

Project Title: Analysis of Web Automation Tools – Ranorex and TestComplete

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Motivation: The tools Ranorex and TestComplete automates the UI testing of web based applications without writing any code. The goals of the project are to analyze both the tools finding their strengths and limitations and their features. We can easily automate any kind of web applications using these tools. Also, we can perform efficient and reliable web test automation with minimal effort.

Approach and evaluation: These tools allow us to perform testing of web applications to verify that they work correctly. The tools allows us to record test cases by recording and playing back a user's actions as they navigate through the web application during the testing process. System information like execution time, language, duration, total errors, and total warnings will be compared with respect to our activities which were chosen.

Ranorex: We choose set of activities of various web applications to analyze Ranorex tool. This tool allows us to record test cases by recording and playing back a user's actions as they navigate through the web application during the testing process. We can use the Ranorex Spy to analyze the structure and the content of a web application and to see which information is accessible during automation. Analysis will also include in finding out the strengths and weaknesses of the tool by extracting various information about the tool which are: To what extent the tool supports Cross-Browser Testing and Recordings.

TestComplete: We can record and play web page navigation, logging in and out, filling out and submitting forms, searching product catalogs, placing orders and other operations Using TestComplete we record and run test , we can create checkpoints and we can see the test results. It can automatically launch the application during test recording and test runs.

Milestones and Dates:

Mile Stone	Date
Selection of activities of various applications and record of test cases for each activity for both the tools.	Oct 8 th 2017
Analyzing the results by extracting general information of test case results of both the tools.	Oct 15 th 2017
Analyzing the results by extracting system information of test case results of both the tools.	Oct 22 nd 2017
Determine if the tools support Cross Browser Testing.	Oct 29 th 2017
Determining if the tool supports User Interface controls, and Error handling mechanisms.	Nov 5 th 2017
Preparation of Report and Presentation slides for Project	Nov 12 th 2017