



INTRODUCERE ÎN UI TEST AUTOMATION

Durată curs: 14 cursuri x 2 ore

Descrierea cursului

Cursul de **Introducere în UI Test Automation** se adresează persoanelor care au cunoștințe de Software Testing sau care sunt implicate în software development și care doresc să înceapă o carieră în domeniul automatizării. Cursul tratează modul în care se realizează testarea dinamică și analitică a unui produs software prin utilizarea unui program pentru executarea procedurilor (test case). Obiectivul cursului este să formeze și specializeze cursanții în testarea automată, aducându-i cu un pas mai aproape de jobul de Junior Automation Engineer.

Programă

Curs 1

Introduction in Java Programming

- What is Java?
- Environment Setup
- My first program: "Hello world!"
- Primitive data types
- String
- Date and Time
- Operators
- Types of errors
- Add comments

Curs 2

- Control Flow Statements
- The if-then and if-then-else Statements
- The switch Statement
- The while and do-while Statements
- The for Statement

Curs 3

- Data Structures and Catching and Handling Exceptions
- Arrays
- Lists



INTRODUCERE ÎN UI TEST AUTOMATION

- Maps
- The Try-Catch-Finale Blocks

Curs 4

OOP Concepts

- What is a Class
- What is an Object
- What is a Package
- Access Modifiers

Curs 5

Automation overview

- What is Automation Testing
- Use of automation Testing
- Tools for Automation Testing
- Why automation is important for you career?
- What is Selenium
- Advantage of Selenium
- Introduction to IDE, RC WebDriver & Grid

Configuring Selenium and Running on all supported browsers

- Selenium WebDriver Architecture
- Webdriver Interface and Invoking Browser
- Basic Methods of Web Driver
- Running Selenium in all browsers

Cursul 6

Browser & Navigation Commands

- How to Open a URL
- Verify Page title
- Strategy to get the Page Source
- Difference between Close & Quit
- Ways to Navigate Back & Forward
- How to Refresh Page
- Another way of Navigating to specific Page

Intellij IDE

- How to use
- How to run, stop tests
- How to debug
- How to use break points

Cursul 7

Locators. How to identify Objects

- What are locators
- HTML Basics
- HTML language tags and attributes
- Locator Techniques-Xpath
- Locator Techniques-Name, ID, ClassName



INTRODUCERE ÎN UI TEST AUTOMATION

- Locator Techniques-LinkText, Handling links

Cursul 8

WebElement Commands

- Difference between FindElement & FindElements
- Enter & Clear text from Input field
- How Click action works differently on different elements
- Managing Input fields, Buttons & Links
- Finding all links on the Page
- Strategy to check dead links on the page
- Extracting More than one object from a page
- Extracting Objects from a specific area of a web page
- Check if element is Present, Displayed, Enabled or Selected

Cursul 9

Element Identification

- Element Inspector in Mozilla, Chrome and IE
- Element locator tool for FF
- FireBug & FirePath Add-Ons in Mozilla
- Various HTML locator strategies
- XPath Helper Plug-in for Chrome
- Selection of Effective XPath
- Handling Dynamic objects/ids on the page

Cursul 10

Selenium Waits, Alert & Switch Windows

- Implicit and Explicit waits
- How to use Expected Conditions with Waits
- PageLoadTimeout
- Simple use of Thread Sleep
- Concept of Fluent Wait in Selenium
- WebDriverWait and its uses
- Different WaitUntil Conditions
- Ways to handle Simple, Confirmation & Prompt Alert
- Concepts of Set Interface in Java
- Difference between Window Handle & Handles
- Switching & Closing Windows, Tabs & PopUps
- Concept of window ID
- Extracting window IDs with Selenium Object reference

Cursul 11-14

Practical application of end to end automation flows.