5 BEST PRACTICES FOR REGRESSION TESTING

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Regression Testing is a testing method which involves re-running certain functional and non-functional tests to verify whether any new modifications have had an adverse effect on its performance.

To conduct successful regression testing in an agile manner and avail optimum results, a tester can leverage the following best practices:

1 ## Establish an effective regression testing strategy

A comprehensive test strategy must be defined beforehand which includes a list of all possible test cases, time required for their execution, scope for automation, etc.

2 ## Conduct sanity and smoke tests

Sanity tests involve checking the basic functionality of the application while smoke tests help in ensuring that the initiation workflows are running smoothly. Both these tests help in saving the tester's time.

3 ## Invest in automating tests

Parallelly run automated regression tests help in saving copious amounts of time and effort that would have been spent on manually running n number of regression tests at every stage in the development cycle.

4 ## Develop and maintain a regression pack

A regression pack is essentially a collection of test cases drafted as per the requirements document and can be used to test the software after every update and addition of new features.

5 ## Adopt a continuous testing strategy

The agile methodology of testing outlines a "fail fast" and "fail often" thought process availed with the help of continuous testing that allows defects to be addressed before the software is delivered.

Regression testing is effectively the backbone of every quality assurance strategy that helps testers deliver defect-free, fully performant software in a speedy and cost-effective manner.

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