

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

Models are Python objects that Django web applications use to access and manage data from database.

- Define structure of data stored in database
- Contains essential fields and behaviors of data
- Each model maps to single database table
- Each attribute of model represents a database field.

Only required to write model structure – Django will handle the database interaction.

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.

Tests help to catch bugs – avoid hidden errors. Important to write and begin test so as to catch the bugs as they occur. Ensures reliability of code and prevent other developers from breaking app. Able to save time so developers can focus on developing app instead of having to check/test manually in future.