

Outlines

- 💡 What is Django
- 💡 Why we need to learn Django?
- 💡 Unique Features of Django
- 💡 How does Django work

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What is Django?

Django is a web application framework written in Python programming language. It is based on MVT (Model View Template) design pattern.

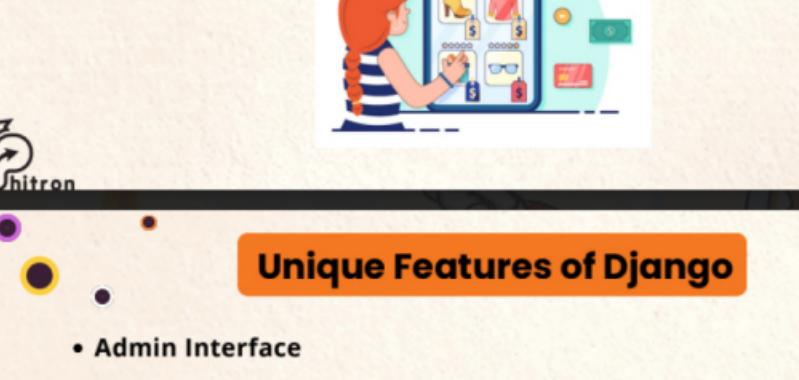
It is also called **batteries included framework** because Django provides built-in features for everything

Why Django Framework ?

- Excellent documentation and high scalability.
- Used by Top MNCs and Companies, such as **Instagram, Spotify, Youtube, Bitbucket, Dropbox**, etc. and the list is never-ending.
- Easiest Framework to learn, rapid development and Batteries fully included.
- One can integrate it **Machine Learning, Image Processing, Scientific Computing**, etc with web application and do lots and lots of advance stuff.

How does Django Work?

The MVT is an design pattern that separates an application into three main logical components Model, View, and Template.

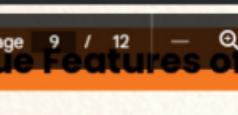


MVT

Model

The data we want to present, usually data from a database.

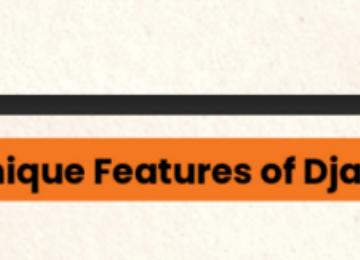
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MVT

View

A request handler that returns the relevant template and content - based on the request from the user.



Unique Features of Django

- Admin Interface

Django administration

Site administration

AUTHENTICATION AND AUTHORIZATION

- Groups
- Users

BLOG SITE

- Comments
- Posts

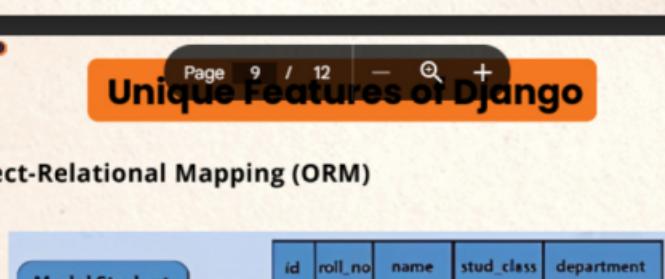
Recent actions

My actions

None available

Unique Features of Django

- Object-Relational Mapping (ORM)



Unique Features of Django

- URL Routing
- Template System
- Form Handling
- Security Features
- Scalability