

Task 2.3:

1. Do some research on Django models. In your own words, write down how Django models work and what their benefits are.

Ans: Django models are representation of the SQL database tables in Python code. Models work by using the ORM (Object Relational Mapper) and are an interface that can run SQL statements without the developer explicitly writing them. This is extremely helpful for dealing with security as writing raw SQL is vulnerable to attacks and the Django ORM sanitizes it by itself preventing such problems.

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.

Ans: Writing test cases in the beginning provide two main advantages. One being that the requirements of the project are made clear in the start and then they are followed throughout the development of the app. Secondly, since we have tests since the beginning after every change we can test our app and verify that adding some feature did not break anything that was working prior to that addition.