

Selenium Syllabus

Automation Testing

What is Automation Testing

When Automation is needed

When Automation is not needed

Advantages of Automation Testing

Disadvantages of Automation Testing

What is the difference between various Automation Testing Tools

Introduction

Introduction of selenium

Selenium components

Factors – differs from other automation tools

Advantages

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[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

[About locator concept](#)

[Brief explanation of different locator techniques](#)

[Xpath techniques explanation with different kind of real time scenarios](#)

Selenium IDE

[Download and Installation](#)

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Record and playback techniques

Modifying the script using IDE

Convert the IDE script into RC script

Validate the locator value using IDE

Selenium setup

Explanation of step by step instructions for setup

Integration of eclipse and TestNG

Selenium RC

Start the selenium Selenium server

Basics of Annotations in Testng

Write the basic script of Selenium RC

How to execute the scripts (different ways) and look the results

Brief explanation of commands in selenium RC

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WebDriver

[Webdriver setup](#)

[Detailed discussion about webdriver commands](#)

[Handling different browsers](#)

[Create our own methods in webdriver](#)

[More programming techniques in webdriver](#)

[Using RC commands from webdriver project](#)

[Migration of selenium1 code to selenium2](#)

TestNG

[Brief about Testing framework and Testng](#)

[Annotation concept and different types](#)

[Testng Configuration](#)

[Suite execution from command prompt without eclipse](#)

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Parallel script execution

Grouping the testcases

Parameter configurations

Suite creation methodology

Report generation

Assertions

Verifications

Listeners in Testng

Create customized report using Testng & Java

AutoIT

Need of AutoIT tool

Basics of AutoIT tool and create simple script

Converting AU3 file to exe file

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Calling AutoIT script from selenium project

Selenium Grid

Introduction of selenium Grid

Installation and setup of Hub and node

Script changes for Selenium grid execution

Simple script execution using grid

Parallel execution using grid



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