Module 4&5 Selenium

1. What is Automation Testing?

Test automation is the use of software to control the execution of tests, the comparison of actual outcomes to predicted outcomes, setting up of test preconditions and other test control and test reporting functions.

Test Automation is a process that involves automating a manual process already in place that uses a formalized testing process.

1. Which are the Browsers supported by Selenium IDE?

Selenium : Selenium is a free open source automated testing suite for web applications across diff browsers and platforms.

Selenium Integrated Development Environment(IDE) is the simplest framework in Selenium.

Browsers supported by Selenium IDE : Windows, Mac OS, Linux

1. What are the benefits of Automation testing?

The Benefits are like:

1)Speed : Automated Scripts run very fast comparing to human users.

2) Reliable : Automated testing is more reliable as it is performed by tools and/or scripts.

3) Repeatable: Automated testing is a practical option when the test case are run repeatedly.

4) Reusable : We can reuse tests on diff versions of application even if UI changes.

5) Comprehensive : We can build suite of tests that covers every feature of the application.

1. What are the Advantages of Selenium?

* Selenium is Open source, Free to use and free of charge.
* It is highly extensible.
* It can run tests across various different browsers.
* Supports various Operating Systems.
* Supports mobile devices.
* It can execute tests in parallel.
* It can execute tests while the browser is minimized.

1. Why testers should opt for Selenium and not QTP?

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| Selenium | QTP |
| Open source, free to use, and free of charge. | Commercial |
| Highly extensible | Limited add- ons |
| can run tests across various different browsers | Can only run tests in Firefox, Internet Explorer and Chrome |
| Supports various operating systems | Can only be used in windows |
| Supports mobile devices | Support mobile device using 3rd party software |
| can execute tests while the browser is minimized | Needs to have the Application under test |
| can execute tests in parallel | Can only execute in parallel but using Quality Center which is again a paid product |