

What is django framework?

Introduction

- Django is a Python-based free and open-source web framework, which follows the model-view-template architectural pattern
- It is maintained by the Django Software Foundation. Django's primary goal is to ease the creation of complex, database-driven websites
- It is developed in Python
- Complete Django documentation is available at [Djangoproject.com](https://docs.djangoproject.com/)
- Current version is 2.2

Key Features

- Testing and development: a lightweight and standalone web server for development and testing
- Fast : Django was designed to help developers take applications from concept to completion as quickly as possible.
- Fully Loaded: Django includes dozens of extras you can use to handle common Web development tasks. Django takes care of user authentication, content administration, site maps, RSS feeds, and many more tasks — right out of the box
- Security: Django takes security seriously and helps developers avoid many common security mistakes, such as SQL injection, cross-site scripting, cross-site request forgery and clickjacking. Its user authentication system provides a secure way to manage user accounts and passwords
- Scalable: Some of the busiest sites on the planet use Django's ability to quickly and flexibly scale to meet the heaviest traffic demands.
- Versatile: Companies, organizations and governments have used Django to build all sorts of things — from content management systems to social networks to scientific computing platforms.

Popular Django Applications

- YouTube
- Instagram

- Dropbox
- Mozilla
- Spotify
- Google
- Yahoo Maps

History

Django was created in the fall of 2003, when the web programmers at the Lawrence Journal-World newspaper, Adrian Holovaty and Simon Willison, began using Python to build applications. It was released publicly under a BSD license in July 2005. The framework was named after guitarist Django Reinhardt.

In June 2008, it was announced that a newly formed Django Software Foundation (DSF) would maintain Django in the future.