Web Testing with Selenium

Audience Course Web Testing with Selenium
The course Web Testing with Selenium is intended for testers and developers who want to learn Selenium Webdriver for the automated testing of Web Applications.

Prerequisites Web Testing with Selenium
To participate in this course experience with programming is not strictly necessary. Knowledge of programming is beneficial for the understanding and can be obtained by participating in our course **Java for Testers** course.

Realization Training Web Testing with Selenium
The theory is discussed on the basis of presentation slides. Demos are used to illustrate the theory. There is ample opportunity to practice. The course material is in English.

Certification Web Testing with Selenium
Participants receive an official certificate Web Testing with Selenium after successful completion of the course.

Duration: 2 days   **Price: € 1399**

Open Schedule

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Content Course Web Testing with Selenium

In the course Web Testing with Selenium participants learn to work with Selenium WebDriver and Selenium IDE to control web applications automatically in different browsers. Selenium is an open source tool used for automating web application testing. Selenium is typically used in conjunction with test frameworks such as JUnit or TestNG for assertion and reporting facilities.

Selenium WebDriver
Via scripts in programming languages such as Java, C #, Python and Ruby the real outcomes of certain actions can be compared with the expected outcomes and the results can be reported.

Selenium IDE
The course Web Testing with Selenium starts with recording user interaction with the Selenium IDE. The recorded test is then translated to a JUnit test script in Java or another programming language that automatically carries out the test.

Element Localisation
Topics in the course Web Testing with Selenium are the localization of page elements with id, name, link, CSS and XPath. The most common WebDriver functions are explained and applied. Navigating and manipulating page elements is also discussed.

Advanced Selenium
And also Advanced Web Driver functions such as adjusting wait time, the Page Object Model, Selenium Grid and Cross Browser Testing are discussed.

Cucumber Integratie
Finally in the course Web Testing with Selenium the integration of Selenium and the Cucumber Framework will be discussed. With Cucumber User Scenarios can be defined that can be translated to a JUnit Test with Selenium WebDriver.

Modules Course Web Testing with Selenium

Module 1 : Selenium Intro	Module 2 : Locating Elements	Module 3 : WebDriver Actions
What is Selenium?	Loading WebDriver	WebDriver Functions
Test Automation	Web Elements	Actions on WebElements
Selenium WebDriver	Finding Elements	Clicking Check Boxes
Test Recorders	Locator Types	Clicking Radio Buttons
Chrome Selenium IDE	Locating by ID and Name	Getting Attributes
Katalon Recorder	Locating by Link Text	Sending Keys
Selenium IDE	Locating by CSS Selector	State Testing
Record Test Case	Tag, ID and Class	Clearing
Running Scripts	Tag and Attribute	Submitting
Adding Checks	Inner Text	Select Items
Verification Commands	Locating by DOM	Table Lookup
Assertion Statements	DOM getElementsByID	Get CCS
General Selenese Commands	DOM getElementsByName	Get Location
WaitFor Commands	Dom Name and Index	Actions Class
Store and Echo Commands	Locating by XPath	Switching Windows
IDE Limitations	XPath Syntax	Waiting for Loading
Module 4 : JUnit Testing	**Module 5 : Advanced Web Driver**	**Module 6 : Selenium and Cucumber**
What is JUnit?	WebDriverWait	Test Driven Development
JUnit Integration	Implicit vs Explicit Wait	Behavior Driven Development
Assert Statements	ExpectedConditions	What is Cucumber?
Running JUnit Tests	Dealing with Alerts	User Stories
JUnit Classes	Synchronisation Strategies	Scenarios
System Under Test	Cookies	Feature Files
Fixtures	Page Object Model	Gherkin Language
Annotations	Page Objects	Given and When Keywords
Test Suites	private Methods	Then and And Keywords
Suite in Suite	Page Factory	Background
Suite TestRunner	Loadable Components	Cucumber Options
Special Case	Selenium Grid	Step Definitions
Parameterized Tests	Hub and Nodes	Selenium Cucumber Integration
Executing Parameterized Tests	Cross Browser Testing	Data Driven Testing

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