



Selenium

Available Delivery Methods:

E-learning

Instructor Led Virtual Class

Instructor Led Face to Face Class

Course Outline

INTRODUCTION

- What is automation testing
- When it will come into the picture
- What is the use of automation testing

INTRODUCTION TO SELENIUM

- What is Selenium
- What is the use of selenium
- When selenium can be useful in testing
- Features of Selenium
- What is the difference between Selenium and QTP

SELENIUM COMPONENT

- Recording the scripts.
- Running the scripts.
- How to Save the recording script.
- Object Identification.
- Difference between Test case and test suit.
- Languages supported while Recording.
- Synchronization in Selenium IDE.
- Testing Vs Selenium IDE
- When to use Selenium IDE
- How to run the recorded script against other browsers.
- Why companies are not using recording tools.

CREATING ENVIRONMENT FOR SELENIUM RC

- Creating the generic scripts in selenium.
- Creating the scripts by using functions.
- Running the scripts in Eclipse.
- Inheritance
- Browser commands with examples.
- Interactive commands with examples.
- Information commands with examples.
- Validation commands with examples.
- How to take data from excel sheets.
- Why should we use excel sheets.
- How to take large no of data from excel sheets.
- How to export data to an excel sheets.
- Export large no of data to an excel sheet.
- How to export results after completion of execution the script.
- How to use Eclipse.
- Debugging the scripts.
- Maintaining the synchronization points.
- How to handle Popups and alert messages.

Audience Profile

This course is for fresh college graduates, testers, developers and business users possessing good soft skills and wanting to work closely with the business users and technical team. Technology background is not required to take this training!

Benefits

- ✓ Job oriented training;
- ✓ Visual learning;
- ✓ Real world assignments;
- ✓ Recorded sessions;
- ✓ Mock Interviews;
- ✓ Resume preparation;
- ✓ Supporting Materials;
- ✓ Job Support



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DEVELOPING THE REUSABLE SCRIPT FOR ANY PROJECT

- Automation life cycle

VALIDATIONS

- What is Validation.
- What is the use of validations in Automation testing.
- When we use validations in Realtime project.
- How to use Validations.

TRANSACTIONS

- Function of a Transaction in a Script
- When to Add Transactions
- Adding Transactions during Recording
- Adding Transactions after Recording

FRAMEWORK

- What is Framework.
- Types of Frameworks.
- What is modular framework.
- What is Data Driven framework.
- What is Keyword driven framework.
- What is Hybrid framework.
- Use of Framework.
- Explain me about your framework.
- How develop the framework.
- Integration of the framework.
- How execute the scripts from framework.

CORE JAVA FUNDAMENTALS LANGUAGE FUNDAMENTALS

- Java Programming Language Keywords
- Class and Object
- Data Types
- Array Declaration, Construction, and Initialization

FLOW CONTROL, EXCEPTIONS, AND ASSERTIONS

- Writing Code Using if and switch
- Statements
- Writing Code Using Loops
- Handling Exceptions
- Working with the Assertion Mechanism

OBJECT ORIENTATION, OVERLOADING AND OVERRIDING, CONSTRUCTORS

- Benefits of Encapsulation
- Overridden and Overloaded Methods

USING THE JAVA.LANG.STRING CLASS

- Using the java.lang.Math Class
- Using Wrapper Classes
- Using the equals() Method with
- Strings and Wrappers and Objects



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INNER CLASSES

- Method-Local Inner Classes
- Anonymous Inner Classes
- Static Nested Classes

DEFINING, INSTANTIATING, AND STARTING THREADS

- Preventing Thread Execution
- Synchronizing Code
- Thread Interaction

J.UNIT INTRODUCTION

- Proving it works
- Starting from scratch
- Understanding unit testing frameworks
- Setting up JUnit
- Testing with Junit

RESULT ANALYSIS

OBJECT REPOSITORY

- What is object repository.
- How to use object repository in framework.
- What is the use of maintaining Object repository.
- Types of creating object repository.

ADDITIONAL CONCEPT

- How to use XPath
- How to use DOM
- How to use Key Commands