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Exercise 2.3: Django Models

Learning Goals

* Discuss Django models, the “M” part of Django’s MVT architecture
* Create apps and models representing different parts of your web application
* Write and run automated tests

Reflection Questions

1. Do some research on Django models. In your own words, write down how Django models work and what their benefits are.
   1. In Django, data is created in objects, called models, and is converted into tables in a database. A Django model is the ultimate source of information about your data. Typically, each model maps to a single database table. The benefit is, after you define a model and select the database, Django will manage the communication with the database for you. This makes a streamlined work environment.
2. In your own words, explain why it is crucial to write test cases from the beginning of a project. You can take an example project to explain your answer.
   1. Writing test cases is a great coding practice for many reasons. Creating tests from the beginning of a project will save time, uncover problems and prevent them. Also, they are great for collaborating with other developers because tests can stop your code from breaking and they provide documentation. For this recipe project, I am glad I am writing tests early and I will continue to add/edit my tests as the project grows to ensure clean, highly functional code.

Sources:

<https://docs.djangoproject.com/en/5.1/topics/db/models/>

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