PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: Selenium WebDriver Java	**Course Duration**: 5.0 Days
Exam: Not Included	**Exam Type**: No Exam
Qualification: No Certificate	

Course Syllabus

Our Selenium WebDriver Java training course will cover the following topics:

Installation & Project Setup

How to install Selenium WebDriver Java, JUnit, JDK, Eclipse & Maven, and other useful tools. Creating a Maven project.

Introducing WebDriver

How to write a simple automation script in WebDriver within a standard java Class

Recording

Creating a WebDriver & JUnit script via recording (Selenium IDE)

Object Identification

Element locator strategies, using simple techniques

Object Identification using CSS & XPath

More complex locator strategies using CSS & XPath notation.

Synchronisation & Debugging

Implicit and Explicit Waits explained, debugging your test scripts.

WebDriver with JUnit

Overview of the JUnit key words.

Using the correct WebDriver methods.

Using the correct validation techniques. Using JUnit Test Suites

Helpers & Base Classes

Code re-use through Helper Methods and Base Classes.

Introducing Page Objects (POM)

Introduction to why we do it and how it makes life easier. Refactoring our tests using the PageFactory. Developing your own POM

Command Line & Reporting

Command Line execution with Maven, Passing Parameters, Taking Screenshots, Using Surefire Reporting, 3rd Party Reporting tools.

Data-Driven Testing

In-line and external data sources, data-driving your tests.

Cross-Browser & Selenium Server

Executing tests remotely using Selenium Server/Grid, Cross-Browser Testing

Integration

Integration with source control (Git & GitHub), integration with Jenkins and automating Test execution

Course Overview

Selenium WebDriver has become the standard tool for automated web testing. It has received an endorsement from W3C (World Wide Web Consortium), the community which works on web standards development and Selenium 4 is W3C compliant.

Our five-day Selenium WebDriver Java training course is very comprehensive and covers all you need to know about Selenium WebDriver Java. It includes in-depth topics on locators (critical to reliable tests), Page Object Models, integration into CI tools. It also covers topics on Selenium Grid/Server and Selenium IDE.

Course Learning Outcomes

Our Selenium WebDriver Java training course is available as on-site training at your location or as online training. Our online training is live, instructor-led in our virtual classroom. Our Selenium WebDriver Java training course is delivered over five-days, with each approximately 3.5 hours online. It can be delivered to up to 10 staff members from your organisation.

Audience

Our Selenium WebDriver Java training course is recommended for anyone new to Selenium.

Entry-Level Requirements

Our Selenium WebDriver Java training course has the following entry-level requirements:

- A basic understanding of HTML and how web pages are developed
- Some programming experience would be advantageous but not essential

Recommended Reading

There is no recommended reading associated with our Selenium WebDriver Java training course.

What's Included

You will receive comprehensive workbooks for our Selenium WebDriver Java training course.

Exam Information

There is no formal examination or certification associated with our Selenium WebDriver Java training course.

What's Next

Purple Griffon offer the following private virtual sessions for your team. Our Automated Software Testing training courses can be delivered on-site at your location or online for up to ten people:

- Complete Microfocus UFT
- Selenium WebDriver #C
- Selenium WebDriver JavaScript
- Cypress Introduction
- Cucumber Java
- Cucumber JavaScript
- SpecFlow

Call +44 (0)1539 736 828 now to discuss your training requirements and to book your sessions in the diary.

Additional Information

Our Selenium WebDriver Java training course will take you from beginner through to writing effective automated tests in Selenium WebDriver.

You can also integrate Selenium WebDriver into a huge variety of frameworks such as Cucumber, SpecFlow, Mocha etc, as well as testing frameworks such as NUnit, xUnit, JUnit, MSTest etc., and use your choice of assertion libraries. It also integrates very easily into Continuous Integration Tools such as Jenkins, Azure DevOps, TeamCity etc.