



EXERCISE 2.1

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

- Django is so popular among web developers for a number of reasons. It's a "batteries included" framework that helps rapid development with reusable components for quick and easy to build web applications. It also spotlights on security, scalability, and maintainability that does not rely on many external libraries.

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 - Social media platform that uses Django for handling massive volume of user data, authentication, and scaling services.
- Spotify - Music listening platform that uses Django for managing their backend infrastructure to handle complex user data, real-time analytics and recommendations.
- YouTube - Video content platform that uses Django for large scale video content and associated data to ensure efficient performance and scalability.
- Pinterest - A visual discovery engine that uses Django for rapid deployment and scalability.
- Dropbox - Cloud base storage that uses Django for managing could storage and file synchronization services.

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. As Django provides a robust user authentication system.
- You need fast deployment and the ability to make changes as you proceed.
 - Yes. With Django's "batteries included" for rapid deployment and easy iteration with build-in features.
- You need to build a very basic application, which doesn't require any database access or file operations.
 - No. As Django might be overkill and slow down application with its heavy framework.
- You want to build an application from scratch and want a lot of control over how it works.
 - No. As Django may limit a lot of customizations wanted.
- You're about to start working on a big project and are afraid of getting stuck and needing additional support.
 - Yes. As Django has a large active community with excellent documentation.