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SELENIUM TRAINING

SELENIUM TRAINING ONLINE AND CLASSROOM

Selenium is a set of tools which supports instant development of test automation for web based applications. It has the option of record/playback tool for writing tests without a need of test scripting language. It supports multiple browsers and multiple platforms. It also provides a Domain Specific Language

SELENIUM COURSE MODULES

INTRODUCTION

- ✓ What Is Automation Testing?
- ✓ What Is Selenium?
- ✓ Different Flavors Of Selenium
- ✓ Selenium-Grid
- ✓ What Is The Use Of Automation Testing?
- ✓ Advantages Of Selenium
- ✓ IDE
- ✓ Selenium Web Driver/Selenium 2.0
- ✓ What We Need To Automate?
- ✓ What Is The Difference Between Selenium And QTP ?
- ✓ Selenium-RC

SELENIUM IDE

- ✓ Installing Selenium IDE
- ✓ Selenium IDE Icons
- ✓ Recording Your First Test With Selenium IDE
- ✓ IDE Context Menu
- ✓ Assert
- ✓ Verify
- ✓ Adding Selenium IDE Comments
- ✓ Synchronization Commands
- ✓ Working On Pages With AJAX
- ✓ Storing Elements
- ✓ Creating Test Suites
- ✓ What You Cannot Record

LOCATORS

- ✓ Tools To Identify Elements/Objects
- ✓ Firebug
- ✓ IE Developer Tools
- ✓ Google Chrome Developer Tools
- ✓ Locating Elements By ID
- ✓ Finding Elements By Name
- ✓ Finding Elements By Link Text
- ✓ Finding Elements By XPath
- ✓ Finding Elements By Using CSS
- ✓ Summary

SOME SPECIAL IDE COMMANDS

- ✓ GoBack
- ✓ Refresh
- ✓ Enterkey Simulation
- ✓ MouseOver
- ✓ Highlight
- ✓ Write Your Own Selenium IDE Script Without Record And Playback

SELENIUM REMOTE CONTROL

- ✓ What Is Selenium Remote Control
- ✓ Download Selenium RC
- ✓ Installing Selenium RC
- ✓ Starting Selenium Server From Command Prompt
- ✓ Stopping Selenium Server From Command Prompt And Browser
- ✓ Running Selenium Scripts/Tests From Command Prompt Using Selenium RC
- ✓ Report Generation For Selenium Scripts

JAVA BASICS

- ✓ Installing Java
- ✓ Installing Eclipse
- ✓ Features Of Java
- ✓ Why Java For Selenium
- ✓ First Java Program
- ✓ Data Types In Java
- ✓ String Class
- ✓ If Statements
- ✓ Conditional And Concatenation Operators
- ✓ Reading Properties File In Java
- ✓ Concept Of Jar File
- ✓ While Loop
- ✓ For Loops
- ✓ Practical Examples With Loops
- ✓ Usage Of Loops In Selenium
- ✓ Creating Objects In Java
- ✓ Local Variables
- ✓ Global Variables
- ✓ Why Is Main Method Static?
- ✓ Constructors
- ✓ Log4j API For Logging
- ✓ Concept Of Inheritance
- ✓ Example On Inheritance
- ✓ Interface
- ✓ Overloading And Overriding Functions
- ✓ Creating Packages
- ✓ Accessing Modifiers Public, Private, Default, Protected
- ✓ Exception Handling With Try Catch Block
- ✓ Final And Finally
- ✓ Usage Of Log4J In Selenium

SELENIUM RC USING ECLIPSE:-

- ✓ Set Up Selenium RC In Eclipse Using JUnit
- ✓ Starting Selenium RC From Eclipse
- ✓ Stopping Selenium RC From Eclipse
- ✓ Start And Stop Selenium RC From Selenium Script
- ✓ Converting Selenium IDE Tests To A Programming Language(JAVA)
- ✓ Running Selenium Script In Different Browsers With Eclipse And JUNIT.
- ✓ Writing Selenium Tests From Scratch Using JUnit Framework
- ✓ JUNIT Annotations
- ✓ JUNIT Methods
- ✓ Frequently Used Selenium Commands
- ✓ Syntax Of Each Command
- ✓ Test Suites Using JUNIT
- ✓ Parameterized Test Cases Using JUnit Framework
- ✓ Report Using ANT Build And JUNIT

SAMPLE PROGRAMS IN RC FOR:-

- ✓ Text Box
- ✓ Link
- ✓ Button
- ✓ CheckBox
- ✓ Radio Button
- ✓ Drop Down Box
- ✓ Capture Screen Shot(Positive)
- ✓ Capture Screen Shot(With Failure)
- ✓ Page Scroll Down
- ✓ Handle Alerts
- ✓ How To Read Values From Excel Sheet.
- ✓ Create A JUNIT Suite.
- ✓ Reports
- ✓ Tool Tip.
- ✓ Handling Multiple Windows.
- ✓ Selenium With Regular Expression.
- ✓ Handling Https Sites.

TESTNG FRAMEWORK

- ✓ How To Install TestNG Plugin In Eclipse?
- ✓ TestNG Sample Script
- ✓ Writing Selenium Testing Script From Scratch
- ✓ Creating Test Suites Using TestNG
- ✓ Reports Generation Using TestNG

SELENIUM WEB-DRIVER

- ✓ Why WebDriver?
- ✓ Downloading WebDriver Jars Configuring In Eclipse
- ✓ Architecture Of Selenium WebDriver
- ✓ Drivers For Firefox, IE, Chrome, iPhone, Android Etc
- ✓ What Is The Difference Between Selenium RC And WD?
- ✓ Sample Programs In WebDriver
- ✓ Text Box
- ✓ Link
- ✓ Button
- ✓ Checkbox
- ✓ Radio Button
- ✓ Drop Down Box
- ✓ Select Value
- ✓ Display All Values
- ✓ Select Values Step By Step
- ✓ Capture Screenshots
- ✓ Synchronization Commands In Web Driver
- ✓ Implicit Wait
- ✓ Explicit Wait
- ✓ Web Driver Wait
- ✓ File Uploads
- ✓ Handel On Load Alerts
- ✓ Keyboard Actions
- ✓ Mouse Actions
- ✓ Handling Iframes
- ✓ Handling Multiple Tabs
- ✓ Handling Popups
- ✓ Handling Web Tables And Dynamic Web Tables
- ✓ Web Driver With TEST NG Frame Work
- ✓ Batch Running Test Cases Using TestNG
- ✓ Datadriven Framework With WebDriver
- ✓ XSLT Report Generation
- ✓ Database Testing Using Web Driver
- ✓ Overview Of Flex And Flash
- ✓ User Defined Framework With Implementation

INTERVIEW QUESTIONS ON

- ✓ Selenium IDE
- ✓ Selenium RC
- ✓ Selenium WebDriver And Automation Testing