

Selenium Maven Project – SwagLab Login Test

Part 1: Create Maven Project in Eclipse

1. Open Eclipse IDE.
2. Go to: File → New → Maven Project.
3. Check “Create a simple project (skip archetype selection)” → Next.
4. Fill details:
 - Group ID: com.seleniumproject
 - Artifact ID: SwagLabTest
 - Version: 0.0.1-SNAPSHOT
 - Packaging: jar
5. Click Finish.
6. Structure will appear as:

```
SwagLabTest
├── src/main/java
├── src/test/java
└── pom.xml
```

Part 2: Add Dependencies in pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
    https://maven.apache.org/xsd/maven-4.0.0.xsd">

    <modelVersion>4.0.0</modelVersion>
    <groupId>com.seleniumproject</groupId>
    <artifactId>SwagLabTest</artifactId>
    <version>0.0.1-SNAPSHOT</version>

    <dependencies>
        <!-- Selenium Java -->
        <dependency>
            <groupId>org.seleniumhq.selenium</groupId>
            <artifactId>selenium-java</artifactId>
            <version>4.25.0</version>
        </dependency>

        <!-- WebDriverManager to handle ChromeDriver automatically -
        ->
```

```
<dependency>
    <groupId>io.github.bonigarcia</groupId>
    <artifactId>webdrivermanager</artifactId>
    <version>5.9.2</version>
</dependency>

<!-- TestNG for testing framework -->
<dependency>
    <groupId>org.testng</groupId>
    <artifactId>testng</artifactId>
    <version>7.10.2</version>
    <scope>test</scope>
</dependency>
</dependencies>
</project>
```

Part 3: Create Test Class

Create a new class:

src/test/java/com/seleniumproject/SwagLabLoginTest.java

```
package com.seleniumproject;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;

public class SwagLabLoginTest {

    public static void main(String[] args) throws
InterruptedException {
    WebDriverManager.chromedriver().setup();
    WebDriver driver = new ChromeDriver();
    driver.manage().window().maximize();

    driver.get("https://www.saucedemo.com/");

    WebElement username = driver.findElement(By.id("user-
name"));
    WebElement password = driver.findElement(By.id("password"));

    // Add test logic here
}
```

```

WebElement loginButton = driver.findElement(By.id("login-button"));

username.sendKeys("standard_user");
password.sendKeys("secret_sauce");
loginButton.click();

Thread.sleep(3000);

String title = driver.getTitle();
System.out.println("Page Title After Login: " + title);

if (driver.getCurrentUrl().contains("inventory")) {
    System.out.println("✓Login Successful — Test Passed!");
} else {
    System.out.println("✗Login Failed — Test Failed!");
}

driver.quit();
}
}

```

Notes

- Username: standard_user
- Password: secret_sauce
- WebDriverManager automatically matches your ChromeDriver to the installed browser version.
- Keep Selenium and Chrome up-to-date for compatibility.

Expected Output

Page Title After Login: Swag Labs
 ✓Login Successful — Test Passed!