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?

The benefits of python are its development speed, ease of use, and scalability. Its flaws are its lack of flexibility due to its structure, and steeper learning curve. Vanilla python is generally easier to learn, and more flexible because of lack of defining structure especially for smaller apps.

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

I believe the most significant advantage of MVT over the MVC model is its separation of concerns. In MVT the View is responsible for processes HTTP requests, getting the information and passing it to Template. The Template is strictly concerned with the presentation layer. For MVC both the Controller and View handle both sides and there is not a clear separation between logic and presentation.

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 to use Django code wise and otherwise.
   - What do you want to get out of this Achievement? I would like to have the tools to build and app and be able to make an app of my own using Django.
   - Where or what do you see yourself working on after you complete this Achievement? I would like to be working as a web developer hopefully utilizing Django.