Software Testing Assignment
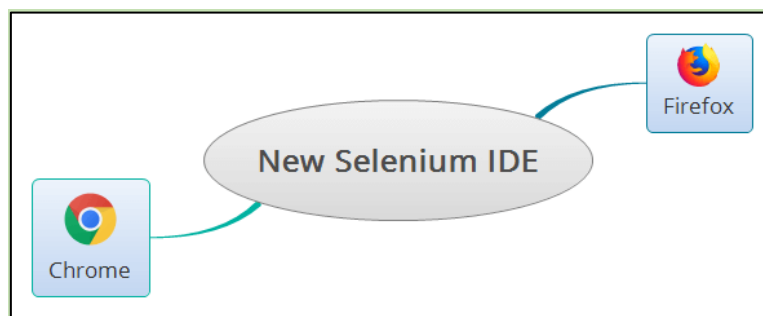
Module – 5 Selenium IDE

1. **What is Automation Testing?**

   Automated testing is the application of software tools to automate a human-driven manual process of reviewing and validating a software product.

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

   Browsers supported by Selenium IDE are Firefox and Chrome Browsers.

3. **What are the benefits of Automation Testing?**

   Benefits of Automation Testing :

   - Saving Costs.
   - Faster Feedback Loop.
   - Better Allocation of Resources.
   - Guarantees Higher Accuracy.
   - Increased Test Coverage.
   - Detects bugs earlier.
   - Test at Scale.
   - Increasing Employee Satisfaction and Retention.

4. **What are the advantages of Selenium?**

   Advantages of Selenium for Automated Testing

   1. Language and Framework Support
   2. Open Source Availability
   3. Multi-Browser Support
   4. Support Across Various Operations
   5. Ease of Implementation
   6. Reusability and Integrations
   7. Flexibility

8. Parallel test execution and faster market launch
9. Less Hardware Usage
10. Easy to Learn and Use

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

For beginners in automation testing, Selenium is generally recommended over QTP/UFT because it is free, open-source, and supports multiple programming languages. This makes it easier to learn and use Selenium, and it gives testers more flexibility in their choice of programming language.

Features	Selenium	QTP
Flexibility	Runs across all the browsers	Supports only Windows
License	Open-source	Licensed
Environment	Allows all additional plugins	Supports SAP, Oracle and includes no add-ons to the software
Browser Area Accessibility	Controls the visible area of the browser where the page is loaded	Controls the menu and toolbars of the browser and all other website toolkits with various formats
Programming Language	Supports mature Object-Oriented Languages like Java	Supports only VBScript. Thus, the Object-Oriented Approach to automation becomes challenging with QTP/UFT