

Task 2.1 – Learning Journal:

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?

Django is fast with robust security and ease of scalability. It comes loaded with a large library of tools and features you can use. It provides developers an 'Admin interface' which an authorized person can use to manage contents of the page. This makes Django cost effective and efficient if used in large projects with short deadlines. Its disadvantages on the other hand are Django has its own ways of performing tasks – Known as “The Django way” it takes large portion of server processing and time for small projects and is not ideal for small projects.

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

With MVC architecture, you would have to:

1. Write (the controller) code to fetch the list from the database.
2. Write HTML and CSS to display the list.
3. Map the list to the URL of the web application.
4. Send the list to the user.

However, with MVT architecture you don't have to write code to fetch the data from the database and map it to the URL. You simply need to specify which items to present to the user, and the framework (Template) will prepare and send it.

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?

For this achievement, I am hoping to be confident enough to work with the features and tools of Django and to increase my backend knowledge. I think if I can make applications with heavy traffic requests or large amount of data to manipulate and scale up or down apps made using Django, that is a win for me.