

TESTING

Automation Testing (Selenium WebDriver)

1. Overview

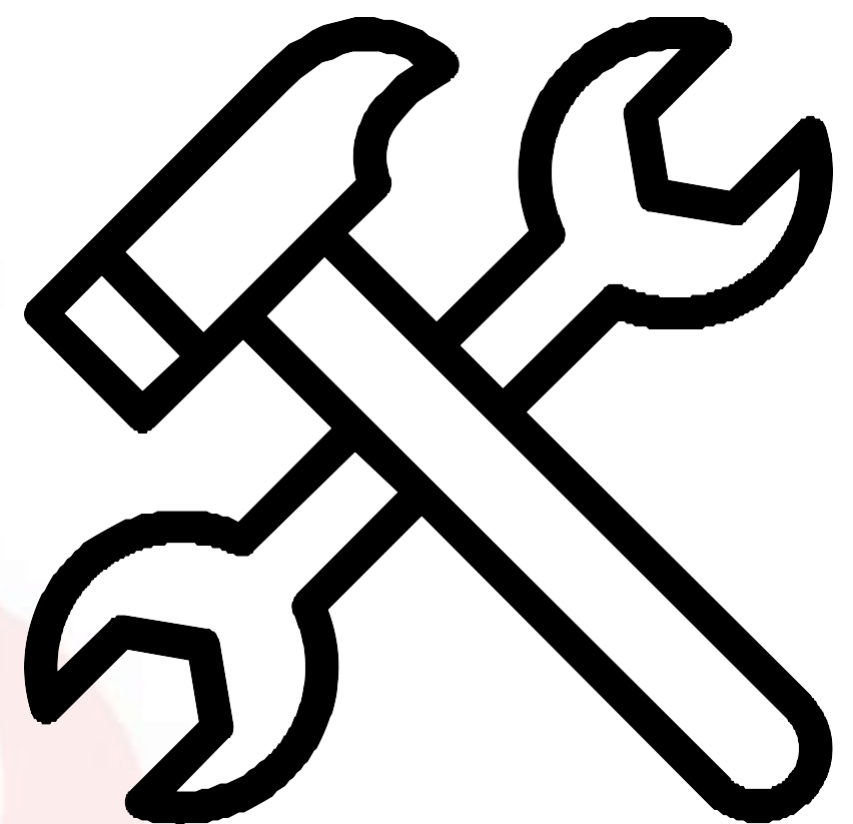
- Introduction
- Advantages of selenium
- Disadvantages of Selenium

2. Selenium IDE

- Creating Selenium IDE Tests
- Script Debugging
- Inserting Verification Points
- Pattern Matching
- Selenium User Extensions
- Different Browser Execution

3. ENVIRONMENT SETUP

- Download and Install Java
- Download and Configure Eclipse
- Configure FireBug and FirePath
- Configure Selenium RC
- Configure Selenium WebDriver



4. SELENIUM RC

- What is Selenium RC?
- Selenium RC Architecture
- RC – Scripting

5. SELENESE COMMANDS

- Actions
- Accessors
- Assertions

6. WEBDRIVER

- Architecture
- Selenium RC Vs WebDriver
- Scripting using WebDriver
- Most Used Commands

7. LOCATORS

- What are locators
- Types of locators
- Locators Usage

8. Waits

- What are waits
- different types of waits
 - Implicit
 - Explicit

8. INTERACTIONS

- User Interactions
- Text Box Interaction
- Radio Button Interaction
- Check Box Interaction
- Dropdown Interaction
- Synchronization
- Drag & Drop
- Keyboard Actions
- Mouse Actions
- Multi Select Action
- Find All Links

9. TEST DESIGN TECHNIQUES

- Page Object Model
- POM Flow Diagram
- Driven using Excel
- Parameterization
- Log4j Logging
- Exception Handling
- Multi Browser Testing
- Capture Screenshots
- Capturing Videos
- Pop-up handling
- Dynamic Xpath and CSS
- Alert and Window Handling
- BDD(Framework)
- POM(Framework)

10. TESTNG

- What is TestNG?
- Installing TestNG for Eclipse
- Annotations in TestNG
- TestNG-Eclipse Setup
- First Test in TestNG

11. SELENIUM GRID

- Architecture
- Working with Grid
- Configuring the Hub
- Configuring the Nodes
- Develop the Script and Prepare the XML File
- Test Execution
- Result Analysis

Other knowledge and activity

- **Special Hand written notes and question papers**
- **Knowledge on STLC (Software Testing Life Cycle)**
- **Different domain scenarios to design Test Scripts**
- **Design Test scripts, Test Executions, Test proof's creations and reports creations sending (to client or stockholder) guidelines**
- **How to Support and Maintenance of application(guidelines)**
- **Knowledge about industrial/Project standards and Guideline**
- **Mini Project working Experience (Test scripts, Test Proofs and Reports creation)**
- **Different meetings in STLC (Software Testing Life Cycle)**
- **knowledge on Different reports creation and shared with clients (with standard, guidelines followed in multinational companies)**