Updated on 29/11/2023

Sign up

WebdriverIO training: next-generation mobile and browser testing

2 days (14 hours)

Presentation

Our 2-day WebdriverIO training course will get you up and running in software testing. You'll be able to integrate the WebdriverIO framework into your daily tasks and create scalable test suites to ensure the quality of their systems and applications. **Webdriver IO is** a NodeJS automation framework designed to automate test suites to create more robust and reliable applications. It's a progressive automation solution, meaning that tests are designed to be carried out simultaneously with code writing. They are therefore faster and easier to understand. In this training course, you will learn how to use **WebdriverIO** to carry out your own application tests with scripts and modules. You'll learn how to integrate testing into the development process to improve problem detection and resolution. This course will be run on the latest WebdriverIO version 8.

Objectives

- Configuring WebdriverIO
- Writing test scripts
- Use tests in your programming actions

Target audience

- **Devops**
- Web developers

Prerequisites

- Programming basics
- Application testing basics

Webdriver.IO training program

Jscript basics

- **Variables and constants**
- Data types
- Operators and loops
- Arrays
- Functions
- Maps and set

Webdriver.IO configuration

- Choose an appropriate editor
- Installing and managing dependencies
- Basic configuration

Selectors and elements

- Rental strategies
- Tradeoffs

Interacting with web elements

- Clicking on web elements
- Writing text
- Radio Buttons
- Drop-down menus
- Checkbox

Waits

- Types of waits available
- Waits needed in Webdriver.io

Custom functions and flow automation

- Custom functions and their requirements
- How to customize a function
- Automate an application flow with webdriver.io

Creating the framework

- Cucumber
- Chai for assertions
- Reports
- Page objects integration
- Parallel testing

Assertion Library

- Chai library
- Installation
- Expect Usage
- Asser Usage
- Should Usage

CI/CD implementation

- Implementing Jenkins

Framework POM

- How to use it
- Export and import
- Page creation
- Keywords

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning on entry to training complies with Qualiopi quality criteria. As soon as

Upon final registration, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the forthcoming training course, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.