

## 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
    http://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>
```

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### 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"));
```

```
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();  
}  
}
```

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## 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!