

Exercise 1.7

1. Suppose you're a web developer in a company and need to decide if you'll use vanilla (plain) Python for a project, or a framework like Django instead. What are the advantages and drawbacks of each?

Because Django is a framework, it would make setting up the structure of the project and connecting to the database very simple. Django is also very scalable and secure which is ideal for complex apps. However, Django has a very rigid structure that is less flexible than building without this framework. If the company wanted a very flexible app, they would not want to use Django.

2. In your own words, what is the most significant advantage of Model View Template (MVT) architecture over Model View Controller (MVC) architecture?

The most significant advantage of MVT is that you don't have to write code to fetch data from the database and map it to the URL like you do in MVC. You only need to specify items needed and the template will send it to the user.

3. Now that you've had an introduction to the Django framework, write down three goals you have for yourself and your learning process during this Achievement. You can reflect on the following questions if it helps:
 - What do you want to learn about Django?

I would like to learn how Django makes frontend and backend projects easier.

- What do you want to get out of this Achievement?

I would like to have a better understanding of how to use Django for apps.

- Where or what do you see yourself working on after you complete this Achievement?

I would love to be working with Python on a full stack project.

