
Selenium Testing

Mode: Classroom

Duration: 30 hours

This program will provide you with training on Selenium testing and help you work with this popular tool.

Pre-requisite: Knowledge of Core java and OOP

Mode: Classroom

Course Outline:

Introduction:

- Introduction of selenium
- Selenium components
- How differs from other automation tools
- Advantages of selenium
- Overview of Testing framework
- Overview of Eclipse

Selenium Architecture:

- Selenium RC Architecture
- Webdriver Architecture
- Webdriver vs. Selenium RC
- Brief explanation about advantages of webdriver

Locator Techniques:

- Introduction about locator concept
- Brief explanation of different locator techniques
- Xpath techniques explanation with different kind of real time scenarios

Selenium setup:

- Explanation of step by step instructions for setup
- Integration of eclipse and TestNG

WebDriver:

- Webdriver setup

- Detailed discussion about webdriver commands
- Handling different browsers
- Create our own methods in webdriver
- WebDriver Vs RC
- Download and Configure WebDriver with Eclipse
- Simple Testcase
- Open and Close Browser
- Cross Browser Testing – Firefox, IE ,Chrome
- UI elements ,Locators
- Identifying WebElement using id, name, link text, class, xpath, css
- Handling various WebElement using WebDriver
- Handling Mouse Hover and Drag & Drop

Testing Framework and Tools

- Use of File Upload Tool:Autoit
- Introduction of Testing framework
- Types of frameworks
- Tools for developing Test Framework
- TestNG introduction and Configuration with eclipse
- TestNG Annotations and Data Providers
- Creating Test Suit with TestNG
- Parallelsript execution
- Grouping the testcases

- Parameter configurations
- Report generation
- Assertions
- Verifications

Develop Data Driven Framework

- Read from and write data to excel sheet

Develop Page Object Model Framework

Concept of Hybrid Framework

- Developing Hybrid Framework for Web Application using WebDriver /TestNG and Maven
- Use external Data for Testing (Excel sheet , xml files, Property file)
- Reading and understanding reports
- Screenshots for failed Test case

Build Management Tool: Maven