

1-day Live Online Training

 (2 - 8)



Web test automation with Selenium WebDriver

Learn with Zhimin Zhan



Author
of 9 test automation books

Speaker
at intl testing conferences

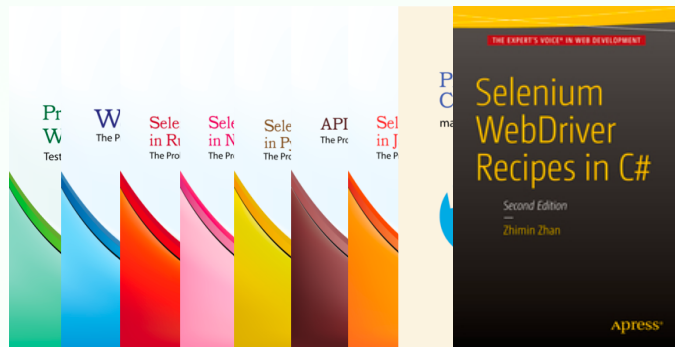
Winner
of intl software award



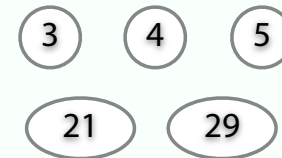
**Practical
Effective
Hands-on
Fun!**

Instructor: Zhimin Zhan

Author of 10 books on test automation and Continuous Testing



Rankings as of 2019-06



Speaker at international software testing conferences, incl. StarWEST

Winner of the runner-up prize at 10th Ruby Award (Japan, 2018)



Creator of highly acclaimed TestWise and BuildWise

Developing/maintaining automated tests on a daily basis **since 2006**

Objective

Participants feel confident to develop Selenium WebDriver test scripts for work the next day after training, with the knowledge of:

- 📌 Selenium WebDriver and RSpec syntax
- 📌 Common reasons why test automation attempts failed
- 📌 Maintainable test design
- 📌 Test Refactoring
- 📌 Debugging test errors efficiently ...

Sounds ambitious? In fact, we suggest participants providing a real work test scenario to work on in the training class.

Test scripts will be 100% pure Selenium WebDriver in highly maintainable form, and are easy to integrate with CI/CD process.

|| Audience

Main Audience

- 📌 Test Automation Engineers (SET)
- 📌 Manual Testers
- 📌 Programmers
- 📌 Test managers

As test automation is becoming essential in Agile/DevOps, management personnel will find it useful too:

- 📌 Architects / Tech Leads
- 📌 Project Managers
- 📌 Business Analysts
- 📌 Tech. executives

Teaching Method

We use Zoom for our Live Online Training.

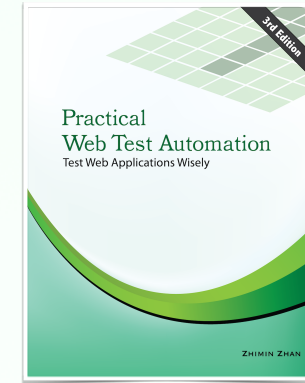
Training will be delivered in a mixture of the followings:

- 🎤 Presentation
- 🎤 Video demonstrations
- 🎤 Live demonstrations
- 🎤 Hands-on exercises, participants develop/debug test scripts under the instructor's mentoring
- 🎤 Q & A

Screen sharing and remote control (in Zoom) are used.

Proven Content

Zhimin has conducted numerous Selenium training at various organisations and conference workshops. He has summarised his experiences into a highly acclaimed book: "[Practical Web Test Automation](#)".



Test Scripts

- 100% pure Selenium WebDriver syntax
- In a highly maintainable form, e.g. Page Object Model

Skills & Techniques

- Maintainable Test Design
- Functional test refactoring, pioneered by Zhimin (presented at StarWest)
- Efficient Selenium Scripting (not record-n-playback)
- Effective debugging, e.g. run selected test steps against current browser

Tools and Material Provided



Software:

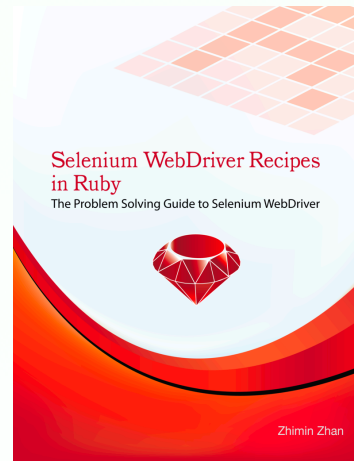


online bookings

TestWise 6 month personal license valued at \$180



2 eBooks:

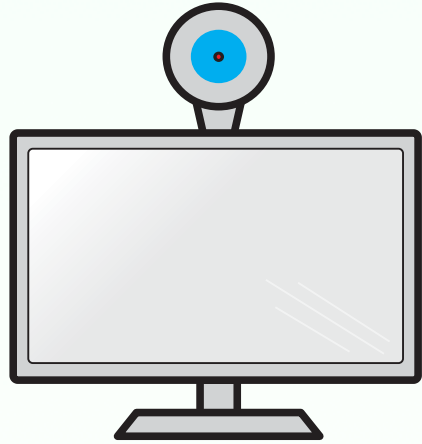


Two Zhimin's eBooks valued at \$25



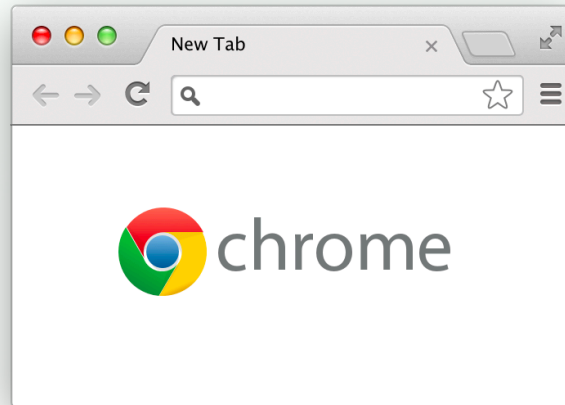
Training Slides (PDF)

What do you need on the training day?



Windows 10

Apple macOS



Content [^] (highly interactive)

Duration: 8 hours

Video: what is web test automation? (~5 min)

- 🕒 Run a user login test in Chrome
- 🕒 Cross-browser testing: run in Firefox

Introduction

- 🕒 Industry trend: test automation in high demand
- 🕒 Why most test automation attempts failed?
- 🕒 Demystify Web test automation

Driver Framework: Selenium WebDriver

- 🕒 History and why it dominates web testing?
- 🕒 Selenium WebDriver Syntax
- 🕒 8 locators

Hands-on (~20 min)

- 🕒 Install TestWise
- 🕒 Create the first Selenium test: user login

Test Syntax Framework: RSpec

- 🕒 1-min guide to the most popular BDD framework

Hands-on (~10 min)

- 🕒 Run tests from command line

Hands-on (~45 min)

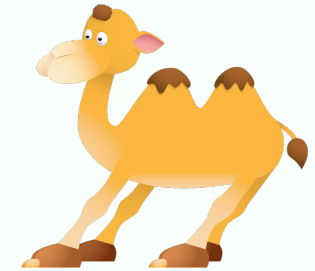
- 🕒 Develop 4 more selenium tests
 - different locators & testing AJAX

Demo & Hands-on: Be effective

- 🕒 Debugging techniques
- 🕒 Improve efficiency

Maintainable Test Design

- 🕒 Reusable functions
- 🕒 Page object pattern



Test Refactoring

- 🕒 6 functional test refactorings
- 🕒 Demo: when and how to refactor

Hands-on (~45 min)

- 🕒 Refactor your 5 selenium tests

Selenium in other languages

- 🕒 Python, JavaScript, ...
- 🕒 Selenium with Cucumber

Test Automation Adoption

- 🕒 Challenges (tech & non-tech)
- 🕒 Grow

Q&A and Hands-on (*)

- 🕒 Participant's supplied test cases

[^] the actual content may change to suit attendants

* subject to time constraints

Provide your info to help us prepare

- Your machine's OS, Windows or macOS?
- Your preferred name for complimentary TestWise License
For group booking, please provide names of all participants
- A real work test scenario that we may do in the training.
Please provide detail: eg. test data. Video is better.
** the target server must be publicly accessible*
** this activity only occur when time permits*

1-day Live Online Training

Web Test Automation with Selenium WebDriver



For more information and make a booking

<https://agileway.com.au/training/automation-selenium>

Any enquires, please contact support@agileway.com.au