Abstract

Manual software testing has been traditionally used in the software industry. It depends completely on human testers without the help of any tool to detect the unexpected behavior of an application. However, the main problem in the manual testing approach is that it is a time-consuming task in addition to the fact that tests cannot be reused. Automation software testing has been introduced to reduce testing efforts and detect as many faults as possible. Test cases are executed not only to test the functional requirements for the first time, but also to check the functions which have been already tested. This study aims to present the main features of different automation testing frameworks. In addition, an overview of different scripting techniques is presented during the study.

References

1. Q. A. Malik, "Combining Model-Based Testing, Stepwise Formal Development," Abo
Akademi University, Department of Information Technologies Joukahaisenkatu, [PhD Thesis], 2010.


53. P. K. Chittimalli and M. J. Harrold, "Recomputing Coverage Information to Assist


**Index Terms**

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