Test Configuration File / Executable File

In order to create a test suite and run separate test cases, we need framework which drives the automation. Here testng.xml can be called as "driver" which drives several test cases automated using selenium code.

Advantage of using TestNG with Selenium is of running multiple test cases from multiple classes using xml configuration file

Another advantage of testng.xml is for entire teams that need to share their test configuration or to be able to specify different parameters or subsets of their tests in different testng.xml files

testng.xml file will have the following structure:-

```
The root tag of this file is <suite>. as tag <html> which is root tag in html.
<suite> tag can contain one or more <test> tags.
<test> tag can contain one or more <classes> tags.
<classes> tag can contain one or more <method> tags
```

Here is an example testng.xml file:

```
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd" >
  <suite name="ApplicationName Suite" verbose="1" >
  <test name="testpackage" >
    <classes>
       <class name="testpackage.Test" />
    </classes>
  </test>
   <test name="Regression Testing">
    <classes>
      <class name="testpackage.app.classSample"/>
      <class name="testpackage.app.locationTest"/>
    </classes>
  </test>
</suite>
```

We can specify package names instead of class names in testng.xml file:

```
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd" >

<suite name=" ApplicationName Suite" verbose="1" >
  <test name="Regression1"   >
    <packages>
      <package name="testpackage" />
   </packages>
 </test>
</suite>
```

In this example, TestNG will look at all the classes in the package “testpackage” and will retain only classes that have TestNG annotations.

We can also specify group tags and method tags to be included and excluded:

```
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd" >
<suite name=" ApplicationName Suite" verbose="1" >
<test name="Regression1">
  <groups>
    <run>
      <exclude name="brokenTests"  />
      <include name="checkinTests"  />
    </run>
  </groups>
  <classes>
    <class name="test.IndividualMethodsTest">
      <methods>
        <include name="testMethod" />
      </methods>
    </class>
  </classes>
</test>
</suite>
```

TestNG examples with Class Names

TestNG example with Package Names

You can also define new groups inside testng.xml and specify additional details in attributes, such as whether to run the tests in parallel, how many threads to use, whether you are running JUnit tests, etc...

By default, TestNG will run your tests in the order they are found in the XML file. If you want the classes and methods listed in this file to be run in an unpredictable order, set the preserve-order attribute to false

Selenium Tutorials:

Selenium Tutorials

Selenium Tutorials

- Introduction to selenium
- Basic HTML concepts required for Selenium
- Locators for Selenium
- How to Run Webdriver in chrome browser?
- How to run webdriver in IE browser?
- Selenium webdriver using Eclipse
- Synchronization in Selenium Webdriver
- XPath tutorial for Selenium
- CSS selectors for Selenium with example
- Firefox Not Connected Exception in Selenium
- Handle windows popups using Selenium Webdriver
- Working with Frames in Selenium Webdriver
- How to handle javascript alerts, confirmation and prompts?
- Defining Firefox Profile preferences using Selenium Webdriver
- Why Automation Testing is required?
- Importance of Automation Testing
- Mouse Hover Actions in Selenium Webdriver
- StaleElementReferenceExceptions in Selenium Webdriver
- Difference between Webdriver get() and Webdriver navigate()
- Navigation Methods in Webdriver with Examples
- Handling Cookies in Webdriver
- How to addcookie with Selenium Webdriver
- How to delete Cookies in Selenium Webdriver
- WebDriver Methods
- Automation Test Frameworks
- Taking Screenshot using Webdriver
- Webdriver SELECT Methods to work with Dropdowns
- Webdriver Select with Multiple Attribute
- Handling keyboard events and mouse hover events using Webdriver
- Set browser width and height in Selenium Webdriver
- Selenium Automation Framework Example

- UI Map or Object Repository using Properties File
- Test Data in automation framework
- Reporting Structure in Selenium Automation Framework
- Test Configuration File / Executable File
- Uploading a file with Selenium Webdriver
- Upload file using AutoIT
- Uploading a file with sendKeys method
- Read data from Properties file using Java Selenium
- Scrolling web page with Selenium Webdriver using java
- Keyword Driven Framework Example
- Install AutoIt in Windows
- Examples with xpath and Css (ID, Name, Text and Links)
- Testing in multiple browsers using selenium and testng
- Working with Checkbox using Resuable Methods
- Working with Select examples
- File upload using Robots
- Download file using selenium webdriver
- Perform operations on new window
- Introduction to Page Object Model Framework
- Mouse hover using javaScript Executor
- Working with Multiple Checkboxes with Safecheck
- Click element using JavaScriptExecutor
- Drag and Drop using Webdriver Action Class
- WebDriver Waits Examples
- Simple Page Object Model example
- Double Click on element using Webdriver
- Right Click Context Menu example
- Working with AutoComplete Text box
- Working with Date Picker Calendar
- Working with Ajax controls using Webdriver
- Get Attribute values using Webdriver
- Get Css values using Webdriver
- Resizing a web element using movebyoffset
- Validate Downloaded file after clicking on downloaded button/ link
- How to verify entries in Exported CSV file
- Element is not clickable at point SeleniumWebdriverException
- Extract PDF text And Verify Text Present in PDF using WebDriver

- Handling Authentication Window with WebDriver (In Firefox, Chrome and IE)

Recent Post

- Handling Authentication Window with WebDriver (In Firefox, Chrome and IE)
- Selenium Webdriver Tutorials
- Locators for Selenium
- Optional annotation in TestNG
- Parameterization in TestNG using testng.xml

Automation Framework

- Framework Structure
- Object Repository
- Test Data
- Test Scripts
- Reports
- Configuration and Execution

Tags Cloud

Asserts (1) AutoComplete (1) AutoIt (2) Automation (3) Build.xml (1) Checkboxes (2) Cookies (3) Css (2) Css Examples (2) DataProvider (1) Date Picker (1) Drag and Drop (1) Exceptions (4) File Download (3) Firefox Profile (2) Framework Frameworks (5) iFrames (1) Interview Questions (1) JavascriptExecutor (3) JUnit (2) Keyword Driven (1) Listeners (3) Manual Testing (1) Maven (5) Mouse Hover (2) Page Object Model (2) Page Scroll (1) Parallel Test (3) properties file (1)

- ANT Tutorial
- Maven Tutorial

Selenium Tutorials

- Basic Webdriver Tutorials
- Advanced Webdriver Tutorials
- Selenium Framework Examples
- JavascriptExecutor Examples

Interview Questions

- Testing Concepts
- Quality Standards
- General Questions
- Roles & Responsibilities
- Technology & Environment

Copyright © 2015 - All Rights Reserved : Selenium Easy

We welcome your questions and requests