**Cucumber:**

1. **Add Plugin- Cucumber -** [**http://cucumber.github.com/cucumber-eclipse/update-site**](http://cucumber.github.com/cucumber-eclipse/update-site)
2. **Configure Jars**

**JARS: Download and Build the Jars (try to use same version of the Jars)**

* **cucumber-core**
* **cucumber-java**
* **cucumber-junit //donot need it**
* **cucumber-jvm-deps**
* **cucumber-reporting**
* **cucumber-testng**
* **gherkin**
* **junit**
* **mockito-all**
* **cobertura**

**or Maven Dependencies**

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.12</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/info.cukes/cucumber-junit -->

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-junit</artifactId>

<version>1.2.5</version>

</dependency>

<!-- https://mvnrepository.com/artifact/info.cukes/cucumber-java -->

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-java</artifactId>

<version>1.2.5</version>

</dependency>

<!-- https://mvnrepository.com/artifact/info.cukes/cucumber-core -->

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-core</artifactId>

<version>1.2.5</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-server -->

<dependency>

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

<artifactId>selenium-server</artifactId>

<version>3.0.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/info.cukes/cucumber-testng -->

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-testng</artifactId>

<version>1.2.5</version>

</dependency>

***Feature* Folder containing (.feature) files**

* **Feature:**
* **Scenario:**
  + **Given**
  + **When**
  + **Then**
  + **And**
  + **But**

**Make a Runner Class to run the cucumber feature file and the steps**

**With JUnit:**

**Having** @RunWith **and** @CucumberOptions

* @CucumberOptions-

1) feature (feature file folder name)

2) glue (Package name of Steps)

3)format (will give you reports)

4)tags (to run specific feature or scenario)

**With TestNG:**

We need to have

* @CucumberOptions and
* extends AbstractTestNGCucumberTests

**Running the runner class will help you with steps, so make a class out of the steps**

* We can have Scenario (for single test scenario) and Scenario Outline (Multiple but same test scenario)
* Scenario: Some cakes first SC

Given I have 10 cakes in my belly

When My userid and password

Then Quit the browser

* Scenario Outline:

Given I have <number> cakes in my belly

When My userid and password

Then Quit the browser

Examples:

|number|

|30|

|40|

**Integrate Selenium with Cucumber**

**To fetch multiple data from Feature file**

* **For number =(\\d+)**
* **For letters or single word=(**[**\\w**](file:///\\w)**+)**
* **For words containing special Characters use = (.\*) or (\\S+)**

**We have Before, After provided by Cucumber**

**@Tags to run with**

* **Position of tag determines to run a Scenario or a Feature file**
* **Multiple tags can be assigned**

**tags={"@sugat,@vish"}- to run scenario with two different tags**

**tags={"@vish","@sugat"}- no scenario was found**

**tags={"~@vish"}- will ignore @vish only and run all others**

**We can have reports using “Format” in Test runner class**

* **format = {"pretty","html:target/HTMLCucumberReport","json:target/Cucumber.json"},**

*Background***in cucumber is a concept that allows you to specify steps that are pre-requisite to all the scenarios in a given feature file.**

* Background:

Given the user is on landing page

When she chooses to sign up