

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 start by stating that the website as a whole would be viewed as the 'Django Project'. Then, I would begin to navigate the page looking for specific apps. A good place to look would be the navigation bar, from there I would highlight the different links displayed, being sure to identify each link as an 'app'.

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

There are two steps required in order to deploy a Django application locally. You need to migrate, and then you need to run the server. Migration is required to ensure any updates to your database are accounted for, to do this you will need to navigate to the desired directory and run the following command '`py manage.py migrate`'. After you have run migration, you are ready to deploy your project to a server, to do this navigate to the appropriate directory and run '`py manage.py runserver`'. You will receive a response in the terminal that includes the line '*Starting development server at <http://127.0.0.1:8000/>*'. Copy the URL into your browser and you are good to go!

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

During development the admin site can be used to create, view, update, and delete records. This can save a lot of time by making it easy to test your models with specific data added for the development process. This site/tool can be used to determine if you have the right data for your models and allow a developer to determine how best to structure their data for proper functionality.