since each part of the code has a clear responsibility. [1]

Template syntax and syntax function

The template syntax in Django is characterized by the use of tags delimited by double braces {% %} and variables enclosed in single braces {{ }}. Among the tags, for, if, block, extends, among others, stand out. For example, {% for %} is used to loop through a list of data, {% if %} to check conditions, {% else %} to provide an alternative if the condition is not met, and {% endif %} to end a conditional code block. [2]

Conclusion

In my opinion, after extensive research, I have come to the conclusion that Django templates represent an essential tool for creating dynamic and visually appealing web applications. These templates encourage effective collaboration between designers and developers, enabling the easy construction of dynamic web pages, which is essential in the development of contemporary web applications.

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