At EDUCBA, it is a matter of pride to us to make job oriented hands on courses available to anyone, any time and anywhere.

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# EDUCBA

# Selenium Training Certification

# Course Overview

It is an amazing collection of practical and hands-on learning of the most updated training programs and projects in the area of Selenium Testing.

Selenium Testing Course and its relative chapters are covered with the core and advanced concepts on Selenium Testing concepts and automating the testing of web applications using Selenium framework.

# Selenium Training Skills

We learn the following skills:

The set of skills those which can be acquired up on completion of this Selenium training are Selenium IDE, TestNG, Apache Ant, Maven, Selenium WebDriver, Web Elements, Web Page Automation, Synchronization in Selenium, UI Techniques, .NET, Locator Techniques, Java, Web Applications Testing, Ajax etc.

# Course Features

Course Duration- 29 + Hours

**8** Number of Courses

Verifiable Certificates

Lifetime Access

Technical Excellence

# About Selenium

Selenium is a framework used for testing web applications which is portable.

Selenium is free and open source framework under Apache Projects. It supports cross platform operating systems.

Selenium has several core components in framework called Web Elements, Locators, Web Drivers, to automate the complete web pages with different functionalities such as Buttons, Fields, Forms, Images, iFrames etc.

# Selenium Course

This is a Bundle Course that includes complete in-depth selenium Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a Selenium professional.

# 1 Selenium IDE

## Section 1. Introduction

- Introduction to Selenium

## Section 2. Questions

- What is Selenium

## Section 3. Installation

- Java Installation
- How to Download Eclipse

## Section 4. Eclipse Tool

- Basic Programs of Eclipse
- Eclipse Tool
- Different Types Views
- How to use Debug Mode

## Section 5. Selenium IDE

- Introduction to Java
- Install IDE FireBug and FirePath
- Record and Debug Script
- Pause and Step Execution
- Wait Command
- Verify Alert
- Assert Alert
- Store and Echo
- Store Eval and Stored Vars

## Section 6 . JavaScript Basics

- JavaScript Basics
- User Extensions Basics

## Section 7. Regular Expressions

- Regular Expression
- Creating New Test Care

## Section 8. Project

- Login to Flipkart
- View Gift Card Balance
- Link Count
- Add Items to Cart
- Delete From Cart
- Log Out

## Section 9 . Parameterization of Test Cases

- Parameterization of Test Cases
- Capturing Screenshots in Selenium IDE

# 2 TestNG

## Section 1. Introduction

- Introduction to TestNG

## Section 2. TestNG Annotation

- Types of Annotations
- TestNG Annotations and Reports
- Annotation Calling Sequence

## Section 3. Run TestNG Xml

- Before Class and Before Test
- How to Run Tests Using Testng Xml File
- Run Testng Xml File Programmatic
- Run TestNG Xml File from Command Prompt
- Run TestNG Xml File Command Prompt
- Run Tests in TestNG Using Batch File
- Scheduling the Batch File in Task Scheduler

## Section 4. Methods

- Test Methods
- Inside Method

## Section 5. Grouping

- Grouping
- Creating Three Test Method
- Exclude and Include
- Parameterizing Test Cases
- Parameters Annotation
- Data Provider Example
- Data Provide

# 2 TestNG

# 3 TestNG with Apache Ant and Maven

## Section 1. Apache Ant

- Introduction to Apache Ant
- Configuring Ant
- Build Xml
- Executing Class Path
- Test NG Results XSLT Reports

## Section 2. Maven

- Introduction to Maven
- Maven vs SVN
- Create Maven Project from Command Prompt
- Importing Maven Project Into Eclipse
- Modifying Test Case
- Converting Existing Project to Maven

# 4 Selenium WebDriver

## Section 1. Introduction

- Introduction to Selenium WebDriver 3

## Section 2. Overview

- Selenium Overview

## Section 3. WebDriver

- Configuring Gecko Driver
- Launching Firefox Browser
- Architecture of Selenium WebDriver
- Methods in WebDriver

## Section 4. IE Driver

- Configuring Chrome and IE Driver
- Configuring IE Driver

## Section 5. Creating and Launching

- Parameterize and Launch Browser Dynamically
- Creating and Launching Firefox Profile
- Downgrading Firefoxand FirePath
- How to Add Javadoc Location
- Difference Between Selenium IDE RC and WebDriver
- Desired Capabilities
- Working with Proxy Servers

## Section 6. HTML

- HTML Structure Inspect Elements
- HTML Structure Inspect Elements Firefox
- Basic Tags in HTML
- Locators
- Sendkeys Click, Close and Quit
- Why Driver Close is Not Working
- Xpath Absolute and Partial
- Relative Xpath
- Web Element Usage and Examples

# 4 Selenium WebDriver

# 5 Manage Web Elements using Selenium

## Section 1. Manage Text Fields and Manage Links

- Managing  Text Fields
- Working  With Links
- Controlling  Execution Using Testng XML
- Usage of  Text Element and Usage of CSS Selector

## Section 2. What is List and How to Handle Multiple

- List and  Multiple List
- Indentity  Multiple Element
- Methods  of Indentity Multiple Element using Java File

## Section 3. Stale Element Exception

- What is  Stale Element Exception
- How to  Resolve the Error in Stale Element

## Section 4. Dropdown  Elements

- Creating  the Dropdown Element
- Option  Present in Dropdown Element
- How to  Habndle Class in Dropdown Element

## Section 5. RadioButton  Check Box

- Creating  Checkbox and Radio Button

# 6 Complete Web Page Automation using Selenium

## Section 1. Introduction

- Introduction to Complete Web Page Automation

## Section 2. Webdriver

- Using the Webdriver Method
- Count of the Footer Section
- Dealing with the Footer Sector Link

## Section 3. Validations

- Validation of the Text
- Working with Java Script Executor

## Section 4. Javascript Executor

- Javascript Executor Introduction

# 7 Synchronisation in Selenium

## Section 1. Introduction

- Introduction to Web UI Control Techniques in Selenium

## Section 2. Getting Started

- Working With Syncronization in Selenium
- Explicit Wait Syncronization in Selenium
- Fluent Wait Command Syncronization in Selenium

## Section 3. Web UI Techniques

- Dropdown In Web UI Techniques
- More on Dropdown
- Static Dropdown Example
- Dynamic Dropdown Example
- Output of Dropdown Function
- Check Box and Radio Buttons
- Script for Radio Buttons
- Validation of Radio Buttons
- Alerts in Selenium Automation
- Types of Alerts
- Confirm Alert Box
- Validation of Checkbox in Radio Button
- Learning the Get Text Process

## Section 4. Advanced UI Techniques

- Understanding Action Class
- Creating Action Class
- Methods of Action Class

# 8 Advanced UI Techniques in Selenium

## Section 1. Introduction

- Introduction

## Section 2. Ajax Calls

- Methods using Actions Class
- Examples on Actions Class
- Different Methods for Actions Class

## Section 3. Iframes Example

- Creating a New Class
- Creating Actions an Actions Class
- Understanding Concept of Child Windows
- Purpose of Iterator Strings
- Example on Child Windows

# 9 Selenium using .NET Training

## Section 1. Introduction

- Introduction to Selenium

## Section 2. Selenium Commands

- Build a  Test Case
- Login  Suite
- Assert  Verify

## Section 3. Selenium Command by Locator

- Selenium  Command by Locator
- Inspect  in DOM Panel
- Assert  Alert Pattern

## Section 4. Selenium  IDE

- Selenium  IDE Final

## Section 5. Selenium  Web Driver

- Selenium  Web Driver
- Selenium  WebDriver Commands
- Selenium  WebDriver Commands Advanced
- Webdriver  Commands API and Operations

# 1 Locator Techniques in Selenium

## Section 1. Introduction

- Introduction  to Locator Techniques in Sikuli
- How  Check Latest Version

## Section 2. Getting  Started

- Working  With Locators
- Customization  of Xpath in Locators
- Interview  Questions of Selenium

## Section 3. Interview  Questions

- Relative  Xpaths
- Absolute  Xpaths
- Axes  Methods in Xpaths

# Frequently Asked Questions

## Why should I consider this Selenium training?

Any Test Engineer or Automation Test Engineer or Selenium Tester or prospective QA Engineer or Manual Tester and who all are willing to learn Selenium Testing concepts and are interested to learn the core and advanced Selenium components should consider this Selenium certification.

## Will this Selenium training add value to my profession?

Yes. this course will obviously add value to your profession and your profile in terms of the Selenium Test Automation and also to your career including the verifiable certifications from EduCBA Academy that is a benefit in obtaining further career opportunities.

## Is this quick revision for interview preparation or certifications exam preparation to learn this Selenium training?

Yes, this can be quick revision for any interview or certification exam preparation and without any hands-on experience on any Test Automation or Selenium Testing experience on web applications. Any previous knowledge is recommended and benefited that further adds upon few advantages to this course.

# Customer Reviews

The Selenium Testing concepts are very well explained in in this course which is really understandable and the method of explaining in the contents are really in the best way with greater learning experience. This course contents are easily understood and especially the Selenium web components are well explained.

Lester

This Selenium Testing training is very fun and amazing to learn. Selenium automation concepts are quite good and interested to learn. All the web application testing concepts are well explained and really must be opted course for any QA or Test Engineers to master the Selenium framework concepts easily in the shortest time possible.

Jean

# EDUCBA

## Selenium Training Certification

For Queries please contact:

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