

Selenium Syllabus

Concept 1: Selenium Components & Object Identification

Concept 2 : Core Java

Concept 3 : WebDriver with Project

Concept 4 : Framework Design and Implementation

Concept 5 : Integration of Framework

Concept 6 : Mobile Automation with APPIUM

Concept 1 :Selenium Components/Objects

- Automation Testing Process
- Automation fundamentals
 - Automated Testing
 - Benefits of Automation
 - Open Source/Commercial Tools
 - Automation Tool Evaluation
 - Diff. b/w Selenium & QTP
- Selenium Components
 - Selenium IDE
 - Selenium RC
 - WebDriver
 - Selenium GRID
- Object Identification
 - Firebug / Firepath
 - Locators for all browsers

Concept 2 : Core Java

- Language Fundamentals
 - Class, Method & Object
 - DataTypes and variables
 - Loops & Conditions
 - Arrays & Keywords
 - Wrapper Classes
 - Strings and Exception Handling
 - Keyboard Actions
 - Collections & Hash Map
 - Array List, List
- Ooops concepts
 - Inheritance, Polymorphism
 - Abstraction, Encapsulation
 - Interface
- About Eclipse
 - Creating Projects
 - Eclipse with Selenium

Concept 3 : WebDriver with Project

- Introduction to RC & WebDriver
- Creating generic scripts
- Mouseover actions
- Frames & Scroll bar
- Pop-up's / alert
- Keyboard & Ajax Events
- Dropdown & page back
- Implicit and Explicit Wait
- File Upload & Download
- Web Tables & Excel
- Working with DB
- Auto Complete feature
- Screenshot
- Windows Handelerers

Concept 4 : Framework Implementation

- TestNG, Hydrid & POM
- TestNG/Junit
 - Writing TestNG scripts
 - Wroking with Test suites
- Selenium Grid
 - Grid Overview
 - Hub & Nodes
 - Desired Capabilities
 - Remote WebDriver

Concept 5 : Integration of Framework

- Sikuli, Robot class
- Log4j, JavaScript Executer
- Cucumber, Maven

Concept 6 : Mobile Automation with APPIUM

- What is Appium & Why Appium?
- Appium with WebDriver
- Programs on Devices/Simulator



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