

# Difference Between Retesting and Regression Testing

## Retesting

**Retesting** is a process to check specific test cases that are found with bug/s in the final execution. Generally, testers find these bugs while testing the software application and assign it to the developers to fix it. Then the developers fix the bug/s and assign it back to the testers for verification. This continuous process is called Retesting.

## What is Regression Testing?

**Regression Testing** is a type of software testing executed to check whether a code change has not unfavorably disturbed current features & functions of an Application

Re-testing Vs Regression Testing is a common FAQ amongst QA aspirants.

KEY DIFFERENCE

- Regression testing is performed for passed test cases while Retesting is done only for failed test cases.
- Regression testing checks for unexpected side-effects while Re-testing makes sure that the original fault has been corrected.
- Regression Testing doesn't include defect verification whereas Re-testing includes defect verification.
- Regression testing is known as generic testing whereas Re-testing is planned testing.
- Regression Testing is possible with the use of automation whereas Re-testing is not possible with automation.

Below is a detailed comparison with Example

## Retesting vs Regression Testing

Regression Testing	Re-testing
<ul style="list-style-type: none"><li>Regression Testing is carried out to confirm whether a recent program or code change has not adversely affected existing features</li></ul>	<ul style="list-style-type: none"><li>Re-testing is carried out to confirm the test cases that failed in the final execution are passing after the defects are fixed</li></ul>
<ul style="list-style-type: none"><li>The purpose of Regression Testing is that new code changes should not have any side effects to existing functionalities</li></ul>	<ul style="list-style-type: none"><li>Re-testing is done on the basis of the Defect fixes</li></ul>
<ul style="list-style-type: none"><li>Defect verification is not the part of Regression Testing</li></ul>	<ul style="list-style-type: none"><li>Defect verification is the part of re-testing</li></ul>
<ul style="list-style-type: none"><li>Based on the project and availability of resources, Regression Testing can be carried out parallel with Re-testing</li></ul>	<ul style="list-style-type: none"><li>Priority of re-testing is higher than regression testing, so it is carried out before regression testing</li></ul>
<ul style="list-style-type: none"><li>You can do automation for regression testing, Manual Testing could be expensive and time-consuming</li></ul>	<ul style="list-style-type: none"><li>You cannot automate the test cases for Retesting</li></ul>
<ul style="list-style-type: none"><li>Regression testing is known as a generic testing</li></ul>	<ul style="list-style-type: none"><li>Re-testing is a planned testing</li></ul>
<ul style="list-style-type: none"><li>Regression testing is done for passed test cases</li></ul>	<ul style="list-style-type: none"><li>Retesting is done only for failed test cases</li></ul>
<ul style="list-style-type: none"><li>Regression testing checks for unexpected side-effects</li></ul>	<ul style="list-style-type: none"><li>Re-testing makes sure that the original fault has been corrected</li></ul>
<ul style="list-style-type: none"><li>Regression testing is only done when there is any modification or changes become mandatory in an existing project</li></ul>	<ul style="list-style-type: none"><li>Re-testing executes a defect with the same data and the same environment with different inputs with a new build</li></ul>
<ul style="list-style-type: none"><li>Test cases for regression testing can be obtained from the functional specification, user tutorials and manuals, and defect reports in regards to corrected problems</li></ul>	<ul style="list-style-type: none"><li>Test cases for retesting cannot be obtained before start testing.</li></ul>

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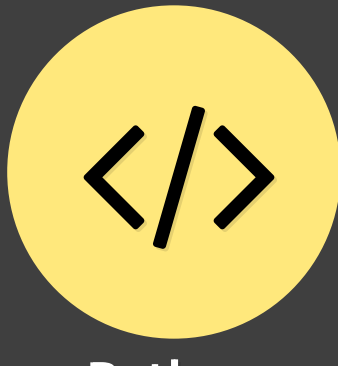
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