

Quality Attribute Scenarios

ID	Quality Attribute	Scenario	Associated Use Cases
QA-1	Security	When an unknown user attempts to login more than five times, the system responds by locking the account and emailing the account owner. This prevents 100% of the user's data from being compromised.	UC-1, UC-2
QA-2	Availability	A user makes a request to interact with the bookstore system, such as inventory, shopping, or searching under normal conditions. The system responds to 100% of the requests 24/7 unless there is a scheduled outage.	ALL
QA-3	Usability	A user should be able to navigate efficiently through their specific interface to the website. The interface requires at most 5 clicks to return the desired information.	ALL
QA-4	Performance	When a user interacts with the bookstore database system, it responds by adding, removing or modifying that element. This request should be processed within 500ms.	UC-2 to UC-10
QA-5	Performance, Usability	An end user adds or removes a book into the shopping cart system. The system responds by providing the user with an updated balance, given that the book is available. This response should be within 500ms.	UC-5, UC-6, UC-7