

# Selenium Foundation A4Q: Certification create and run Selenium WebDriver tests

Hands-on course of 3 days - 21h

Ref.: SLC - Price 2024: CHF2 270 (excl. taxes)

## EDUCATIONAL OBJECTIVES

At the end of the training, the trainee will be able to:

- Automate a web application with Selenium
- Build maintainable scripts with Selenium WebDriver
- Take the official A4Q Selenium Foundation exam

## CERTIFICATION

The Selenium Certified Tester Foundation Level exam takes place at the end of the course. Duration of the exam: 60 minutes. 25% extra time for non-native speakers of the exam's language. A score of at least 65% is required to pass.

## THE PROGRAMME

last updated: 06/2022

### 1) Review of the foundations of automated testing

- Objectives and benefits.
- Manual versus automated testing.
- Role of Selenium in a testing architecture.
- Benefits and risks of Selenium WebDriver.
- Success factors.
- The Selenium family.

*Role-playing* : Suggested sample exam questions and commented corrections.

### 2) Automated tests with Selenium WebDriver

- HTML and XML approach.
- Use CSS selectors to locate elements of the HTML document: attributes, form elements, etc.
- Use XPATH to find certain elements on the page.

*Hands-on work* : Corrected review questions. Exercises on an HTML document, on XPATH and CSS with Chrome.

### 3) Using Selenium WebDriver

- Using appropriate logging and reporting mechanisms.
- URL navigation.
- Changing contexts and drivers.
- Capturing pages and screens.
- Localizing the GUI (Graphical User Interface) with different strategies.
- Getting GUI reports.
- Interacting with GUIs.

*Hands-on work* : Review questions. Using "pytest", writing a Python script including drivers, pages, GUI, HTML, browser. Using WebDriver for UI, modal dialogs, user prompt.

### 4) Writing maintainable scripts

- Understand what factors affect maintainability.
- Using appropriate expectation mechanisms.
- Analyzing the GUIs being tested and performing abstractions.
- Analyzing test scripts.

## TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

## ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@ORSYS.fr to review your request and its feasibility.

- Setting up a keyword policy to structure the scripts.

*Corrected review questions. Exercise with Page Objects. Script rewriting exercise with key words (KDT).*

#### 5) Official A4Q Selenium Foundation Examination

- Taking a mock exam.
- Commented correction of the mock exam.
- Exam set up by a GASQ auditor.
- Taking the official A4Q® Selenium Foundation exam.

## DATES

---

REMOTE CLASS

2024 : 10 Jul, 23 Oct