

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.)

I would try to break down their website using the MVT structures. I would try to identify individual modules that could be considered apps and their corresponding function. I would also look into seeing which of these apps could be used in multiple systems. Django is nice because you can reuse code where needed.

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

First I would go to the terminal and create and activate the virtual environment that I was working with.

From there you need to create the project using the `django-admin startproject "project name"`.

From there the files would be put into your folder.

After that you need to run Migrations, followed by run server using the `python manage.py migrate` for migration, and the `python manage.py runserver` for run 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 has many different uses that make it a powerful tool. Features include managing database tables, managing user accounts, managing application settings, debugging, and creating reports. This site gives developers a user-friendly interface and allows them to control applications without writing out extensive code.

