

1. Write two to three sentences on why Django is so popular among web developers.

Django's popularity among web developers stems from its robust and well-structured framework that simplifies complex web development tasks. It offers features like an ORM for efficient database handling, built-in security measures, and a comprehensive admin interface. Additionally, Django's emphasis on DRY (Don't Repeat Yourself) coding principles and extensive documentation make it an accessible choice for creating scalable and maintainable web applications.

2. After some research, list five large companies that use Django. Specify what the company's product or service is and what they use Django for.

- Instagram
- Pinterest
- Dropbox
- Eventbrite
- Coursera

• For each of the following scenarios, explain if you would use Django (and why or why not):

- You need to develop a web application with multiple users.

A: Use Django: Django includes built-in user authentication and management features, making it a great choice for applications with multiple users. It simplifies user account handling and security.

- You need fast deployment and the ability to make changes as you proceed.

A: Use Django: Django's robust framework and extensive libraries allow for rapid development. Its "batteries-included" philosophy enables quick prototyping and easy adaptability as your project evolves.

- You need to build a very basic application, which doesn't require any database access or file operations.

A: Consider Other Options: Django may be overkill for a basic application without database or file operations. Lightweight frameworks or microservices could be more suitable for such scenarios to minimize unnecessary complexity.

- You want to build an application from scratch and want a lot of control over how it works.

A: Consider Django: Django provides a lot of control and flexibility, but it comes with some built-in conventions. If you want complete freedom, you might consider a more minimalistic framework or even building from scratch.

- You're about to start working on a big project and are afraid of getting stuck and needing additional support.

A: Use Django: Django has a strong and supportive community, extensive documentation, and many third-party packages. This ecosystem can provide substantial support and resources for tackling complex, large-scale projects and addressing potential challenges.