

## 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 objects that are essential in creating and defining the structure of your stored data. The model establishes the format of the data, how it is stored, accessed and manipulated. The benefits of using Django models are that once the model is ordered and created, Django handles the database communication without any assistance. This can save an incredible amount of time, though if your project needs more specific control, Django might not be the framework for you.

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 early on in a project establishes an environment free from errors. This helps to encourage and make collaboration easier by catching bugs early, preventing regression and enabling scalability. This process also helps to have a solid base upon which a robust app can be built.