CF Python Web Dev: 2.1 Q & A

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

Django is popular because it allows for fast development, secure deployment, and is scalable. It uses MVT architecture which means there’s no need to mess with “controller” coding, the template creates the controller output. As a framework, most of the boilerplate comes included.

1. **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 that shares photos and videos. Django handles the huge scale databases and CDN.
   * National Geographic: Magazine articles and educational pics/videos. They utilyze Django’s Content Management System (CMS).
   * Mozilla: Creators of Firefox. Django helps handle large amounts of traffic and API requests.
   * Spotify: Audio streaming. Python is used with Spotify’s backend. Django plugs right in with their Python codebase for code management utility.
   * Pinterest: Social media sharing pictures and videos. Pinterest modifies Django’s open-source framework to improve on user-interface.

Reference: <https://www.trio.dev/blog/django-applications>

1. **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! Django works well with databases and is secure.

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

Yes! Django is desirable for its ability for fast development and is scalable.

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

No way. For a simple app that doesn’t use a database use a smaller faster framework or library.

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

No. The lesson kept mentioning that when you use Django you’ve got to do things the Django way. Meaning, workflows and file structure must conform to Django’s requirements.

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

Sure! Django is very popular and there is much documentation and learning material out there to reference. Also, Django is scalable meaning it would suit a big project well.