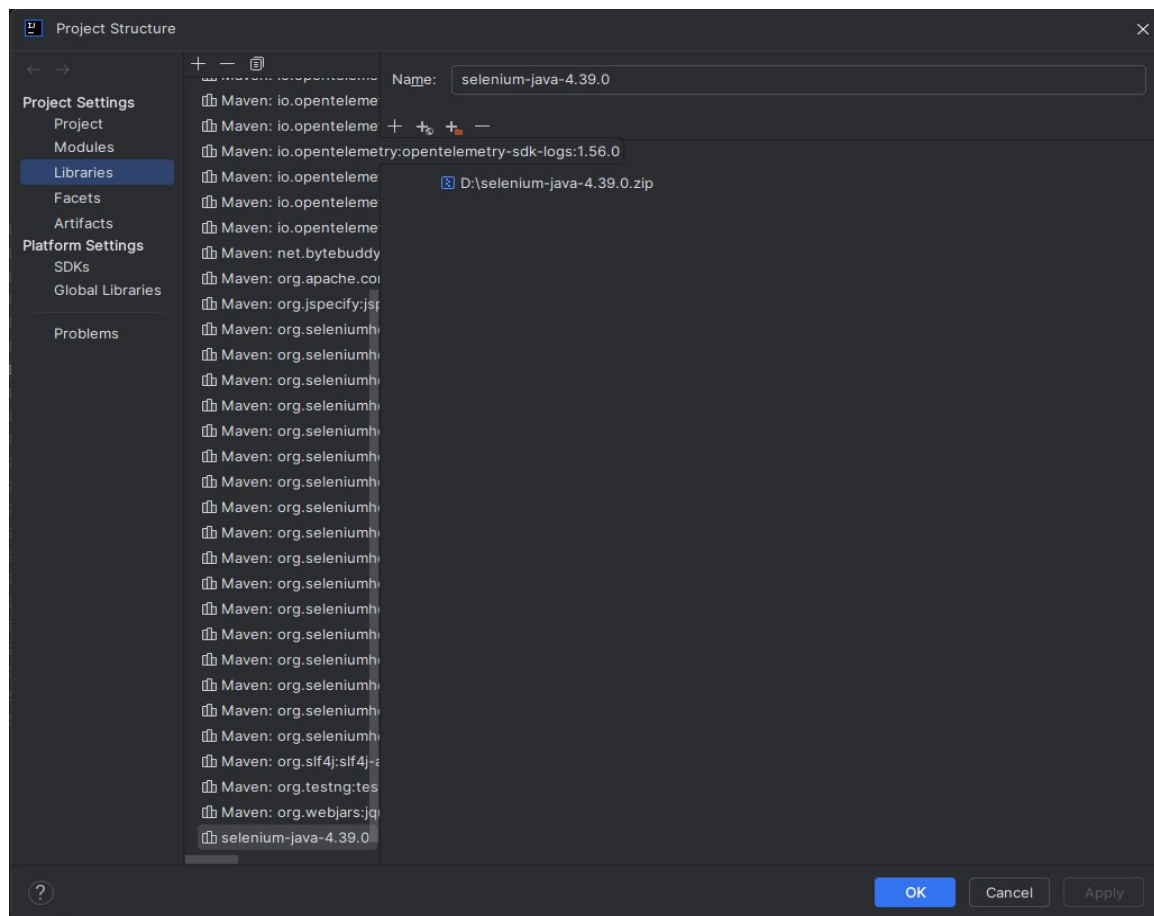


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## Bài 2: Selenium WebDriver sử dụng Maven

```
GoogleTest.java pom.xml (Lab5_Selenium_TestNG) LoginTest.java
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0"
3   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5     https://maven.apache.org/xsd/maven-4.0.0.xsd">
6
7   <modelVersion>4.0.0</modelVersion>
8
9   <!-- Thông tin project -->
10  <groupId>fpoly</groupId>
11  <artifactId>Lab5_Selenium_TestNG</artifactId>
12  <version>1.0-SNAPSHOT</version>
13
14  <!-- Cấu hình Java -->
15  <properties>
16    <maven.compiler.source>17</maven.compiler.source>
17    <maven.compiler.target>17</maven.compiler.target>
18    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
19  </properties>
20
21  <dependencies>
22
23    <!-- Selenium WebDriver -->
24    <dependency>
25      <groupId>org.seleniumhq.selenium</groupId>
26      <artifactId>selenium-java</artifactId>
27      <version>4.39.0</version>
28    </dependency>
29
30    <!-- TestNG -->
31    <dependency>
32      <groupId>org.testng</groupId>
33      <artifactId>testng</artifactId>
34      <version>7.10.2</version>
35      <scope>test</scope>
36    </dependency>
37  </dependencies>
38
39  </project>
40
41
```

```
GoogleTest.java pom.xml (Lab5_Selenium_TestNG) LoginTest.java
1 package fpoly;
2
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.chrome.ChromeDriver;
5
6 public class GoogleTest { new *
7
8   public static void main(String[] args) { new *
9
10     // Khởi tạo Chrome
11     WebDriver driver = new ChromeDriver();
12
13     // Mở Google
14     driver.get("https://www.google.com");
15
16     // In title
17     String title = driver.getTitle();
18     System.out.println("Title website: " + title);
19
20     // Kiểm tra title
21     if (title.equals("Google")) {
22       System.out.println("TEST PASSED");
23     } else {
24       System.out.println("TEST FAILED");
25     }
26
27     // Đóng trình duyệt
28     driver.quit();
29   }
30 }
31
```

### Bài 3: Kết hợp TestNG và Selenium

```
1 package fpoly;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.chrome.ChromeDriver;
6 import org.testng.Assert;
7 import org.testng.annotations.Test;
8
9 public class LoginTest {
10
11     @Test
12     public void testLoginSuccess() {
13
14         WebDriver driver = new ChromeDriver();
15
16         driver.get("https://the-internet.herokuapp.com/login");
17
18         driver.findElement(By.id("username"))
19             .sendKeys(KeysToSend.tonsmith);
20
21         driver.findElement(By.id("password"))
22             .sendKeys(KeysToSend.SuperSecretPassword!);
23
24         driver.findElement(By.tagName("button")).click();
25
26         String message = driver.findElement(By.id("flash")).getText();
27         Assert.assertTrue(message.contains("You logged into a secure area"));
28
29         driver.quit();
30     }
31 }
32
```

### III. Kết quả

- Selenium mở trình duyệt Chrome và truy cập website thành công.
- Test case kiểm thử title website Google cho kết quả PASS.
- TestNG thực thi test case đăng nhập và kết quả PASS.