

Objective

The primary objective of testing the warranty check web application is to verify that it can correctly determine the warranty information for a given product's serial number.

Product to test

<https://www.barco.com/en/clickshare/support/warranty-info>

Features

The following are the features of the web application that need to be tested:

- Ability to enter a product's serial number
- Validation of the entered serial number
- Retrieval of the product's warranty information from a database
- Display of the warranty information to the user
- Display warning message if user enter invalid serial number

Test type

- Functional testing
 - to test the basic functionality of the application, including entering a valid and invalid serial number, and verifying that the warranty information is displayed accurately
- Usability testing
 - to test the user interface of the application, including ease of use, accessibility, and responsiveness
- Security testing
 - to test the security of the application and the database, including protection against unauthorized access and data breaches
- Performance testing
 - to test the response time and overall performance of the application when handling multiple requests simultaneously

Test approach

The following approach should be taken while testing the web application:

- Testing should cover the features the application provides.
- Perform both positive and negative testing to validate the behavior of the application in different scenarios

- Use a combination of automated and manual testing methods to ensure comprehensive testing
- Test the application on different browsers and devices to ensure compatibility

Test environment

The testing environment for the web application should include:

- Test server and database
- Testing tools for automation and manual testing
- Various browsers and devices for compatibility testing

Test Deliverables

The following deliverables should be produced as part of the testing process:

- Test plan document
- Test cases and test scripts
- Test report documenting the results of the testing, including any defects found and their severity