

Project Document

Maven

In this sample project, maven is used for software project management base on the concept of a project object model (POM).

Creating base and utility function

Base class and utility functions are created in base.java and those functions will reuse across framework.

Creating Page Objects

For maintainability and reusability of code, page object pattern is used in this project by creating objects which we want to use for each page. For example, login page object can be found in loginPage.java inside "pageObjects" package.

Creating Test Cases

A few test cases are added inside "Auto" package. In the "homepage.java", data parameterization is done by making use of @DataProvider of TestNG framework. In the "base.java", a property file is created to provide parameters for *initializeDriver ()* function.

Logging

As you can see from test cases, *Log4j* logging utility is used across all test cases which provide different log levels such as info, error, trace, etc.

Taking Screen Shot

With the help of *ITestListener* class of TestNG framework, screen shot can be taken on the event of test success, test failure, and test start etc.

Creating HTML report for Test Results

With the help of *ExtentReport*, test results are created in HTML report in `"/Project/target/surefire-reports/ExtentReportsTestNG.html"`.

As you may find in ExtentReportsTestNG.html, one of the test case is purposely fail to show case an example of fail test case.