

# Efficient Software Testing

## Test Automation with Selenium

Selenium has established itself as the leading tool for the test automation of web applications. Thanks to its open source basis and large community, it offers a flexible and versatile solution for different testing requirements. In this intensive course, participants will learn the basics of test automation with Selenium - from the setup and design of robust tests to integration into CI/CD environments (Continuous Integration/Continuous Deployment).

Testers can use Selenium to automatically navigate web applications, fill out forms and simulate various user interactions. This course focuses on the core features of Selenium, provides hands-on exercises, and teaches best practices for developing maintainable and efficient tests.

### Course Contents

- Selenium basics: architecture, installation, WebDriver API
- Web technologies: HTML, CSS, DOM
- Element localization: XPath, CSS selectors
- Interactions with websites: Forms, alerts, iFrames
- Robustness of the tests: exception handling, logging, waits
- Test design: Page Object Model (POM)
- Test automation and CI/CD: reporting, integration in Jenkins and GitLab CI
- Cross-browser testing and extensions: Introduction to Selenide and cross-browser testing

**E-Book** You will receive the comprehensive documentation package of the ExperTeach Networking series – printed documentation, e-book, and personalized PDF! As online participant, you will receive the e-book and the personalized PDF.

### Target Group

This course is aimed at software testers, developers and quality assurance professionals who want to develop their test automation skills with Selenium.

### Prerequisites

You should have basic programming skills, ideally in a language such as Python, Java or another common programming language. A basic understanding of web technologies (HTML, CSS, DOM) is helpful to understand how web applications work.

### This Course in the Web



You can find the up-to-date information and options for ordering under the following link:  
[www.expertech-training.com/go/TSTA](http://www.expertech-training.com/go/TSTA)

### Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

### Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

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## Our Training Offer for You:



### Classroom Training

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### Online Training

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### Hybrid Training

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Ceresstraat 1 · 4811 CA Breda · Phone: +49 6074 4868-0 · Fax: +49 6074 4868-109 · info@experteach.de · www.experteach-training.com