

SELENIUM

Introduction

- What is automation testing?
- What we need to automate?
- What is selenium?

Different flavors of selenium

- IDE, Selenium-RC, Grid and Web Driver

Selenium IDE

- Selenium Overview
- Selenium IDE Introduction
- Installing Selenium IDE
- Recording Simple Test
- Running Simple Test
- Debugging Test
- Creating Selenium Test Suites
- Quick Tour of Selenium IDE - Simple Features
- Handling AJAX applications
- Selenium Commands

Locators

- Tools to identify elements/objects
- Firebug and IE Developer tools
- Google chrome Developer tools
- Locating elements by ID
- Finding elements by name, Link text, Xpath and CSS
- Selenium Test Runner
- Regular Expressions
- Creating selenium Test Suites
- Some Special IDE Commands
- Create Selenium IDE Script without Recording

Selenium Remote Control

- Download & Installing Selenium RC
- Running Selenium Scripts from cmd using Selenium RC
- Report generation for Selenium script

Testing Frame Work

- How to install TestNG piug in Eclipse
- TestNG Sample scripts and creating selenium script
- Creating Test suites & Report using Testing

Java Basics

- Installing Java and Eclipse
- Data Types Variables
- Conditional and Loops Statements
- Class and objects in Java
- Constructors, Inheritance & Interface
- Working With The Assertion
- Creating Packages
- Concept of JAR Files
- Log4j API and Usage in Selenium
- JDBC Concepts

Selenium RC Using Eclipse

- Set Up Selenium RC in Eclipse Using JUnit
- Start & Stop Selenium RC from Eclipse
- Converting Selenium IDE tests to Java
- Running Selenium Script with Eclipse & JUnit
- Writing Selenium tests using JUnit Frame work
- Report Using ANT Build & JUnit

Sample Programs in RC for:

- Text box, Link, Button, Checkbox, Radio Button, Drop Down Box and Capture Screen shot, Page scroll down,
- Handel Alerts
- How to Read values from excel Sheet
- Create JUnit suite, Reports and Tool tip

Selenium Web- Driver

- Down load & Configure Web Driver Jars in Eclipse
- Architecture of Selenium Web Driver
- Drivers for Fire Fox, IE, I phone, Android .etc.

Sample Programs in Web Driver

After the Course

1. Resume Preparation
2. Guidance to apply jobs
3. Written Test
4. Mock Interviews
5. Placement Assistance till you find a Job