**How to develop web application using python?**

WSGI is an API given by python for developing,

1. WSGI Servers
2. WSGI Applications (Web Applications)

**Web Application framework**

1. Django
2. Flask
3. Pyramid
4. Web2py
5. FASTAPI

**What is framework?**

A framework is software bundle, which provides development environment and execution environment.

A framework is collection of libraries and tools

Libraries are used for developing web applications and tools are used managing developed web application.

A library is collection of programs with predefined functionality.

Library provides only development environment.

**What is Django?**

Django is web application framework written in python language.

Django is framework used by web developers for developing web application.

Django web framework is written in python language by following the rules given by python (WSGI).

Django History

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==> Created in 2003 by Adrian Holovaty and Simon Willison.

==> Developed at the Lawrence Journal-World newspaper in Lawrence, Kansas.

==> Built to manage news-oriented websites quickly and efficiently.

==> Named after Django Reinhardt, a famous gypsy jazz guitarist.

==> The creators were fans of his music.

==> Released to the public in July 2005

==> Actively maintained by the Django Software Foundation (DSF).

==> Large and active community with thousands of contributors.

==> Used by companies like Instagram, Pinterest, Mozilla, and Disqus.

==> Current Version of Django is 5.x

=======================================================Django Features

=======================================================1. MVC Pattern (MVT in Django)

2. Built-in Admin Interface

3. ORM (Object-Relational Mapper)

4. Security

5. Scalability

6. Rapid Development

7. Versatile Templating Engine

8. Form Handling

9. URL Routing System

10. Authentication and Authorization

11. Middleware Support

12. Internationalization (i18n)

13. Reusable Apps

14. Development Tools

15. Extensive Documentation

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1. MVC Pattern (MVT in Django)

Django follows the Model-View-Template (MVT) pattern.

Separates business logic (Model), user interface (Template), and control flow (View).