

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

Django has rapid development capabilities, security features, and scalability. It has proven its ability to handle high-traffic websites and complex applications. More modern and easy to use with large groups.

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

Uses Django to manage and process the large amounts of data and audience activity on the platform

Pinterest

Uses Django to manage followers, pages, pins, and articles while handling thousands of users simultaneously

NASA

Uses Django to build a secure website that can handle about a million daily users

YouTube

Uses Django to help the development team operate quickly and flawlessly as the audience grows

Spotify

Uses Django because of its speed, community, machine learning, and AI options

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.

-Yes, because it can handle multiple users and sessions at the same time and use its built-in authentication and authorization

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

-Yes, it can handle fast paced development and allows making changes quickly

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

-Seems a bit overkill when the whole premise of Django is to have a bunch of built in features that are useful for database access and file operations

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

-Depends on how much control you want. You can definitely make something from scratch as long as you follow the Django rules and structures

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

-Django has a large and active community, so it would be feasible to reach out to other devs when you need help with something in a project. Using stack overflow to ask questions to the dev community will help.