

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 website consists of a single project (website name) that hosts multiple apps such as the "login" app, the "manage my profile" app and the "view all products" app. The project has a database that holds all products on the site, as well as all user profile information. The "login" app and the "manage my profile" app interact with the database as they will need to perform GET and UPDATE operations to log in and update user info, and the "view all products" app interacts with the database as well as it has to GET all products to be displayed to the user.

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

To deploy a Django application on your local system, you will have to first run migrations if not already done ``python manage.py migrate``, then you can run the server locally in a browser on port 8000 with ``python manage.py runserver``.

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 reads metadata from your models to create a simple UI for trusted users to manage and modify site content. I can use it during production to create and manage superusers and any user/password/auth tasks, as well as any other necessary CRUD operations on the database.