

Exercise 2.8: Deploying a Django Project

Reflection Questions

1. 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>
```

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

- Clear sensitive information (e.g., keys)
- Create a .gitignore file to exclude unnecessary files for production
- Generate a Procfile and install Gunicorn for deployment
- Configure the app for the hosting service provider
- Update settings.py for proper handling of static files in production
- Install the whitenoise package
- Create a requirements.txt file to replicate the development environment in production
- Push the app to GitHub
- Push the app to Heroku or preferred hosting service from GitHub

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 learned a lot about using python to build a complete app, as well as using the Django framework.
- b. What's something you're proud of?
I'm proud of being able to complete this project within less time than expected.
- c. What was the most challenging aspect of this Achievement?
The configuration aspect of python was a bit tricky.
- 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 that I will be able to work on Python/Django apps in the future.