

Selenium 2 WebDriver With Java

Learn to automate the testing of websites based on real-world techniques and experiences using the Selenium WebDriver API. This eLearning course focuses on the information you need to get productive with Selenium WebDriver.

- An experienced practitioner teaches you to use Selenium Webdriver
- Master real-world techniques with Selenium WebDriver API
- Learn by doing with an additional six hours of self-learning exercises

Selenium WebDriver is the web automation tool of the moment, and its skills are in demand. When you understand Selenium WebDriver usage patterns, you can increase your ability to write efficient automation code.

In this course, you will learn via real world techniques associated with the Selenium WebDriver API, based on the experience of using Selenium WebDriver to automate production websites. This course focuses on the information you need to get productive with Selenium WebDriver. It does not cover Selenium IDE because you won't use that in a production environment. The course emphasizes and demonstrates self-learning strategies so that you don't just learn the Selenium WebDriver API in depth; you also learn how to discover more on your own.

About the Course Instructor

Alan Richardson has been working with Selenium since 2007 and WebDriver since 2010. Over the years he has helped his staff learn Selenium using the methods in this course: discussing the theory, showing examples, hands-on work, then critique and code reviews of worked examples.

About the Course

We have taken three days of course material and created complete video instruction. Learn from an additional six hours of self-learning exercises. Before you sign up for the course, make sure you take advantage of supplementary information provide for free. In addition to

the lectures and exercises, there is also over 200 slides to aid your self-study and 4,500 lines of code to study (calculated using Metrics Reloaded). Your work will be support as you go through the course, and if you need any additional explanation or have a question, you can ask in the comments section. We will answer, and even create new videos showing the answers and then add them to the course.

Course Outline:

Introduction

Installing JDK, Maven, Firefox IntelliJ

Setup instructions for Windows

Setup Instructions for Mac

Writing your first @Test method

Running Tests from IntelliJ

Source code for all exercises and examples

Creating your project with IntelliJ

Overview of Maven

Maven troubleshooting FAQs

IntelliJ Hints and Tips

JUnit

JUnit overview

Hamcrest overview

Shared setup and teardown for tests with @Before and @After annotations

JUnit Suites

Basic Selenium WebDriver

Automating with real browsers

Navigating web applications

Finding Elements on a page

Interrogating elements

Working with HTML Technologies

Handling Alerts

Working with Frames

Navigating between windows and tabs

Manipulating Window sizes

Dealing with Cookies

Creating your own Cookies

Working with Selenium WebDriver

CSS Selectors

XPath Selectors

Clicking and interacting with HTML elements

WebDriver Support classes

User Interactions

Taking Screenshots

Synchronisation - making your test code robust

Implicit Waits

Coding Explicit Waits

Using ExpectedConditions Support class

Writing Custom Wait Conditions

Refactoring synchronisation code

Using JavaScript on the Page

Using custom JavaScript with WebDriver

Working with different browsers - Firefox, Chrome

Headless Browsers

Selenium Grid - working with multiple machines

Using the Remote WebDriver

Using a local Selenium Grid

Working with Cloud Grid Providers

Advanced WebDriver

Driver Managers for simple configuration

Page Objects

Running in Continuous Integration

Cross Browser Testing overview

Production Tricks and Tips

Class Schedule:

- Self-paced format
- Learners have unlimited access to online content.

Price:

\$299

Course Fee Includes:

- Access to expert test consultants and administrator
 - Powerful multi-media format which includes course materials
 - Interactive exercises
 - Letter of completion
-