

Full stack web development using python

Django Introduction



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Agenda

- ① Framework
- ② Library vs Framework
- ③ Software framework
- ④ Django
- ⑤ Django based applications
- ⑥ History
- ⑦ Features

Framework

Framework is a structure intended to serve as a guide for building application that expands the structure into something useful.

Library vs framework

Library is a predefined code you use to build an application.

Framework is an application uses your code

Software framework

Software framework is an abstraction in which software provide generic functionality , can be selectively changed by additional user written code .

Django

Django is a Python based free and open source web framework, which follows the model-view-template architectural pattern.

It is maintained by Django software foundation.

Django's primary goal is to
ease the creation of
complex, database driven websites

Django based Applications

Youtube

Dropbox

Mozilla

Spotify

Instagram

... many
more

History

Developed Django in 2003

By Adrian Holovaty, Simon Willison

Internal project at Lawrence Journal World News paper

The framework was named
after the guitarist Django
Jean Reinhardt



Django was his nickname

In 2008, Django software foundation was established to maintain Django Project.

Features of Django

Fast Development

Provides web server for development & testing

Scalability

loaded with apps

Secure