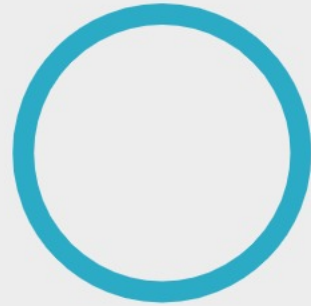


Automation with Java and Manual Testing curriculum



Introduction

- Selenium Automation Testing is one of the most in-demand skills in the market, making it a high priority for people all around the world. However, there are many different ways to learn this skill, and not all courses are created equally. The course covers basic-level Selenium Syllabus topics like Automating a Simple Test and more advanced topics like TestNG Framework, cucumber Framework.

Selenium Course Syllabus



Selenium Introduction

- Course Objectives
- Different learning stages

Basic Installations

- Getting started with Java
- Installing Java
- Installing Eclipse
- First Eclipse Project
- First Java program
- Importing projects in Eclipse

Downloading Selenium, Architecture of Selenium Web driver – Selenium Course Syllabus

- Selenium IDE
- Downloading WebDriver Jars and configuring in eclipse
- The architecture of selenium Webdriver
- Browser versions with WebDriver
- Drivers for Firefox, IE, Chrome, Edge
- Storing TestNG and Selenium Dependencies in POM.xml

Web driver commands

- Browser Commands
- Web Element Commands
- Find Elements Commands
- Check Box & Radio buttons
- Drop Down & Multiple Selects
- Web Table Handling
- Alerts and windows
- Frames



Locators & Xpath

- Inspect elements from the browser
- Relative & Absolute XPath

Synchronization – Selenium Course Syllabus

Implicit Wait

Explicit Wait

Fluent Wait

Action Class

- Drag & Drop
- Right Click & Double Click
- Mousehover Action
- Robot Class

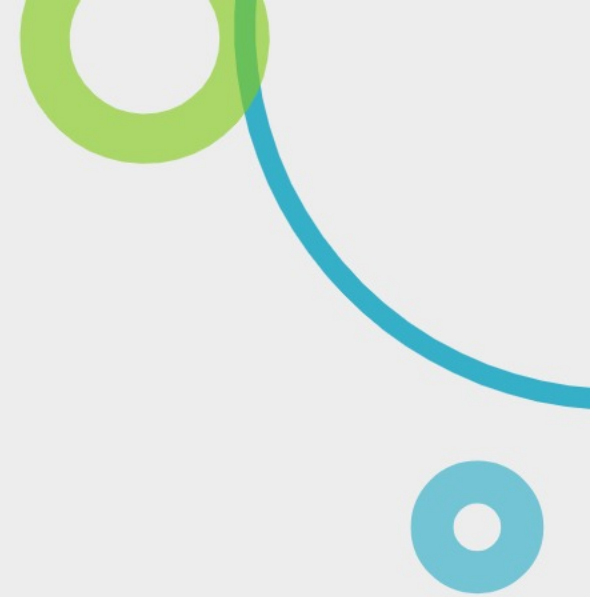
JavaScript Executor

- Scroll onto a WebElement
- Sendkeys Operation
- Click Operation
- Highlighting WebElement Border



Selenium Grid With WebDriver, TestNG, and Maven

- Grid Introduction
- Configuring Hub and Node
- Running tests on Multiple browsers and Nodes
- Install Testing
- Testing Annotations
- Testing Parallel Execution
- Testing Data providers
- Maven Introduction
- Install Maven
- Create a new Maven Project



Automation framework

- TestNG Framework
- BDD/Cucumber Framework
- Page Object Model
- Page Factory Model



Tools

- GitHub (Repository Management Tool)
- Jenkins (CI/CD Pipeline)
- Katalon Recorder

