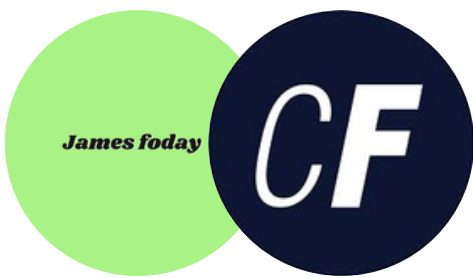


JAMES FODAY



REFLECTION QUESTION

1. Why is Django so popular among web developers?

Django is popular because it is a high-level Python web framework that encourages rapid development and clean, pragmatic design. It comes with many built-in features like an admin panel, authentication, and ORM, which help developers build secure, scalable, and maintainable web applications quickly. Additionally, Django's adherence to the "batteries-included" philosophy makes it easy for developers to focus on writing their application logic instead of reinventing common web functionalities.

2. Five Large Companies Using Django and Their Use Cases

| Company | Product/Service | Use of Django |
|-----------|-----------------------------------|--|
| Instagram | Social media platform | Web backend, API services |
| Pinterest | Visual discovery and bookmarking | Scalable backend services |
| Disqus | Blog comment hosting service | Web application framework and APIs |
| Mozilla | Web browser and internet services | Backend services and web apps |
| Spotify | Music streaming service | Backend data processing and web services |

3. Should you use Django in these scenarios?

3. Should you use Django in these scenarios?

| Scenario | Use Django? | Why or Why Not? |
|---|-------------|---|
| Develop a web application with multiple users | Yes | Django's built-in user authentication and session management make it ideal for multi-user apps. |
| Need fast deployment and ability to make changes on the fly | Yes | Django's modular design and "batteries-included" features speed up development and iteration. |
| Build a basic app with no database or file operations | No | Django is heavyweight for simple static apps without backend requirements; a lightweight framework is better. |
| Build an app from scratch wanting full control over internals | No | Django enforces a certain structure ("the Django way"), which may limit fine-grained control. |
| Starting a big project and want lots of community support | Yes | Django has a large, active community and extensive documentation, ideal for complex projects. |

New virtual Environment Install

```
jamesfoday@jameess-imac python % python3 --version
Python 3.13.5
jamesfoday@jameess-imac python % python3 -m venv achievement2-practice
```

```
jamesfoday@jameess-imac python % source achievement2-practice/bin/activate
(achievement2-practice) jamesfoday@jameess-imac python % pip install django

Collecting django
  Using cached django-5.2.4-py3-none-any.whl.metadata (4.1 kB)
Collecting asgiref>=3.8.1 (from django)
  Using cached asgiref-3.9.1-py3-none-any.whl.metadata (9.3 kB)
Collecting sqlparse>=0.3.1 (from django)
  Using cached sqlparse-0.5.3-py3-none-any.whl.metadata (3.9 kB)
Using cached django-5.2.4-py3-none-any.whl (8.3 MB)
Using cached asgiref-3.9.1-py3-none-any.whl (23 kB)
Using cached sqlparse-0.5.3-py3-none-any.whl (44 kB)
Installing collected packages: sqlparse, asgiref, django
Successfully installed asgiref-3.9.1 django-5.2.4 sqlparse-0.5.3

[notice] A new release of pip is available: 25.1.1 -> 25.2
[notice] To update, run: pip install --upgrade pip
(achievement2-practice) jamesfoday@jameess-imac python % django-admin --version

5.2.4
(achievement2-practice) jamesfoday@jameess-imac python % □
```