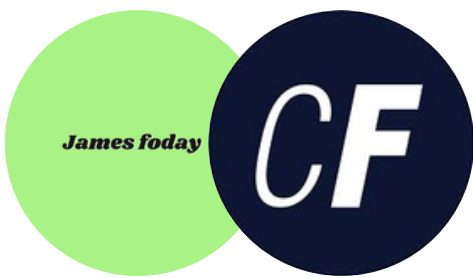


JAMES FODAY



REFLECTION QUESTION

1. Advantages and Drawbacks of Using Plain Python vs Django Framework

Plain Python (Vanilla):

- **Advantages:** Simple and lightweight for small scripts or basic automation; gives full control over code without additional abstractions.
- **Drawbacks:** Requires more work for common web development tasks like database management, routing, user authentication; slower development time for complex applications.

Django Framework:

- **Advantages:** Provides a full-stack framework with built-in features like ORM, admin panel, authentication, and templating, which speeds up development; follows best practices and has strong community support.
- **Drawbacks:** Has a steep learning curve for beginners; the rigid “Django way” can limit flexibility; might be heavier than needed for simple applications.

2. Most Significant Advantage of MVT over MVC

The most significant advantage of Model View Template (MVT) architecture over Model View Controller (MVC) is that MVT abstracts away the controller component by integrating it into the template and view layers, reducing the need for developers to write explicit controller logic. This leads to faster development and less boilerplate code, as Django handles much of the control flow automatically, allowing developers to focus on defining the data models and the presentation logic.

3. Three Personal Goals for Learning Django in This Achievement

- **What I want to learn about Django:**
I want to understand Django’s MVT architecture deeply and learn how to efficiently create and manage web applications using its ORM, routing, and templating systems.
- **What I want to get out of this Achievement:**
I aim to be able to build a fully functional, database-driven web application from scratch with Django, including user authentication and admin management.
- **Where or what I see myself working on after completing this Achievement:**
After this, I see myself working on full-stack web development projects using Django, contributing to professional projects or building my own web applications with scalable backend and clean frontend.