

# Task 2.1

Some of the reasons companies use Django are because it is fast to develop with, scalable, and secure. It is easy to add on because the architecture is loosely coupled. It is secure to use because it has built-in automated encryption.

## Companies that use Django

- **Instagram**- Users can share photos and videos. Instagram uses Django to process tasks like photo sharing, messaging, etc.
- **YouTube**- Users can upload videos for others to view. YouTube uses Django to handle a large number of users.
- **Spotify**- Spotify lets users search for and save their favorite music. Spotify uses Django to use the large amount of data stored easily.
- **Pinterest**- Pinterest lets users create boards that show them new ideas for any topic (cooking, hobbies, etc.). Pinterest modifies Django's framework to create a user-friendly interface.
- **Eventbrite**- Users can find local events. Eventbrite switched to Django to use features like routing, form building, unit testing, etc.

## Would I use Django?

1. **You need to develop a web application with multiple users.**
  - I would use Django because it is good at handling many users securely.
2. **You need fast deployment and the ability to make changes as you proceed.**
  - I would use Django because you can use it to prototype or develop quickly since it is MVT-based.
3. **You need to build a very basic application, which doesn't require any database access or file operations.**
  - I wouldn't use Django because it is best to use Django with applications that use a database.
4. **You want to build an application from scratch and want a lot of control over how it works.**
  - I wouldn't use Django because you have to use it in a specific way for it to work.

**5. 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 good at making large projects. If you get stuck Django has great documentation and a large community that can help you with your issue.

## **Python Version**

```
C:\Users\Dominic>python -V  
Python 3.12.0
```

## **Virtual Environment**

```
(achievement2-practice) C:\Users\Dominic\Documents\Python\Achievement2>
```

## **Django Version**

```
(achievement2-practice) C:\Users\Dominic\Documents\Python\Achievement2>django-admin --version  
5.0.1
```