Challis Regan

### 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?
   1. Django makes it easier to build the front end of a website or web-based application. It is great at scaling and fast performance. And there is a lot of support online because Django is popular and open-source. With Vanilla Python, on the other hand, you can choose a different way to build the front end if you want more control and customization. Also, Vanilla Python would be better for simple projects that do not have database access or file management.
2. In your own words, what is the most significant advantage of Model View Template (MVT) architecture over Model View Controller (MVC) architecture?
   1. In Model View Controller (MVC) architecture, the controller controls the data and logical flow between the model and the view and you have to write the controller code yourself. With Model View Template (MVT), on the other hand, the code is already written for you. You specify which items to present to the user, and the Template framework 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. You can reflect on the following questions if it helps:

* What do you want to learn about Django?
  + I want to learn and thoroughly understand everything in this Achievement. I hope to make a nice, smoothly operating website using Django that will impress potential employers.
* What do you want to get out of this Achievement?
  + This time, I will re-read the Achievement document after every lesson to see where I could incorporate the bonus activities.
* Where or what do you see yourself working on after you complete this Achievement?
  + First and foremost, I will continue to work on the job preparation course after this achievement. I will then apply for jobs that use Python, Django and the other languages I learned. Also, I was considering re-doing my portfolio website using a framework instead of static HTML. I was considering React but perhaps I could use Django?