

Exercise 2.8: Deploying a Django Project

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

We created a folder named 'static', which we will put inside of our 'src' folder. We then need to create our CSS and JS files that will be located inside of our newly created 'static' folder.

We then need to refer to the CSS and JavaScript files in our HTML templates as follows:

```
<head>
  <link rel="stylesheet" href="static/styles.css">
  <script src="static/js.js" defer></script>
</head>
```

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

We need to clear sensitive information (such as keys), create a .gitignore file to avoid pushing files that will not be needed in our production environment. We will need to create a Procfile, install Gunicorn, and configure our app to be used on the hosting service provider. After that, we have to update our settings.py file to handle static files when in the production environment and also install the whitenoise package. Eventually, we need to create a requirements.txt file to replicate our development environment to our production environment. Then, we can push our app to GitHub. When on GitHub, we need to push the app to Heroku or whichever hosting service you prefer.

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 feel I learned a lot about Django and its uses.

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

I was able to complete this achievement fairly quickly.

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

Python configuration gave me some troubles.

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

Yes, I feel confident I will be able to adequately work on Python/Django apps in the future.