

Functional Vs. Non-Functional Testing

Functional
Testing

VS

Non-Functional
Testing

Parameters	Functional	Non-functional testing
Execution	It is performed before non-functional testing.	It is performed after the functional testing.
Focus area	It is based on customer's requirements.	It focusses on customer's expectation.
Requirement	It is easy to define functional requirements.	It is difficult to define the requirements for non-functional testing.
Usage	Helps to validate the behavior of the application.	Helps to validate the performance of the application.
Objective	Carried out to validate software actions.	It is done to validate the performance of the software.
Requirements	Functional testing is carried out using the functional specification.	This kind of testing is carried out by performance specifications
Manual testing	Functional testing is easy to execute by manual testing.	It's very hard to perform non-functional testing manually.
Functionality	It describes what the product does.	It describes how the product works.
Example Test Case	Check login functionality.	The dashboard should load in 2 seconds.
Testing Types	Examples of Functional Testing Types <ul style="list-style-type: none">• Unit testing• Smoke testing• User Acceptance• Integration Testing• Regression testing• Localization• Globalization• Interoperability	Examples of Non-functional Testing Types <ul style="list-style-type: none">• Performance Testing• Volume Testing• Scalability• Usability Testing• Load Testing• Stress Testing• Compliance Testing• Portability Testing

Parameters

Functional

Non-functional testing

		<ul style="list-style-type: none">Disaster Recover Testing
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