

Answer questions 1-6 based on the following Online Shopping System case study:

Imagine you are tasked with developing an online shopping system for a retail company. The system should allow users to browse products, add them to a shopping cart, place orders, and make payments online. The system should also support account creation, order tracking, and customer support functionalities.

Questions: (45 Marks)

1. What are the key stakeholders involved in the development of the online shopping system, and what are their primary concerns? (5 marks)
2. Describe the process you would follow to elicit and document the requirements for the online shopping system. (7 marks)
3. Outline the architectural design considerations for the online shopping system, including the choice of architectural style and the distribution of system components. (8 marks)
4. Discuss how you would design the user interface of the online shopping system to provide an intuitive and seamless shopping experience for users. (7 marks)
5. Develop a test plan for testing the online shopping system. Include different types of testing (e.g., functional testing, usability testing) and describe the test environment and test data needed. (10 marks)
6. Explain the role of automated testing in the testing process for the online shopping system. Discuss the advantages and disadvantages of using automated testing tools. (8 marks)