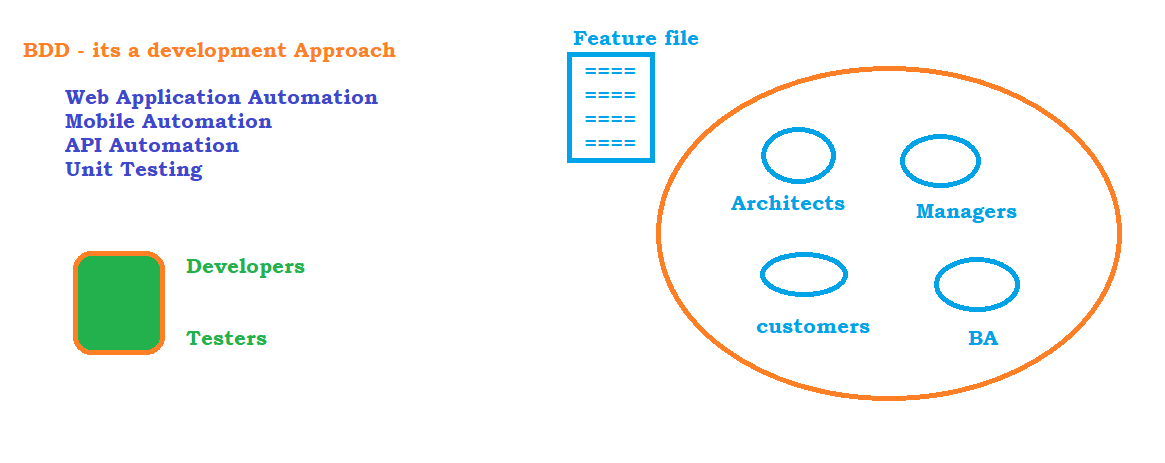
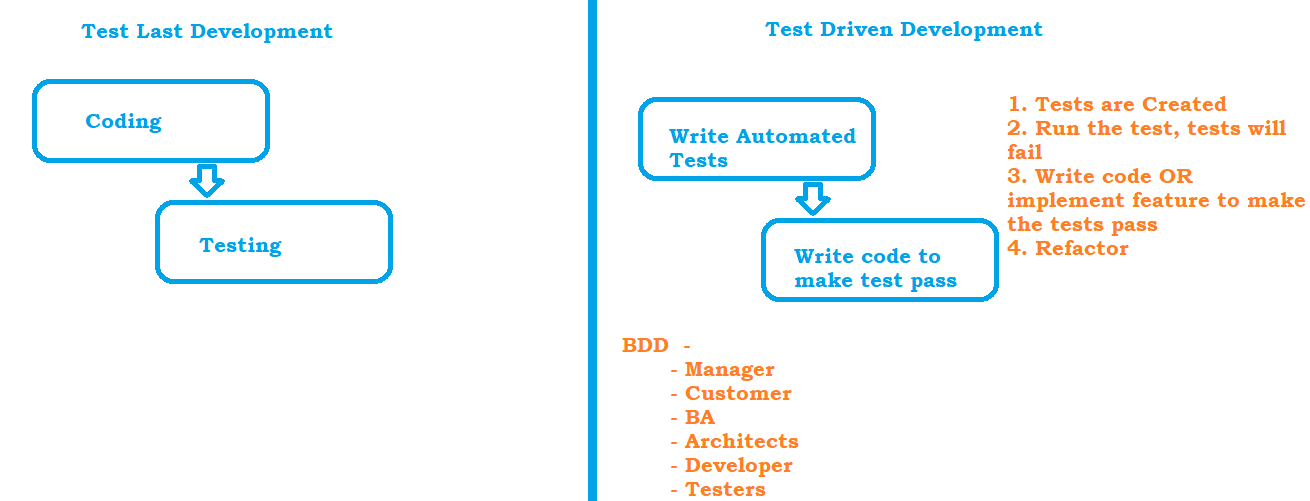
BDD Cucumber

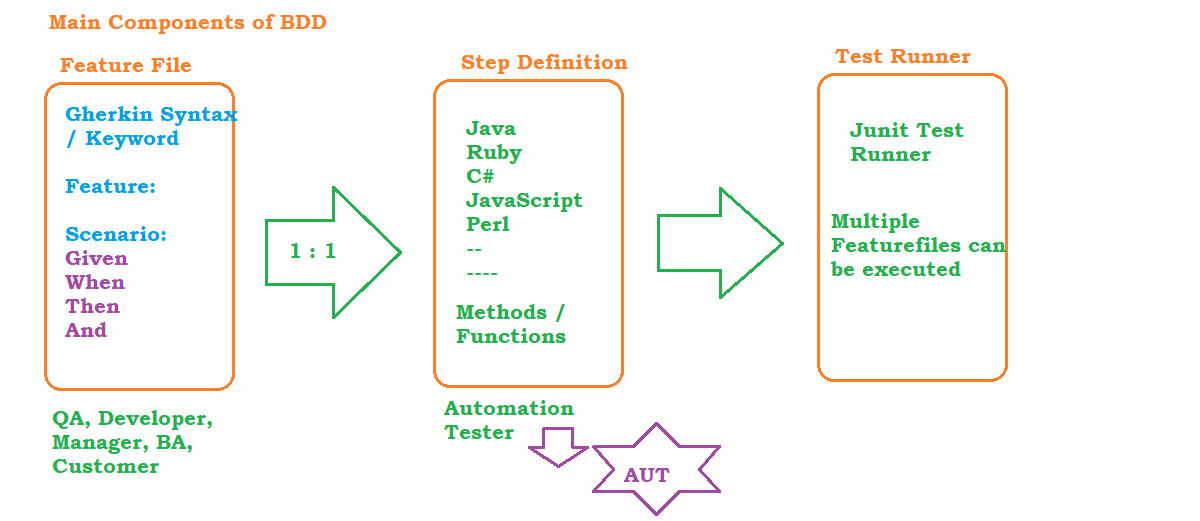
Official Web site - <https://cucumber.io/>



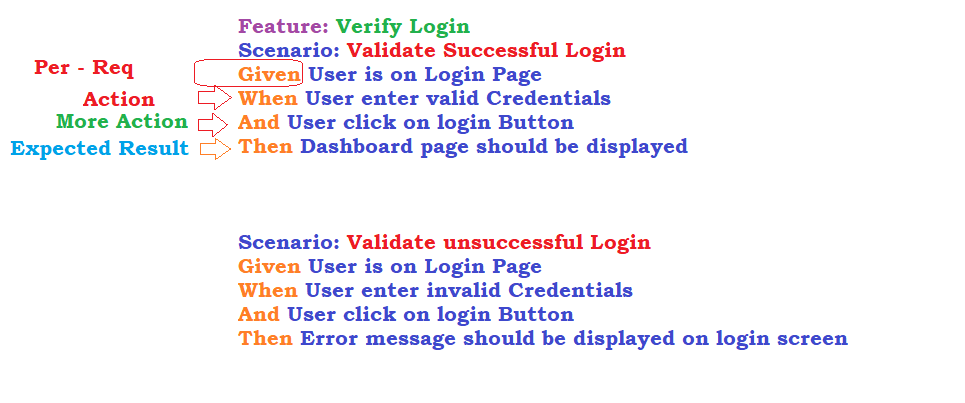
# Development Approach :



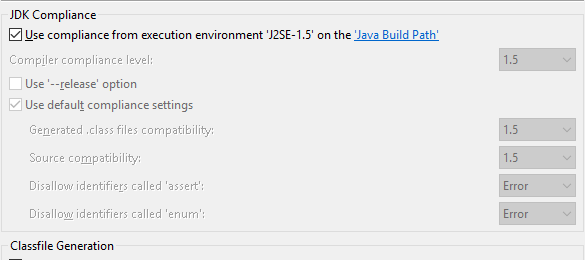
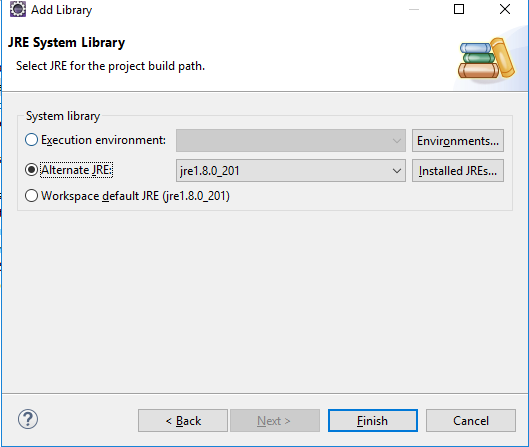
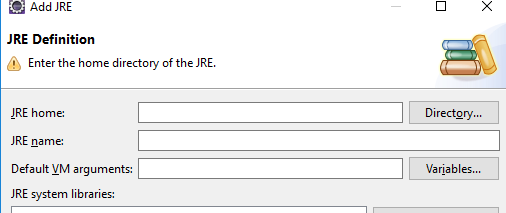
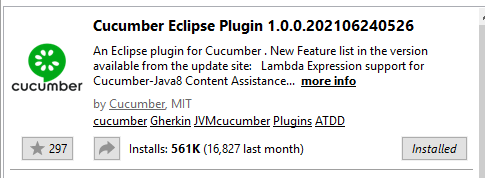
BDD – Components



# Sample Feature File :



Project Setup in Eclipse

* Download and install JDK1.8
  + <https://www.oracle.com/in/java/technologies/javase/javase8-archive-downloads.html>
* Update Environment Variables
  + JAVA\_HOME - C:\Program Files (x86)\Java
  + PATH - C:\Program Files (x86)\Java\jdk1.8.0\_341\bin
* Download and install Eclipse
  + <https://www.eclipse.org/downloads/>
  + <https://www.eclipse.org/downloads/packages/release/2022-09/r/eclipse-ide-java-developers>
* Create Maven Project
  + File-> New Maven Project
  + 
* Update JDK to what is installed in the system
  + Right click -> go to properties -> Java compiler -> update the JDK to 1.8 anc click on apply and close
  + 
* Update JRE to what is installed in the system and also JRE should be from JDK Folder
  + Right click -> go to properties -> Java build path ->
  + Click on libraries
  + Select JRE-1.5 and click on Remove button
  + Click on Add Library
  + Click on JRE System library
  + 
  + Click on installed JRE -> Click on ADD button
  + Standard VM
  + Browse and select JRE From JDK location
    - 
  + Apply and close
* Update POM.xml with the required dependencies
  + cucumber-java
  + cucumber-junit
  + junit
  + selenium
* Cucumber Plugin
  + Help -> Eclipse Market Place
  + 

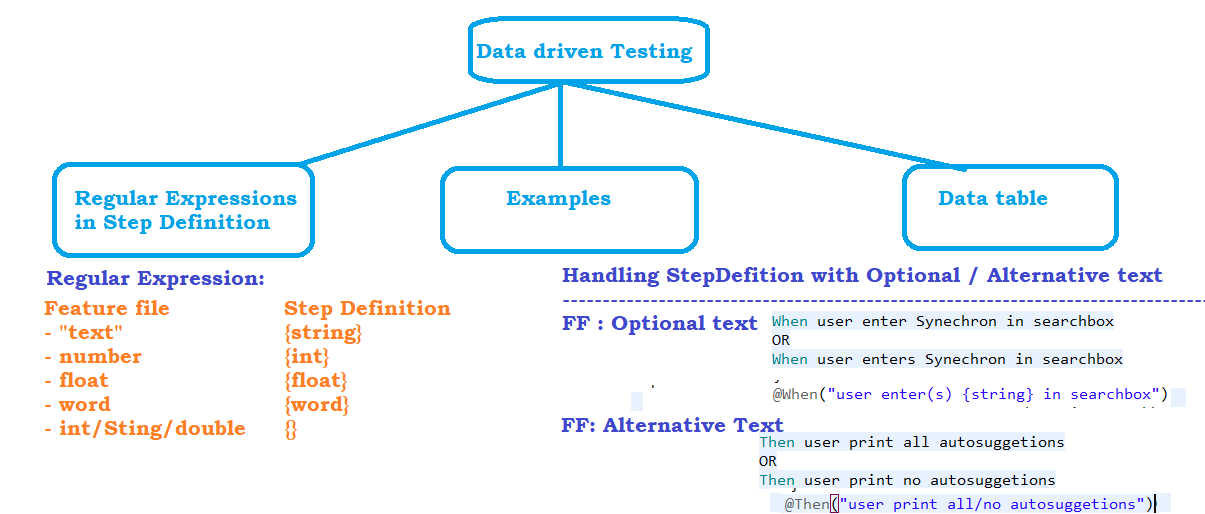
## Automate Driver Executables:

* update pom.xml with webdrivermanager library
* <https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager>

Data driven testing in BDD

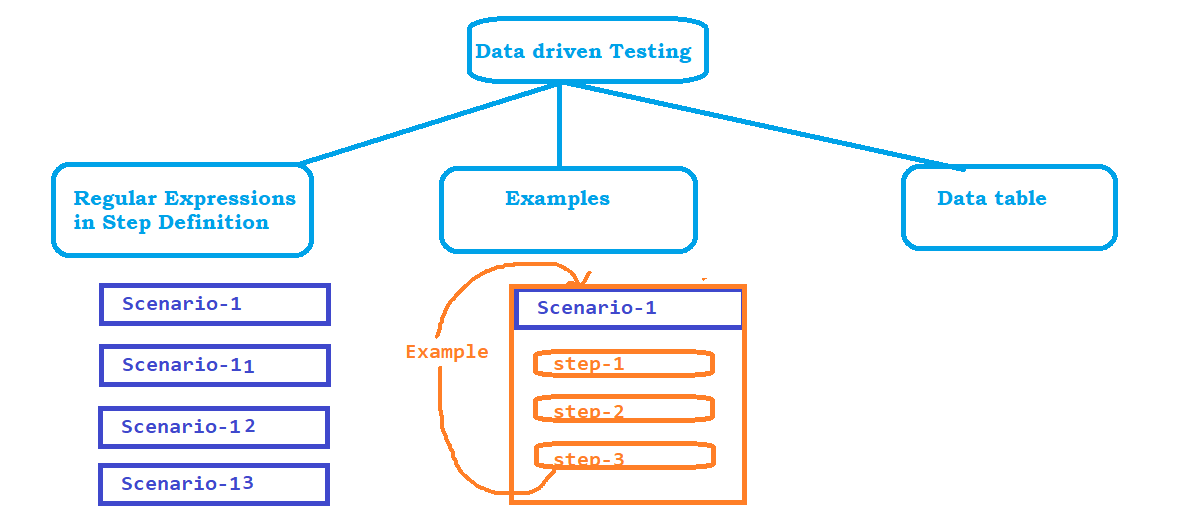
# Regular Expressions:

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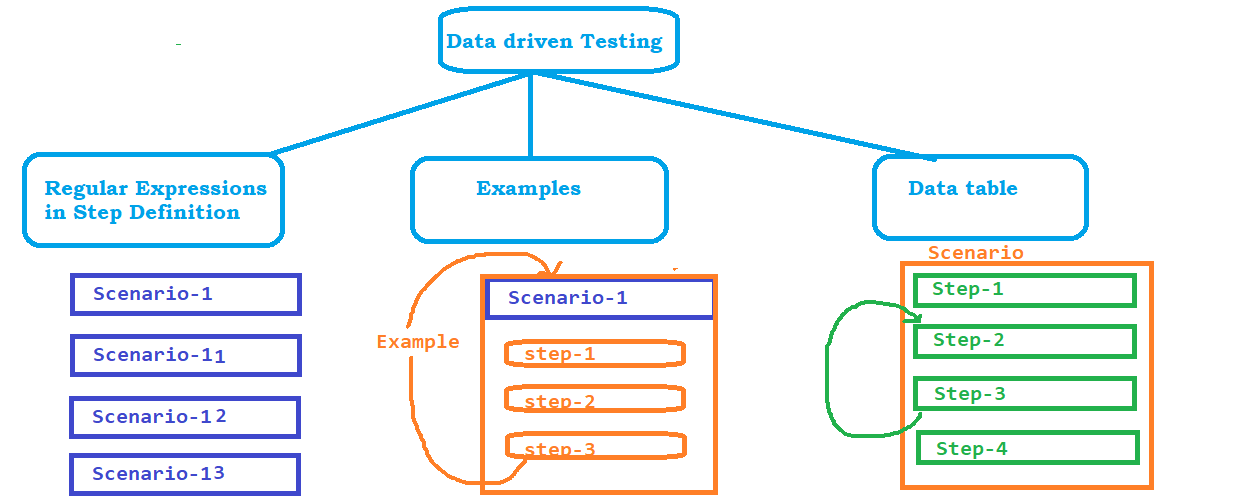
# Examples :

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# DataTables:

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### DataTable Data structure:

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# asList : - List<String>

| Bhargav | Joshi | teacher | Grad School | Female | 3 | 01/01/2001 |

# asLists : - List<List<Sting>>

| Pavan | Joshi | QA | College | Male | 1 | 18/10/1997 |

| Rajat | Joshi | DE | High School | Male | 2 | 27/07/2000 |

| Bhargav | Joshi | teacher | Grad School | Female | 3 | 01/01/2001 |

# asMap : Map<String, String>

**| fname | lname | jtitle | edu | sex | exp | dob |**

| Pavan | Joshi | QA | College | Male | 1 | 18/10/1997 |

# asMaps: List< Map<String, String>>

**| fname | lname | jtitle | edu | sex | exp | dob |**

| Pavan | Joshi | QA | College | Male | 1 | 18/10/1997 |

| Rajat | Joshi | DE | High School | Male | 2 | 27/07/2000 |

| Bhargav | Joshi | teacher | Grad School | Female | 3 | 01/01/2001 |

## Structure of Data

