



Python Selenium



About Course

One of the most widely used test automation tools in Python is Selenium. It's open-source and free to use. Selenium with Python is used to carry out automated test cases for browsers or web applications.

It has far less verbose and easy to use than any other programming language.

SELENIUM WITH PYTHON

CURRICULUM

①

Selenium with Python Introduction

History of Python

About Scripting language

Features of python

Software installation and setting up Python Path.

Python Editors.

②

Data Types

String

List

Tuple

Dictionary

Set

③

Control Flow Statements

Conditional Statements

Simple If

If-else

if-else ladder

Nested if-else

Looping Statements

for loop

While loop

④ Functions

About Functions

Creating a Function

Types of Arguments

⑤ Object Oriented Concepts in Python

Class

Object

Constructor

Self-Reference variable

Inheritance

Polymorphism

⑥ Exception Handling

About Exception Handling

Built-in Exceptions

User defined Exceptions

Usage Of Exceptions



7 Import Statements

Importing Packages

Direct Import

Selective Import

Import All

8 Introduction [Selenium]

What Is selenium

Advantages of selenium

About Web Applications

9 Getting Started with Selenium Web driver

Installing Python

Installing Selenium Web driver

About IDE [Pycharm and Eclipse]

Setup and Installing Editors.

Installing Browsers.

About Third party Drivers and Installation

10 Finding Page Element Objects

About HTML and CSS.

About Inspecting page Elements.



Basic Example to Load Page using Web driver.

About Selenium Locators.

Find_element_Using ID attribute.

Find_element_Using NAME attribute.

Find_element_Using CLASS NAME attribute

Find_element_Using TAG NAME attribute

Find_element_Using LINK TEXT attribute

Find_element_Using PARTIAL LINK TEXT attribute

Find_element_Using CSS SELECTOR attribute

Find_element_Using XPATH attribute

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About Xpath

About Absolute Xpath.

About Relative Xpath.

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Test case Creation

Introduction about test case level frameworks.

About the Unit test

About Pytest

About Selenium Web driver class.

Example Test case creation.

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Handling Web Page Object Elements

Working with TextBoxes.

Working with radio buttons.

Working with buttons and checkboxes.

Working with drop-down lists.

Working with Tables.

Working with alerts, Browser pop-ups, scroll up and down.

Reading POP up text.

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Handling Frames and Mouse Actions

Introduction about Frames and mouse actions.

About Action Chain class in selenium.

Switching between frames.

Drag and drop mouse actions.

Different action chain class methods.



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Test case validation Techniques

About assert conditions.

Assert Equal And Assert Not Equal.

Capturing Screen shots

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POM Framework

About POM.

About Package Creation and Classes creation.

Re-usable method creation

XL data [Input DATA From XLs]

Re-usable Variables for web elements.

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Report Generation

Html based report generation.

Suite Level Reports.

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Bonus Points

Real-Time Project Discussion.

Interview Handling Skills.

Resume Building Support



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