

Exercise 2.1: Getting Started with Django

Learning Goals

- Explain MVT architecture and compare it with MVC
- Summarize Django's benefits and drawbacks
- Install and get started with Django

Reflection Questions

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?

Vanilla python is lightweight and is flexible and easier to learn for developers. The issue with vanilla python is that there aren't many built-in features, development times are much longer and harder to maintain.

Django has a very quick development, is able to be scaled, and has an active community which gives access to a collection of packages from third parties. The issue with Django is learning as its very strict within 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 that Model View Template has over Model View Template architecture is that there is a separation of concerns and the decoupling of business logic that comes from the user interface.

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?

Since this is the first exercise I can't really specify anything just yet as we only learned about downloading it into the system. But I would like to learn all the basics of Django which will help understand how to use the program.

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

I would like to be able to build a website and learn the ins and outs of Django

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

I see myself working as a web developer where Python is used as well as Django