

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.

The way Django models work is with the web framework which defines the structure and behaviour of data within the database. Django models are like a bridge between various applications and the underlying database which shows developers how to interact with databases using Python.

Django benefits are:

- Increased development speed
- Integrated data validation
- Database independence
- Code readability
- Lowered data handling complexity
- Automatic schema generation and migration

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.

Writing test cases is crucial because this helps developers with code quality, any bugs within the app, scalability, and be able to deploy your application with more confidence as you know what the project will be like. This also allows for your application to be maintainable and robust.