

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 python objects that define the structure of stored data. This includes many things like field types, their size, values, and labels. One of the benefits of these models is they allow the developer to work independently of the underlying database and just write the model structure and code.
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.
 - Testing in applications allows to uncover and prevent bugs that would have otherwise exist after launching application and causing problems or crashing the application. Testing allows the developer to save time and increase the reliability of their code, which is crucial when working in a collaborative environment. Additionally, testing allows for more robust documentation as the tests illustrate how the code should behave and gives the developer and other collaborators a better understanding of the code before it is launched.