Soap UI Course Syllabus

Course Duration: 30-40 Hours

Class Availability: Weekends

Web services Basics

What is web service?

Web Service Example

Different types of Services: Soap & Rest

SOAP UI Details

What is SOAP UI?

How SOAUI helps in testing of Web Services

How to configure services in SOAP UI

How to use SOAPUI for Web services Automation

Setup Environment

Setup SOAPUI Free version

Setup SOAPUI Pro version

Free SOAP Wen services

Difference between SOAP and Rest Services

Advantages of Rest Services over SOAP Services

Properties at different SOAPUI level

Global properties

Project level property

Test Suite level property

Test Case level property

Different Steps in SOAPUI

Delay test Step

Groovy Script test Step

Property test Step

Manual Test Step

Run Test Case Step

Assertion test Step

Parameterization/Data driven test cases

Data Source loop using excel file

Data Sink Step

Data source Loop using Data sink

Assertions

Contains Assertion

Not ContainsAssertion

Response SLA Assertion

Schema Assertion

Soap Fault Assertion

Valid Http Code Assertion

Invalid Http Code Assertion

XPath Assertion

XQuery Assertion

Groovy Script

Groovy Basics

Groovy Programming Kick-off

Programming Exercise – Number Swapping

Groovy Condition Handling

Groovy: Arrays

Groovy: Loops

Groovy String Handling

Access SOAPUI API

Log and Test runner object

Test Runner Object: Project object

Test Runner Object: Test Suite object

Test Runner Object: Test Case object

Groovy: Set Property Value

Groovy: Get Property Value

Groovy: Skip Test Step Execution

Groovy: Run test step by Groovy

Groovy: Conditional execution of Test steps

Service Mocking in SOAPUI

SOAP Mock Service

Service Mocking- Dynamic Data

Database Connectivity in SOAPUI

JDBC Setup

Database connectivity using groovy

Reporting in SOAPUI

Generating html reports in SOAPUI

Non-functional Testing

Load Test Case

Security Test Case

Soap Web service Automation

Soap Service Automation

Rest Service Automation