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.

Django models are a built-in feature used to create tables, their fields, and various constraints. Django's models provide mapping (Object Relational Mapping (ORM)) to the underlying database. An ORM tool simplifies database programming by providing mapping between an object and the underlying database. Because of this the programmer does not need to know the database structure or the Structured Query Language (SQL) to manipulate and retrieve data. Whenever a Django model is created, Django executes SQL to create a corresponding table in the database without you having to write a single line of the query language.

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.

It is crucial to write tests at the beginning of the project so that you can catch any bugs or errors as they occur. By doing this you will be able to save time and effort when building your project. They will prevent problems from occurring and provide reliability in your code.