



Manual Web Testing with Selenium (TT3611)

Quick Start to Testing Web Applications with Selenium, using Katalon Recorder

www.triveratech.com

Course Snapshot

- **Course: Manual Web Testing with Selenium (TT3611)**
- **Duration:** 1 day
- **Skill Level:** Introductory
- **Audience:** Experienced Web Developers or Test Engineers.
- **Hands-on Learning:** This course is approximately **50% hands-on**, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Student machines are required.
- **Language:** This course examples are in Java. This course is also available for Node.JS and .Net. Please inquire for details.
- **Delivery Options:** This course is available for **onsite private classroom presentation, live online virtual presentation**, or can be presented in a **flexible blended learning format** for combined onsite and remote attendees. Please also ask about our **Self-Paced / Video** or **QuickSkills / Short Course** options.
- **Public Schedule:** This course has active dates on our live-online open enrollment **Public Schedule**.
- **Customizable:** This course agenda, topics and labs can be further adjusted to target your specific training skills objectives, tools and learning goals. Please inquire for details.



Overview

Selenium provides mechanisms for interacting with web pages through browsers, including locating and interacting with specific features within a web interface. A tool such as Selenium IDE or Katalon can be used to perform the testing in a relatively manual fashion. Selenium also comes with WebDriver, which provides a programmatic interface (API) for controlling and managing Selenium tests and interactions. WebDriver provides a mechanism for capturing and repeating tests with a web interface.

Manual Web Testing with Selenium is a hands-on web testing course, essential for experienced web developers and test engineers who need to verify web applications. This course introduces the student to the concepts and techniques of testing Web Application with the Selenium, as well as working with Katalon and Selenese.

To use WebDriver, developers must work with a programming language such as Java to control and manage the testing. It would be helpful if students have some basic Java syntax knowledge. Participants without coding skills are welcome to follow along with the hands-on labs and input solutions.

Learning Objectives

Students will leave this course armed with the skills required to recognize how to test web applications for sufficiency. This course uses Selenium and Katalon to design and implement tests, working through a sample Web Application that requires several testing scenarios.

Working in a hands-on learning environment guided by our expert team, attendees will learn to:

- Understand web page testing needs and how Selenium meets those needs
- Analyze a web application from a functional and testing perspective
- Design, code, and run manual tests using the Katalon Recorder
- Use Selenium constructs to locate elements on a web page
- Test web page forms and the elements in those forms
- Use test suites to organize and manage tests

Need different skills or topics? If your team requires different topics or tools, additional skills or custom approach, this course may be further adjusted to accommodate. We offer additional testing, Selenium, Cucumber, Gherkin, Python, TDD, BDD, programming, testing tools, test automation, QA, services, security and other related topics that may be blended with this course for a track that best suits your needs. Our team will collaborate with you to understand your needs and will target the course to focus on your specific learning objectives and goals.

Audience & Pre-Requisites

This is an **introductory -level** Selenium course, designed for experienced web developers that are familiar with web technologies (such as HTML5, CSS, and JavaScript), who wish to get up and running on testing web applications. Ideally students should have approximately 6 months to a year of web development working knowledge.

Related Courses

- TT2190 Basic Java Syntax Primer for Selenium Users / Non-Developers (QA, Testers,) (2 days)
- TT3610 Introduction to Selenium | Selenium Web Testing (3 days)
- TT3611 Manual Web Testing with Selenium (1 day)
- TT3612 Automated Web Testing with Selenium WebDriver (3 days)
- TT3618 Test Automation Fundamentals: Selenium, Cucumber, Gherkin and Maven (5 days)
- TT3619 Remote Test Automation with Selenium Grid
- TT3620 Parallel Web Testing with Selenium Grid & Docker
- TT3650 Cucumber Essentials – Introduction to Cucumber (2 days)
- TT3654 Test Automation with BDD using Cucumber, Gherkin, Selenium & More (4 days)
- TT3540 Agile Continuous Integration, Testing, and Deployment (CI, Refactoring, GIT, BitBucket & More) (3 days)

Next Steps / Follow-On Training: We offer an extensive list **Web Testing, Test Automation, Selenium, Unit Testing** and other related hands-on, skills-focused courses. Please contact us for recommendations for next steps in your learning journey based on your unique needs and goals.

Enhanced Learning Services: Please also ask about our **Pre-Training Class OnRamp & Prep / Primer** offerings, **Skills Gap Assessment Services, Case Studies, Knowledge Check Quizzes, Skills Immersion Programs & Camps, Collaborative Mentoring Services** and **Extended Learning Support & Post Training** services.

Course Topics / Agenda

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We will work with you to tune this course and level of coverage to target the skills you need most. Topics, agenda and labs are subject to change, and may adjust during live delivery based on audience needs and skill-level.

Session: Selenium Basics

Lesson: Introduction to Selenium

- Selenium Concepts and Terminology
- Manual Testing using Selenium and the Katalon Recorder
- Automated Testing using Selenium WebDriver
- [Lab: Running the Web Application](#)

Lesson: Using the Katalon Recorder

- Start Katalon Recorder
- Understand the components of Katalon Recorder
- Use Web Developer Inspector to inspect elements in a web page
- [Lab: Analyzing the Web Application](#)

Lesson: Creating and Running a Manual Test

- Testing planning and Test Plans
- Use Katalon Recorder to create and run a manual test
- Understand the Katalon Recorder components
- Page Transitions and Globbing
- [Lab: Creating and Running a Manual Test](#)
- [Lab: Testing Alerts](#)

Session: Testing with Katalon Recorder and Selenium

Lesson: Selenium Locators

- Finding Spots on Web Pages
- Built-In Locators
- Find by HTML Features
- Find using CSS
- Find using XPath and the DOM
- [Lab: Working with Locators](#)

Lesson: Selenese

- Selenese Overview
- Selenese Commands
- Action Commands
- Accessor Commands
- Assertion Commands
- [Lab: Working with Selenese](#)

Lesson: Forms

- Selenese Commands for Working with Forms
- Form Actions
- Text Form Actions
- Keys
- Button Form Actions
- Other Actions
- [Lab: Testing Forms](#)

Lesson: Test Suites

- Group manual tests into test suites
- Create test suites when creating tests

- Importing tests created with the Selenium IDE
 - [Lab: Test Suites](#)
- Lesson: Exporting Manual Tests**
- Export a manual test to a WebDriver Java test
 - Export process and options
- Establishing test naming conventions
 - [Lab: Exporting a Manual Test to WebDriver](#)

Course Materials: Each student will receive a **Student Guide** with course notes, code samples, software tutorials, step-by-step written lab instructions, diagrams and related reference materials and links (as applicable). Students will also receive the project files (or code, if applicable) and solutions required for the hands-on work.

Hands-on Setup Made Simple! Our dedicated tech team will work with you to **ensure your student machines and learning environment is setup, tested and ready to go** well in advance of the course delivery date, ensuring a smooth start to class and seamless hands-on experience for your students. We offer several flexible student machine setup options including **guided manual set up** for simple installation directly on student machines, or **cloud based / remote hosted lab solutions** where students can log in to a complete separate lab environment minus any installations, or we can supply **complete turn-key, pre-loaded equipment** to bring ready-to-go student machines to your students or in-person facility. Please inquire for details.

For More Information

Need dedicated training? All courses can be presented **onsite** or **online**, or in a **combined / flex / blended learning format**, tailored to target your specific audience, needs and learning goals. We also offer focused, flexible **short courses, self-paced learning options, recorded sessions** and more. We train beginner to advanced skills in all areas we cover, and offer **New Hire / Cohort Training, Boot Camps, Skills Immersion Programs, Reskilling Programs, Skills Migration & Transition Programs**, and more. We collaborate with you to ensure all courses are truly targeted to meet your specific needs and learning skills, maximizing your valuable training time, as well as your important budget.

Please also visit our extensive **Public Training Schedule** for training for smaller groups or individuals. Please contact us for course details, **Corporate Rates** and **Special Discount Offers**.

For more information about our dedicated training services, collaborative mentoring services, courseware licensing options, courseware development services, public course schedule, training management services, partner and reseller programs, or to see our complete list of course offerings and special offers please visit us at www.triveratech.com, email Info@triveratech.com or call us toll free at **844-475-4559**. Our pricing and services are always satisfaction guaranteed.

TRIVERA TECHNOLOGIES • Collaborative IT Training, Coaching & Courseware Solutions
www.triveratech.com • toll free +1-844-475-4559 • Info@triveratech.com • Twitter TriveraTech

ONSITE, ONLINE & BLENDED TRAINING SOLUTIONS | PUBLIC / OPEN ENROLLMENT COURSES | COURSEWARE LICENSING & DEVELOPMENT
MENTORING | ASSESSMENTS | LEARNING PLAN DEVELOPMENT | SKILLS IMMERSION PROGRAMS / RESKILLING / NEW HIRE / BOOT CAMPS
PARTNER & RESELLER PROGRAMS | CORPORATE TRAINING MANAGEMENT | VENDOR MANAGEMENT SERVICES

Trivera Technologies is a Woman-Owned Small-Business Firm

Explore Trivera's Way to Learn....

