

Selenium Training plan

Trainer – Srinivas K

| Sl no | Topics | Completion timeline |
|-----------|---|---------------------|
| I | Introduction to Selenium and setup Enviroments | |
| 1 | Introduction to Automation | Week1 |
| 2 | Introduction to Selenium and Tool Installation | Week1 |
| | 2.1 – Selenium Components | Week1 |
| | 2.2 -- Selenium IDE | Week1 |
| | 2.3 -- Selenium Webdriver | Week1 |
| | 2.4 – Applications and Browser support by Selenium | Week1 |
| 3 | Getting familiar with tool and Environment setup | Week1 |
| | 3.1 – Install and configure eclipse | Week1 |
| | 3.2 – Understanding perspectives | Week1 |
| | 3.3 – Creating new project | Week1 |
| | 3.4 -- import libraries required | Week1 |
| | 3.5 – Creating first script - launch and quit browser | Week1 |
| | 3.6 -- findElement - By id | Week1 |
| | 3.7 -- findElement - By name | Week1 |
| | 3.8 -- findElement - By classname | Week1 |
| | 3.9 -- findElement - By linkText | Week1 |
| | 3.10 -- findElement - By PartialLinkText | Week1 |
| | 3.11 -- findElement - By xpath | Week1 |
| | 3.12 -- findElement - By css Selector | Week1 |
| | 3.13 -- findElement - By TagName | Week1 |
| C1 | Check Point, Q&A Session. Exercise | |
| II | Selenium Intermediate | |
| 4 | Implicit and Explicit waits | Week2 |
| 5 | Actions/Action class | Week2 |
| | 5.1 – For Drag and drop | Week2 |

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| | 5.2 – For mouse actions | Week2 |
| | 5.3 – keyboard actions like TAB, ENTER | Week2 |
| 6 | Breakpoints, Debugging in Selenium | Week2 |
| | 6.1 – What is breakpoint? | Week2 |
| | 6.2 – Debug the script | Week2 |
| 7 | Working on Alerts | Week2 |
| | 7.1 – getText from alert | Week2 |
| | 7.2 – Confirm / Dismiss alert | Week2 |
| 8 | Working on windows / frame | Week2 |
| | 8.1 – work on multiple windows | Week2 |
| | 8.2 – work on frame switch frame, switch to default frame | Week2 |

C2 Check Point, Q&A Session. Exercise

IV Test NG

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|---|---|-------|
| 9 | 9.1 – What is Test NG? | Week3 |
| | 9.2 – Install Test NG in eclipse | Week3 |
| | 9.3 – Test NG Test case | Week3 |
| | 9.4 – What is Test suite | Week3 |
| | 9.5 – Test NG Annotations, groups and dependson | Week3 |
| | 9.6 – Test NG Prioritization and sequencing | Week3 |
| | 9.7 – Test NG reporters and Asserts | Week3 |
| | 9.8 – Test NG parameters and data provider | Week3 |
| | 9.9 – Test NG Data provider with excel | Week3 |

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| 9.10 – Multibrowser, cross browser and parallel testing using test ng | Week3 |
| 9.12 – Test NG Listeners | Week3 |
| 9.13 – Retry failed in Test NG | Week3 |
| 9.14 – Implement IRetryAnalyzer to retry failed test in Test NG framework | Week3 |

C3 Check Point, Q&A Session. Exercise

V Data driven testing

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|----|--|-------|
| 10 | 10.1 – Using properties file | Week3 |
| | 10.2 – Using excel file for read/write purpose | Week3 |
| | 10.3 – Connect to database | Week3 |

C4 Check Point, Q&A Session. Exercise

VI Framework

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|----|---------------------------------|-------|
| 11 | 11.1 – What is framework? | Week4 |
| | 11.2 – Capture screenshots | Week4 |
| | 11.3 – Page Object Model | Week4 |
| | 11.3 – Listeners in Selenium | Week4 |
| | 11.4 – Datadriven framework | Week4 |
| | 11.5 – Modular framework | Week4 |
| | 11.6 – Keyword driven framework | Week4 |

C4 Check Point, Q&A Session. Exercise

VI Advanced Topics

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| 12 | 12.1 – Using Sikuli for image capture | Week4 |
| | 12.2 – Using Auto IT | Week4 |
| | 12.3 – Using Robot class | Week4 |
| | 12.4 -- Introduction to Maven | Week4 |
| | 12.5 -- Selenium Grid | Week4 |

End of Training