

Study and Analysis of Automation Testing

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Abstract: *Automation Testing means using an automation tool to execute your test case suite. The automation software can also enter test data into the System Under Test, compare expected and actual results and generate detailed test reports. Test Automation demands considerable investments of money and resources. Successive development cycles will require execution of same test suite repeatedly. Using a test automation tool, it's possible to record this test suite and re-play it as required. Once the test suite is automated, no human intervention is required. This improved ROI of Test Automation. The goal of Automation is to reduce the number of test cases to be run manually and not to eliminate Manual Testing altogether. Testing is a very important activity in Software Development Process. It is to examine & modify source code. Effective Testing produces high quality software. This Paper deals with a significant and vital issue of Software Testing. Testing can be conducted manually as well as Automated. These Techniques have their own advantages & disadvantages. The Objective of this paper is to Introduce in Software Testing and Software Test Automation where we cover what is Test Automation, Why Automation Testing, which test cases to automate, Who should be involved in test automation, Common Misconceptions About Automated Testing, How Automation script works, Automation Testing Process, Why Framework for Automation, Types of Automation Framework, Automation at Different levels, Automation Testing Tools.*

Keywords: Software Testing, Agile in Software Testing, Test Case Design, Automation in DevOps.

BIBLIOGRAPHY

- [1]. <https://www.guru99.com/software-testing-introduction-importance.html>
- [2]. <https://smartbear.com/learn/automated-testing/test-automation-frameworks/>
- [3]. <https://www.guru99.com/agile-testing-a-beginner-s-guide.html>
- [4]. <https://reqtest.com/testing-blog/test-case-design-techniques/>