# **Automated Testing Documentation for PlatinumRx Application**

## **Introduction**

This document provides instructions on how to set up and run automated test scripts for the PlatinumRx application using Selenium WebDriver with TestNG.

## **Prerequisites**

Before you begin, ensure you have the following software installed on your system:

* **Java Development Kit (JDK)**
* **Maven**
* **IDE:** Use an Integrated Development Environment (IDE) like IntelliJ IDEA, Eclipse, or Spring Tool Suite (STS). I have used the Spring tool suite for writing Script.
* **WebDriver:** Download the ChromeDriver or the appropriate WebDriver for your browser.

## **Setup**

### **1. Verify Java and Maven Installation**

Ensure JDK and Maven are installed correctly by running the following commands in your terminal or command prompt:

java -version

mvn -version

Both commands should display the installed versions of Java and Maven.

### **2. Create a Maven Project**

1. Open your IDE and create a new Maven project.
2. Add the necessary dependencies to your pom.xml file for Selenium and TestNG. I have added the following dependencies:
3. Selenium java (4.19.1)
4. webdrivermanager(5.7.0)
5. testng(7.9.0)
6. rest-assured(4.5.1)
7. json-simple(1.1.1)
8. jsoup(1.15.3)
9. xml-path(4.5.1)
10. Update your Maven project to download the dependencies.

### **3. Download WebDriver**

## **Running the Tests**

### **Using Maven**

1. **Open a terminal or command prompt.**

**Navigate to the root directory of your Maven project.**cd path/to/your/maven/project

**Execute the following command to run the TestNG tests:**  
mvn test

### **Using IDE (e.g., IntelliJ IDEA, Eclipse, STS)**

1. **Open your project in the IDE.**
2. **Locate the test class you want to run.** This will be in the src/test/java directory.
3. **Right-click on the test class and select "Run As" -> "TestNG Test".**

### **Verifying Test Results**

* **Maven:** After running the tests, Maven will display the test results in the terminal or command prompt. You can also find a detailed report in the target/surefire-reports directory of your project.
* **IDE:** The test results will be displayed in the TestNG panel of your IDE, showing which tests passed and which failed.