**Pom.XML**

**Dependencies**

**Name**: Selenium HQ

**Version** : 4.1.0

**Description**: Provides WebDriver to Automate WebBrowser

**Name**: TestNG

**Version**: 7.4.0

**Description**: It makes automated tests more structured, readable, maintainable and user friendly. It provides many features and reporting

**Name**: Cucumber (JAVA)

**Version**: 6.8.1

**Description**: It is used to run test with java

**Name**: Cucumber (TestNG)

**Version**: 6.8.1

**Description**: Cucumber is a tool that supports Behaviour Driver Development(BDD) a software development process that aims to enhance software quality. TestNG is a testing framework inspired from Junit and NUnit.

**Name**: Master Thought (Reporting)

**Version**: 5.3.1

**Description**: Provides pretty HTML reports for cucumber. It works by generating html from the cucumber json file.

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**Name**: Log4j

**Version**: 1.2.17

**Description**: It is Java based logging utility. It is used to keep track of what happens in software application.

**Name:** slf4j

**Version**: 1.7.33

**Description**: Simple Logging Façade for Java acts as a façade for different logging frameworks (e.g java. util. logging, logback, log4j)

**Name**: aventstack (Extent Reports)

**Version**: 4.0.9

**Description**: Extent reports is used for creating visually attractive reports during test automation. It produces HTML based documents in graphs, pie charts, screen shots, custom logs and test summaries in Java and .Net

**Name**: Cucumber (jvm deps)

**Version**: 1.0.6

**Description**: Cucumber jvm is a transitive dependency (it’s a pom) and the version of Junit.

**Name**: Apache poi

**Version**: 4.1.2

**Description**: It provides stream-based processing which is useful for large files and takes less memory. It is helpful for handling multiple formats of spreadsheets.

**Name**: Apache poi (OOXML)

**Version**: 4.1.2

**Description**: It provides Java API for manipulating various file formats based on Office Open XML (OOXML) standard.

**Name**: Oracle Database

**Version**: 19.7.0.0

**Description**: It provides database connectivity to oracle database server through the standard JDBC API available in Java

**Name**: GitHub BoniGarcia (Web Driver Manager)

**Version**: 5.0.3

**Description**: WebDriverManager automates the Browser setup in the selenium code. It downloads the latest version of browser.

**Name**: Apache Commons

**Version**: 3.8.1

**Description**: It is a full featured package of utility classes which aimed to extending the functionality of the Java API

**Name**: Mybatis

**Version**: 3.5.6

**Description**: It simplifies the implementation of database access. It provides support for custom SQL, stored procedures, and different types of mapping relations.

**Profiles**

**Regression Suite** – Includes all test cases from all modules and runs in Jenkins every Saturday Night

**Business Regression Suite –** Includes all test cases of every Business module and runs in Jenkins every Monday and Wednesday Night

**Release 2021 Suite –** Includes all test cases from Release 2021 and runs in Jenkins every Monday and Wednesday Night

**Release 2022 Suite -** Includes all test cases from Release 2022 and runs in Jenkins every Monday and Wednesday Night

**Sample Suite** – Includes all sample test cases

**Plugins**

**Maven Clean Plugin**: It attempts to clean files and directories generated by Maven during its build.

**Maven Resources Plugin**: It copies files from input directories to an output directory. It has three goals.

1. resources – copy resources that are part of the main source code to the main output directory
2. testResources – copy resources that are part of the test source code to the test output directory
3. copy-resources – copy arbitrary resources files to an output directory, requiring us to specify the input files and output directory

**Maven Compiler Plugin**: It is used to compile the source code of Maven project. It has two goals.

1. Compile- compile main source files
2. Testcompile – compile test source files

**Apache Maven Plugin**: It is used to perform specific goal. There are two types of maven plugin.

1. Build – These plugins are executed at the time of build. These plugins should be declared inside the <build> element.
2. Reporting- These plugins are executed at the time of site generation. These plugins should be declared inside <reporting> element.

**TestNG XML Runner/Regression.xml**: This xml file contains all test cases from the Regression suite.

**Maven Jar Plugin:** It provides the capability to build jars files that contains a set of resource files or java class files.

**Maven Install Plugin:** The install plugin is used during the install phase to add artifact to the local repository. The Install plugin uses the information in the POM to determine the proper location for the artifact within local repository.

**Maven Deploy Plugin**: The deploy plugin is primarily used during the deploy phase, to add your artifact to remote repository for sharing with other developers and projects.