Journal Entry 2.8

1. Explain how you can use CSS and JavaScript in your Django web application.

   You can use CSS and JavaScript in Django to help improve the look and overall user experience of the web application. They can provide your web pages with interactive elements that engage the users and increase your number of users.

2. In your own words, explain the steps you'd need to take to deploy your Django web application.

   First, you will also need to configure your settings.py file so you can host static files separately. Second, you will need to create a Procfile, install Gunicorn, and configure your database. Next, you will need to install WhiteNoise and add it to settings.py file as well as changing DEBUG to false. After, you will need to replicate your development environment to your production environment by creating a requirements.txt file. Then you can prepare a GitHub repository and upload your code. When uploading your code you need to make sure you have a .gitignore so you don't upload the back up and database files. Lastly, you can host your web application on any host providers like Heroku.

3. You've now finished Achievement 2 and, with it, the whole course! Take a moment to reflect on your learning:
   a. What went well during this Achievement?
      i. Whenever I was stuck on how to do something, through this course I have become more comfortable with looking for solutions online and through peers.
   b. What's something you're proud of?
      i. I am proud of learning how to build an application using Django and expanding my coding skills.
   c. What was the most challenging aspect of this Achievement?
      i. The complexity of the material and the subtle differences between JavaScript and Python were the most challenging to me.
   d. Did this Achievement meet your expectations? Did it give you the confidence to start working with your new Django skills?
      i. This achievement helped with using giving me the confidence to be able to build an application with Django and Python as a whole. I still want to learn more and refine my skills but I feel more comfortable with the basics.