

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

Django uses the DRY philosophy which keeps things very simple for this framework and prevents the need to write repetitive code. Another reason why Django is so popular is that it has built in security, like auto encrypting. The framework is open source so it is well documented and easy to find help and solution for problems when developing products.

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: is a large social media site that uses Django for premium functionality

Spotify: Uses machine learning and Django offers all the necessary tools

Dropbox: is a cloud based technology and uses Django for its security

Youtube: use to be a PHP based but switched to Django for its performance with video hosting

Pinterest: uses Django for the same reasons spotify and instagram use it. High volume of images and the use of machine learning.

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

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

Not necessarily. Other frameworks provide just as good performance with applications with multiple users.

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

Django would be good here because it's fast and can make prototypes quickly.

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

Django would not be a good fit for a small application especially one without a database because of how Django uses MVT.

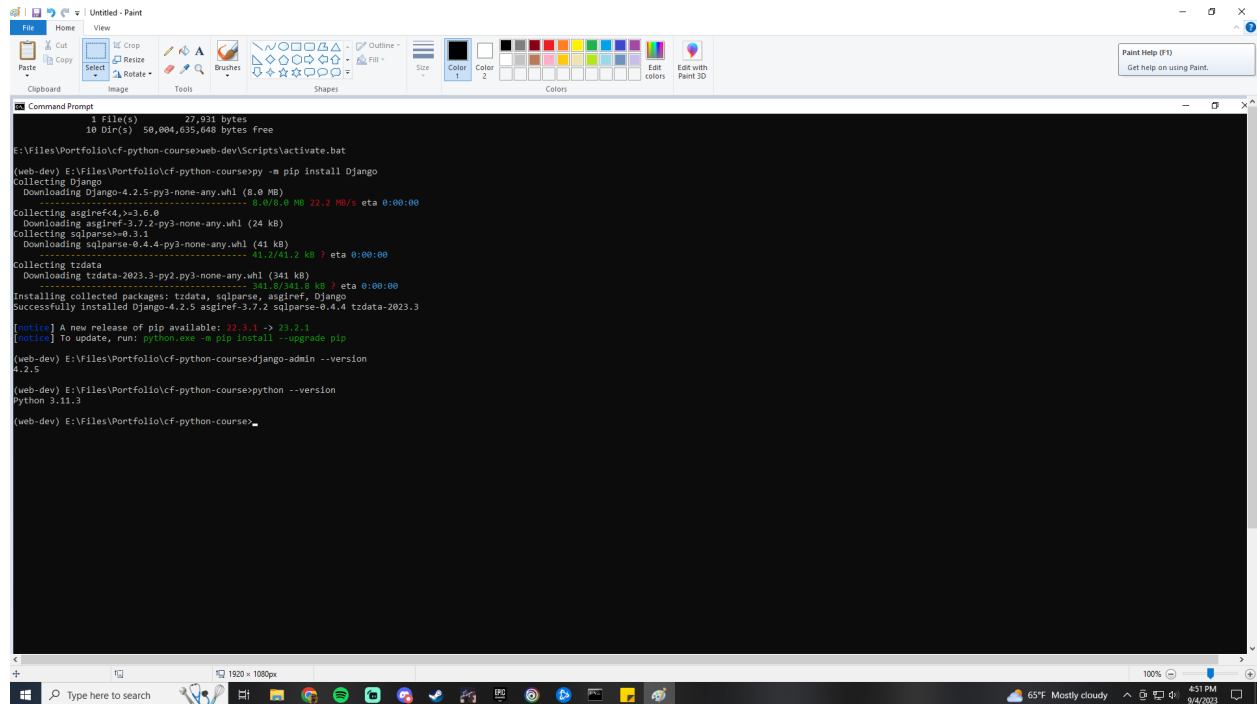
- d. You want to build an application from scratch and want a lot of control over how it works.

I would not use Django for a custom project that would require a lot of control.

Django as a framework is very strict.

- e. 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 it is open source and it is easy to find help.



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1 File(s) 27,931 bytes
10 Dir(s) 50,004,635,640 bytes free

E:\Files\Portfolio\cf-python-course\web-dev\Scripts\activate.bat
(web-dev) E:\Files\Portfolio\cf-python-course>py -m pip install Django
Collecting Django
  Downloading Django-4.2.5-py3-none-any.whl (8.0 MB)
    ----- 8.0/8.0 MB 22.2 MB/s eta 0:00:00
Collecting asgiref<4.0,>=3.6.0
  Downloading asgiref-3.7.2-py3-none-any.whl (24 kB)
Collecting sqlparse==0.3.1
  Downloading sqlparse-0.4.4-py3-none-any.whl (41 kB)
    ----- 41.2/41.2 kB ? eta 0:00:00
Collecting tzdata
  Downloading tzdata-2023.3-py2.py3-none-any.whl (341 kB)
    ----- 341.0/341.0 kB ? eta 0:00:00
Installing collected packages: tzdata, sqlparse, asgiref, Django
Successfully installed Django-4.2.5 asgiref-3.7.2 sqlparse-0.4.4 tzdata-2023.3

[notice] A new release of pip available: 22.3.1 -> 23.2.1
[notice] To update, run: python.exe -m pip install --upgrade pip

(web-dev) E:\Files\Portfolio\cf-python-course>django-admin --version
4.2.5

(web-dev) E:\Files\Portfolio\cf-python-course>python --version
Python 3.11.3

(web-dev) E:\Files\Portfolio\cf-python-course>
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Command Prompt
05/28/2023 07:14 AM <DIR> meet
05/29/2023 02:51 PM <DIR> movie_api
07/23/2023 06:38 AM <DIR> myflix-angular-client
05/15/2023 06:49 AM <DIR> myflix-client
06/12/2023 08:12 PM <DIR> node_modules
05/29/2023 04:57 PM <DIR> out
06/12/2023 08:12 PM 35,102 package-lock.json
06/12/2023 08:12 PM 59 package.json
07/26/2023 07:52 PM 320 requirements.txt
07/26/2023 07:22 PM <DIR> Scripts
09/04/2023 11:53 AM <DIR> shopping_lists-main
09/06/2022 06:40 AM <DIR> short_course
05/15/2023 06:54 AM <DIR> simple-js-app
10/23/2022 06:24 AM <DIR> to-do-list-app
5 File(s) 868,152 bytes
26 Dir(s) 49,956,048,896 bytes free

E:\Files\Portfolio>cd cf-python-course
E:\Files\Portfolio\cf-python-course>python -m achievement2-practice
C:\Python311\python.exe: No module named achievement2-practice

E:\Files\Portfolio\cf-python-course>achievement2-practice\Scripts\activate.bat
The system cannot find the path specified.

E:\Files\Portfolio\cf-python-course>python -m venv achievement2-practice
E:\Files\Portfolio\cf-python-course>achievement2-practice\Scripts\activate.bat
(achievement2-practice) E:\Files\Portfolio\cf-python-course>
```