

## Exercise 2.8: Deploying a Django Project

### Learning Goals

- Enhance user experience and look and feel of your web application using CSS and JS
- Deploy your Django web application on a web server
- Curate project deliverables for your portfolio

### Reflection Questions

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

**-CSS and JavaScript can be used in a Django web app. This is done by adding respective folders to the static folder and then working from there. Then these are loaded via the static role in project templates.**

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

**-To deploy a Django project, to Heroku, first ensure code is working as intended on local server and the final version of the code has been pushed to a git repository. Be sure to back-up the project, as well. Then, the application needs to be updated to handle hosting. This includes taking steps to install packages to the virtual environment, such as whitenoise and the dj-database-url packages. You must also ensure DEBUG is set to False and the SECRET\_KEY is hidden. Next, the Heroku configurations must also be configured, then the project can be pushed to the Heroku server.**

3. (Optional) Connect with a few Django web developers through LinkedIn or any other network. Ask them for their tips on creating a portfolio to showcase Python programming and Django skills. Think about which tips could help you improve your portfolio.
4. 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?

**-Designing the app in a way that I liked and worked. It was fun to use my previous skills for this project.**

- b. What's something you're proud of?

**-I'm proud that I've completed this achievement, as well as the CareerFoundry immersion course.**

- c. What was the most challenging aspect of this Achievement?

**-I'm not sure, probably making sure all the right pieces worked together, such as the configurations for deploying to Heroku. There were issues there that took some time to fix and scared me that the whole project had broken. Thankfully, I was able to resolve the issues.**

- d. Did this Achievement meet your expectations? Did it give you the confidence to start working with your new Django skills?

**-I'd say it did for the most part. It is a cool framework and it was fun to see the project come together.**