

## Exercise 2.1 Getting Started with Django

2. Django is popular with web developers because it encourages rapid development and allows for scalability. It is liked for its reusability, minimal code, and low coupling.

3. Companies that use Django:

Spotify	Audio streaming provider	Use Python and Django for back-end services and data analysis
National Geographic	Television network and magazine	Use Django for content management system (CMS)
Eventbrite	Event Management and ticketing service	Use Django for URL routing, form building, unit tests and more
Disqus	Allows websites to feature commenting	Use Django in their tech stack
Mozilla	Created Firefox web browser	Use Django to handle large amounts of traffic and API hits efficiently

4.

a. I would use Django because it has built-in automated encryption, with this security it is setup to handle multiple users.

b. I would use Django for fast deployment and ability to make changes. Those are two key attributes that it was built to handle.

c. I would not use Django because if there is no database and it is very basic the framework is not necessary in this application. A lightweight framework may work better in this situation or none at all.

d. I would not use Django if I want a lot of control over it. It is based on specific way, the Django way, so some control over the internals is lost.

e. I would use Django because it is great at handling large projects and there is a lot of support available with it being open source and a large community of contributors.

5.

```
zsh: command not found: python
[christieloughlin@Christies-MacBook-Pro Python % python3 --version]
Python 3.8.7
[christieloughlin@Christies-MacBook-Pro Python % mkvirtualenv web_dev]
1
```

7.

```
virtualenvwrapper.user_scripts creating /Users/christieloughlin/.virtualenvs/achievement2-practice/bin/get_env_details
(achievement2-practice) christieloughlin@Christies-MacBook-Pro Python % █
```

8.

```
[(achievement2-practice) christieloughlin@Christies-MacBook-Pro Python % django-a]
dmin --version
4.1.7
(achievement2-practice) christieloughlin@Christies-MacBook-Pro Python % █
```