

# MANAGERS IN DJANGO

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## Introduction

In this document we are going to see an investigation on the use of managers in Django, a topic for the development of web applications. First, we start with what they are, how they are used, their essential characteristics and a specific example of type of manager.

## What are Managers?

In Django, an administrator is a kind of assistant that helps you do queries and operations on the database in relation to a specific model. Every model in Django has at least one default manager called "objects", which makes working with the database easier. [1]

## Creating a Custom Manager

To design a custom manager, you need to create a class that inherits from models. Manager and add custom functions to carry out the desired tasks. Next, assign this class as an attribute in your model. [1]

## Custom managers

Are managers that you can define yourself in your models to add specific functionalities to database administration. Although every model in Django already has at least one default handler called "objects", you have the ability to create your own custom handlers to perform custom queries, apply specific filters, or perform other operations on the database according to your application needs. [1]

## What are they used for? [2]

Custom managers in Django play a crucial role in allowing queries to be performed on the database to retrieve records that meet certain criteria, creation of new records, updating of existing records, deletion of records from the database and the execution of data aggregation and analysis operations

## Features of managers in Django [2]

They cover providing predefined functions like 'filter()', 'get()', 'create()', 'all' and others to manage the database. If necessary, you can customize specific managers for your models, allowing you to add custom features. Additionally, administrators simplify the execution of complicated database queries by concatenating methods, making it easy to create complex SQL queries without having to write SQL directly.

## Conclusion

I came to the conclusion that Django administrators are a tool that makes working with databases easier. These managers provide a simple and efficient interface to perform tasks such as searching, inserting, updating, and deleting records in the database. Additionally, custom managers allow you to tailor the functionality of your models to the specific needs of your application, improving code readability and maintainability.

## BIBLIOGRAFIAS

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