

## 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 use Disney as an example. Disney as a whole is the project and inside the project, there are individual apps. On Disney, the apps include:

- the login where the user can get into their account
- the movies where the user can see all the movies
- the menu on the side where the user can select movies, series, their favourite list
- the profile where the user can see edit their profile

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

I would deploy a basic Django application locally by:

1. Creating a virtual environment (e.g `mkvirtualenv web-dev`) and then activating it (`workon web-dev`)
2. Installing Django (`pip install django`)
3. Starting a new project using Django's built in tools which will

create a file structure for the app (django-admin startproject bookstore)

4. Migrate the app to create database (python manage.py migrate)

5. Create a superuser

5. Run server (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 is a built in feature that allows users to customise the interface for managing data. It allows users to perform CRUD operations (create, read, update, delete), manage authentication and filter/search for records in the database. I would use it during my web application development to simplify data management and administrative tasks.