

10 Tips for Successful Testing of Apps

Testing is an integral part of the app development process that ensures to deliver quality apps and offer seamless user experience. Organizations leverage the benefits of test automation strategy to improve the quality of developed software which forms the critical parameter in today's quality-driven world.

Testing Strategy

Creating an efficient testing strategy is important to streamline the process and yield maximum benefits, while delivering quality applications faster.

Choosing the right tool

Purchasing the right tool is important to understand the requirement thoroughly and go for the one that has the capabilities to address all the parameters one is looking for, not to forget the budget.

Selecting the automation testing framework

Test automation frameworks are the recommended guidelines to be followed while writing and running the tests. It is important to choose the right framework that suits one's requirement the best.

Continuous testing

Agile methodology is widely used by developers to create flawlessly working applications. Developers and testers will have active participation in setting the guidelines. Here, the application is tested as it is being built, helping to analyze the business risk associated with the developed app, which will eventually help in improving the ROI metrics.

Use of real devices for testing

Simulators and emulators mimic the real devices; but the performance of the actual application depends upon the hardware configuration and software installed in the real device. Hence, it is necessary to run the automated test cases on actual devices.

Designing the test cases

Determining the testing approach and strategy can help testers to begin designing test cases that need to be executed. Seasoned testers will be required to test the design case and execute them, this is the most crucial part of the testing process.

Setting up the test environment

Once all the above steps are accomplished, setting up a test environment that can complete the test execution becomes necessary. Setting up the test environment requires the automation team to acquire the software and hardware necessary to run these tests.

Running the automated tests

While creating the test scripts, ensuring that they are correctly documented, well-structured and have potential reuse value is inevitable. Reusable test cases have the potential to cut down the cost and time significantly.

Analyzing test results

Finally, after the test execution process is complete, it is essential to analyze the test results to check if anything went wrong or was unexpected, what needs to be fixed or improved, the overall success rate of the test, etc.

Maintaining test scripts

The final step involves the maintenance of the test scripts so that they can be used shortly for regression tests and testing a similar kind of software. Teams are recommended to keep removing the obsolete test cases and adding newer ones to the test repository to ensure effective automation and improve the future reuse value of the test scripts.

