

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

Django is popular because it comes with useful tools pre-installed that save developers lots of time, and are suitable for large projects. It also offers support for large CDNs and an interface to manage it, and is a good framework to use for a scalable application.

**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.**

**Spotify** - Spotify is a music/podcast app that is very popular because of the amount of content on it as well as customized music recommendations. Django is useful for both because of the large amount of files to handle and data analysis.

**Robinhood** - Robinhood is a financial service that people mainly use for ETF, stock, and crypto trading. Django's security features and scalability make it beneficial for this app.

**Reddit** - Reddit is the self proclaimed "front page of the Internet" and consists mostly of user generated content and user created communities. Django's CDN support and scalability are useful here.

**Youtube** - Youtube is also a website of mostly user generated content, including livestream and superchat features. Django's fast processing for content delivery and network transmission allows for many people to stream video at the same time.

**NASA** - NASA relies on secure information from many different sources. Django is useful to them because of its security and fast development, so if they run into a serious problem it can be fixed more easily and avoid very bad situations.

**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.**

I would use Django because I can always scale the app up in the future to accomodate more users with differing needs.

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

I would use Django because it is made with scalability in mind, and doesn't require me to modify or rewrite the rest of my app to fit in a new feature.

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

I would not use Django because the amount of required tools and features that come with it are

just too unnecessary and resource intensive, and because it doesn't need database access.

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

I would not use Django because there would be no way to pick and choose which features I write from scratch, and the pre-installed features can't be modified.

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

I would use Django because of the size of the project and for the large developer community I can seek help from.