BDD-Behaviour driven developement

-----------------------------------

In TDD (Test Driven Developement) testers and developers

will create test cases by taking the requirements from the

BA(Bussiness Analyst). There could be gaps between the requirement

document and testers testcases. To fill these gaps and to

involve everyone in all the phases of the application

companies started using BDD

Cucumber is a framework which is used to acheive the BDD

In BDD the bussiness analyst will write the testcases and

handover to the developers and testers

Developers use this test cases as unit test cases

and tester use this test cases as funcational test cases

Procedure to write the cucumber test cases

--------------------------------------------

1. Create a file with extension ".feature" inside the java project

2. Write the test case using gerkhin language

Note: gerkhin language is used to acheive BDD

gerkhin lang contains 3 tags

a. Given

b. When

c. Then

e.g.

Feature: Feature Name

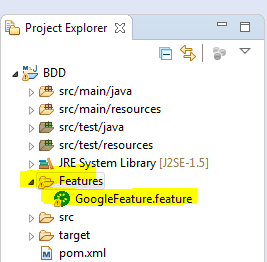
Scenario: Scenario Name

Given I am in Google page

When I enter "selenium webdriver" in the searchbox

Then I see "selenium webdriver - Google Search" page

Cucumber feature file structure in eclipse



To write the feature file in the eclipse we require to install an add-on to the eclipse IDE

Steps to install Cucumber add-on in Eclipse:

---------------------------------------------

1. Go to Help->install new software

2. Enter " <http://cucumber.github.com/cucumber-eclipse/update-site>" in to the work with text box

3. Select Cucumber eclipse plugin checkbox

4. Click on next button

Finish the installation and restart the eclipse

Adding dependencies to POM.xml for the cucumber project

---------------------------------------------------------

1.selenium-java

2.cucumber-core

3.cucumber-html

4.cucumber-java

5.cucumber-junit

6.gherkin

7.hamcrest-core

8.junit

9.cucumber-extentsreport

10.extentreport

<dependencies>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>2.53.1</version>

</dependency>

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-core</artifactId>

<version>1.2.3</version>

</dependency>

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-html</artifactId>

<version>0.2.3</version>

</dependency>

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-java</artifactId>

<version>1.2.4</version>

</dependency>

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-junit</artifactId>

<version>1.2.4</version>

</dependency>

<dependency>

<groupId>info.cukes</groupId>

<artifactId>gherkin</artifactId>

<version>2.12.2</version>

<scope>compile</scope>

</dependency>

<dependency>

<groupId>org.hamcrest</groupId>

<artifactId>hamcrest-core</artifactId>

<version>1.3</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.12</version>

</dependency>

<dependency>

<groupId>com.vimalselvam</groupId>

<artifactId>cucumber-extentsreport</artifactId>

<version>3.0.2</version>

</dependency>

<dependency>

<groupId>com.aventstack</groupId>

<artifactId>extentreports</artifactId>

<version>3.1.2</version>

</dependency>

</dependencies>

