EXERCISE 2.3: DJANGO MODELS

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 SERVE AS THE STRUCTURE FOR STORING AND MANAGING DATA IN YOUR WEB APPLICATION. EACH MODEL CORRESPONDS TO A TABLE IN THE DATABASE, AND THE FIELDS OF THE MODEL REPRESENT THE COLUMNS IN THE TABLE.
   - DJANGO MODELS' BENEFITS ARE THEY SIMPLIFY THE WAY YOU HANDLE DATA STORAGE AND RETRIEVAL, PROMOTE CODE CONSISTENCY, AND REDUCE THE NEED TO WRITE BOILERPLATE DATABASE CODE, MAKING THEM A CORE FEATURE OF DJANGO'S EFFICIENCY FOR WEB DEVELOPMENT.
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 FROM THE BEGINNING OF A PROJECT IS CRUCIAL BECAUSE IT ENSURES THAT YOUR CODE FUNCTIONS AS EXPECTED, REDUCES THE LIKELIHOOD OF BUGS, AND PROMOTES A STABLE, MAINTAINABLE CODEBASE. TEST-DRIVEN DEVELOPMENT (TDD) OR WRITING TESTS EARLY LEADS TO A MORE RELIABLE, MAINTAINABLE, AND SCALABLE APPLICATION.