BDD – Behavioral Driven Development.

<https://www.guru99.com/using-cucumber-selenium.html>

Cucumber – is a BDD Tool

It uses Gherkin Lang

## Basic Terms of Cucumber

* Feature File
* Features
* Tags
* [Scenario](https://www.javatpoint.com/test-scenario)
* Gherkin Language
* Step Definition

Login Example Feature File

**Feature:** Login Function

To enter in the System

User must be able to

Access software when login is successful

**Scenario:** Login

**Given** User has its Email

**And** Password

**When** User enters the correct Email and Password

**Then** It should be logged in

**Scenario:** Unsuccessful Login

**When** User enters either wrong Email or Password

**Then** It should be reverse back on the login page with an error message

Cucumber jars download url

<https://drive.google.com/uc?export=download&id=15Gvi0haORarpF6yxVzlMomDiNplr9SA3>

<https://cucumber.io/docs/guides/10-minute-tutorial/>

mvn archetype:generate "-DarchetypeGroupId=io.cucumber" "-DarchetypeArtifactId=cucumber-archetype" "-DarchetypeVersion=7.0.0" "-DgroupId=hellocucumber" "-DartifactId=hellocucumber" "-Dpackage=hellocucumber" "-Dversion=1.0.0-SNAPSHOT" "-DinteractiveMode=false"

If you are going to use the lambda expressions API (Java 8) to write the step definitions, add the following dependency to your pom.xml:

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java8</artifactId>

<version>7.0.0</version>

<scope>test</scope>

</dependency>

Otherwise, to write them using annotated methods, add the following dependency to your pom.xml:

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java</artifactId>

<version>7.0.0</version>

<scope>test</scope>

</dependency>

mvn clean install -Dcucumber.glue="package\_name\_of\_step\_definitions" \

-Dcucumber.plugin="pretty path\to\featurefiles"

mvn clean install -Dcucumber.glue="bank" -Dcucumber.plugin="pretty bank"

mvn clean install -Dcucumber.glue="package\_name\_of\_step\_definitions" \

-Dcucumber.plugin="pretty path\to\featurefiles"

mvn clean install -Dcucumber.glue="package\_name\_of\_step\_definitions" \

-Dcucumber.plugin="pretty path\to\featurefiles"

1. Front End (Web App HTML/CSS/JS/BootStrap…AJAX JSP)

View – html,jsp

Script – js

Style – css

Static – images, logos

1. Back End (src/main/java)

Com.revature.project1.main

Com.revature.project1.controller

Com.revature.project1.model

Com.revature.project1.exception

Com.revature.project1.repo

Com.revature.project1.util

Com.revature.project1.config

Com.revature.project1.service

(src/main/resource)

DBScript.sql

Properties file (logging, config)

(src/main/test/java)

Testcases JUnit

StepDefs

Mockito Test

Features/ test.feature

1. DB Layer

(SQL Script – With create, insert )

Readme.MD

Steps.txt