

Exercise 2.1: Getting Started with Django

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?***

Using vanilla Python gives a developer control over all aspects of their application. It takes far more overhead and isn't great for scaling, but it can ensure all features are implemented to your liking.

With a framework like Django, you are offered a wide range of out of the box features that make development quicker and scalable. Using this method allows developers to focus more on the user experience and overall design of the app rather than focusing so heavily on the logic of backend/frontend interactions.

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

A significant advantage of MVT over MVC is that a large portion of the **controller** is handled by the framework itself rather than the developer. Django, for example, manages most of the logic behind user requests which frees up time and resources for teams to focus on other elements of the app.

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 want to learn more about the many out of the box features that it offers and how it can simplify certain aspects of the development process.
- ***What do you want to get out of this Achievement?***
 - I want to see Django in action. This is a framework I've heard in passing constantly but I am excited to see the direct comparison to working with vanilla Python vs a Python-specific framework.
- ***Where or what do you see yourself working on after you complete this Achievement?***
 - After this Achievement I want to continue working on this recipe app and expanding on the features available to users. This is the type of personal project I've wanted to work on for a while so it will be a project that will keep me interested as I continue practicing Python and related frameworks.