Assignment Module – 5 (Selenium IDE)

**• What is Automation Testing?**

**Ans:**

Automation testing is the process of using specialized tools or scripts to automatically execute test cases on software, without human intervention, to verify that it behaves as expected. The purpose is to speed up the testing process, reduce human error, and ensure consistent results especially helpful for repetitive or large-scale testing.

* **Which Are The Browsers Supported By Selenium Ide?**

**Ans:**

**Google Chrome** and **Mozilla Firefox** are the browsers that are supported by Selenium IDE.

**• What are the benefits of Automation Testing?**

**Ans:**

70% faster than the manual testing

Wider test coverage of application features

Reliable in results

Ensure Consistency Saves Time and Cost

Improves accuracy

Human Intervention is not required while execution

Increases Efficiency

Better speed in executing tests

Re-usable test scripts

Test Frequently and thoroughly

More cycle of execution can be achieved through automation

Early time to market

**• What are the advantages of Selenium?**

**Ans:**

-Very easy to use and install.

-No programming experience is required, through knowledge of HTML and DOM are needed

-Can export tests to formats usable in Selenium RC and WebDriver

-Has built-in help and test results reporting module.

-Provides support for extensions.

**• Why testers should opt for Selenium and not QTP?**

**Ans:**

* Selenium is open source, free to use, and free of charge while QTP is commercial.
* Selenium is Highly Extensible, while QTP has limited add-ons
* Selenium support various operating systems while QTP can be used in windows only
* Selenium can run tests across different browsers, while QTP can only run tests in Firefox, Internet Explorer, and Chrome.
* Selenium Supports mobile devices while QTP Supports mobile devise using 3rd party software
* Selenium Can execute tests while the browser is Needs to minimized, while QTP have the application under test to be visible on the desktop
* Selenium Can execute tests in parallel while QTP Can only execute in parallel but using Quality Center which is again a paid product.

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