Exercise 2.2: Django Project Set Up

Learning Goals

- Describe the basic structure of a Django project
- Summarize the difference between projects and apps
- Create a Django project and run it locally
- Create a superuser for a Django web application

Reflection Questions

1. Suppose you're in an interview. The interviewer gives you their company's website as an example, asking you to convert the website and its different parts into Django terms. How would you proceed? For this question, you can think about your dream company and look at their website for reference.
   (*Hint: In the Exercise, you saw the example of the CareerFoundry website in the Project and Apps section.*)

   - Identify the main components of the website such as the home page, about page, contact page, etc.
   - Define the project structure
     - Settings
     - URLs
     - Apps
   - Map the website components to the corresponding Django apps
   - Determine what data needs to be stored in database models
   - Create HTML templates
   - Implement Views to handle request, retrieve data and render templates

2. In your own words, describe the steps you would take to deploy a basic Django application locally on your system.

   - Create a virtual environment
   - Install Django
   - Create a Django project
   - Create a Django app
   - Create superuser
   - Run the server

3. Do some research about the Django admin site and write down how you'd use it during your web application development.

   - The Django admin site is a built-in feature that provides a web-based interface for managing the content of a Django application. It is automatically generated and can be customized for

various needs. It can be used for content management, testing of models, permission and user management, customization, and monitoring.