

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.)

The full website would be considered a Django project and the functions and modules within are considered apps – things like photos, chat, login, videos are apps.

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

I would start by creating a virtual environment, installing Django onto that environment and start a new project. This creates the initial file structure. From there I would run the migrations using `manage.py`. Once this has been initialized, I would stop the server, create a superuser for the admin, and add any apps I need to for the project, and then run the server using `manage.py`.

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 an excellent tool to manage a project's data through the development and administration. The pre-built interface is particularly helpful to be able to manage the contents and users of a project along with the CRUD operations.