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 Selenfied?
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:
Sign-In/Registration 7:30 - 8:30 a.m.
Morning Session 8:30 a.m. - 12:00 p.m.
Lunch 12:00 - 1:00 p.m.
Afternoon Session 1:00 - 5:00 p.m.
Times represent the typical daily schedule. Please confirm your schedule at registration.

Price:

$1545

Course Fee Includes:
- Tuition
- Course notebook
- Continental breakfasts and refreshment breaks
- Lunches
- Letter of completion

Upcoming Dates:

Anaheim	September 29–September 30, 2019	$1545.00