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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.*)
   1. The Hilton website is the project. Inside the project are the apps, “Hotels & Resorts”, “Hilton Honors”, “Offers”, “Meetings & Events”, “Credit Cards”, “Hilton Grand Vacations”, “Hilton for Business”, “Find Stay”, “Join” and “Sign In”. Each app leads to a different area.
2. In your own words, describe the steps you would take to deploy a basic Django application locally on your system.
   1. After creating the Django project, make sure you are in your src folder. Then, run migrations by entering a command in the terminal. If you’re using Mac or Linux, “$python manage.py migrate”. For Windows, use, “...\> py manage.py migrate”. Check if the status of everything is OK and if there is a db.sqlite3 file added under your src folder. If both of these things are true, the next step is running the server. For Mac or Linux, “$python manage.py runserver” and for Windows, type, “...\> py manage.py runserver”. Check to see if it is running by opening “http://127.0.0.1:8000/” in your browser.
3. Do some research about the Django admin site and write down how you’d use it during your web application development.
   1. The Django Admin is a CRUD user interface for all of the models. I already used it to make myself a superuser. I will build my application so users can create an account. I can use my Admin account to manage and modify the user’s info and permissions.

Sources:

<https://www.hilton.com/en/>

<https://docs.djangoproject.com/en/5.1/ref/contrib/admin/>

<https://www.w3schools.com/django/django_admin.php>