



Selenium Test Automation: From the Ground Up

- Understand the role and benefits of automation
- Learn the fundamentals of automating browsers with Selenium
- Learn how the principles of Object Oriented programming can be used to improve testing
- Understand how to apply automation to solving your testing challenges

Agile and automation are now playing an increasingly important role in the evolution of software development, and it's now more critical than ever for testing to keep pace with the shorter development cycles. Selenium is a popular open source browser automation tool which helps test teams increase the speed and quality of testing. This course provides those in testing and development roles the foundational skills required to leverage Selenium in order to write meaningful automated tests using sustainable methodologies.

Who Should Attend

This course is designed for those in software testing roles and developers interested in adopting test automation with Selenium. Attendees should have some familiarity with programming languages and concepts.

Course Prerequisites

- Some programming experience is required
- Suitable laptop with administrator privileges
- Installed Java JDK
- Installed IDE of your choice (IntelliJ or Eclipse)

This class will have pre-class instructions that involve downloading certain programs that will be needed for the hands-on exercises. These instructions will be provided to you after your registration is completed. If you have any concerns about the specific programs involved, please feel free to reach out to our [Client Support team](#)^[1].

Course Outline:

Introduction

Understanding the Web

What is the Domain Object Model (DOM)?

Anatomy of the DOM structure

Locating web elements

Exercise

WebDriver

Types of UI automation

WebDriver commands

Tooling

Record and Playback

Tooling Choices

Limitations

Troubleshooting and Debugging

Kantu

Exercise

Selenium

Selenium tools

Selenium WebDriver

Exercise

Advanced Selenium

Exercise

Selenified

What is Selenified?

Why use Selenified?

Exercise

Writing Effective Tests

Basic Selenium steps

Overall test automation best practices

Exercise

Mobile Web compatibility

Exercise

Parameterized Testing

Exercise

Separate Selenium class tips

Distributed Testing

Selenium Grid

Configuring Selenium Grid Node

Demonstration

Wrap Up

Additional resources

Class Schedule:

Day 1: 12:30pm-4:30pm ET/9:30am-1:30pm PT

Day 2: 12:30pm-4:30pm ET/9:30am-1:30pm PT

Day 3: 12:30pm-4:30pm ET/9:30am-1:30pm PT

Price:

\$1495

Course Fee Includes:

- Easy course access: Attend training right from your computer and easily connect your audio via computer or phone. Easy and quick access fits today's working style and eliminates expensive travel and long days in the classroom.
- Live, expert instruction: Instructors are sought-after practitioners, highly-experienced in the industry who deliver a professional learning experience in real-time.
- Valuable course materials: Courses cover the same professional content as our classroom training, and students have direct access to valuable materials.
- Rich virtual learning environment: A variety of tools are built in to the learning platform to engage learners through dynamic delivery and to facilitate a multi-directional flow of information.
- Hands-on exercises: An essential component to any learning experience is applying what you have learned. Using the latest technology, your instructor can provide hands-on exercises, group activities, and breakout sessions.
- Real-time communication: Communicate real-time directly with the instructor. Ask questions, provide comments, and participate in the class discussions.
- Peer interaction: Networking with peers has always been a valuable part of any classroom training. Live Virtual training gives you the opportunity to interact with and learn from the other attendees during breakout sessions, course lecture, and Q&A.
- Convenient schedule: Course instruction is divided into modules no longer than four hours per day. This schedule makes it easy to get the training you need without taking days out of the office and setting aside projects.
- Small class size: Live Virtual courses are limited in small class size to ensure an opportunity for personal interaction.

Upcoming Dates:

Virtual Classroom	September 10–September 12, 2019	\$1495.00
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