### **Project Architecture**

```
Project17Sep
  # src/main/java
  🗸 🎹 Base
     > J TestBase.java
  Pages
     > J LoginPage.java
  src/main/resources
src/test/java

✓ 

H
TestCases

     > J LoginPageTest.java
  src/test/resources
> A JRE System Library [J2SE-1.5]
> Maven Dependencies
> 🮏 src
   😕 target
   > test-output
   mx.mod
```

# **Base Package**

#### **TestBase Class**

```
package Base;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;
public class TestBase {
    public static WebDriver driver; //Global and Public
    public void initalization()
    {
        WebDriverManager.chromedriver().setup();
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.saucedemo.com/");
    }
}
```

### **Pages Package**

#### LoginPage class

```
package Pages;
import Base.TestBase;
public class LoginPage extends TestBase {
    public String verifyTitle() throws Exception
    {
        Thread.sleep(2000);
        return driver.getTitle();
    }
}
//static method - use only static
//non static method - No restriction
```

## **Testcases Package**

```
LoginPageTest Class
package TestCases;
import org.testng.Assert;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Test;
import Base.TestBase;
import Pages.LoginPage;
public class LoginPageTest extends TestBase {
      LoginPage login;// = new LoginPage();
      @BeforeMethod
      public void setup()
             initalization();
             login = new LoginPage();
      }
      @Test
      public void verifyTitleTest() throws Exception
```

```
String expTitle = "Swag Labs";
             String actTitle = login.verifyTitle();
             Assert.assertEquals(expTitle, actTitle);
      }
      @Test
      public void verifyTitleTest1() throws Exception
             String expTitle = "Swag Labs";
             String actTitle = login.verifyTitle();
             Assert.assertEquals(expTitle, actTitle);
      }
      @AfterMethod
      public void closeBrowser()
             driver.close();
}
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>Project17Sep</groupId>
 <artifactId>Project17Sep</artifactId>
 <version>0.0.1-SNAPSHOT</version>
 <dependencies>
 <dependency>
  <groupId>org.seleniumhq.selenium
  <artifactId>selenium-java</artifactId>
  <version>4.0.0</version>
</dependency>
 <dependency>
  <groupId>org.testng/groupId>
  <artifactId>testng</artifactId>
  <version>7.0.0</version>
  <scope>test</scope>
</dependency>
<dependency>
```

<groupId>io.github.bonigarcia/groupId>
<artifactId>webdrivermanager</artifactId>

```
<version>5.0.3</version>
</dependency>
</dependencies>
</project>
```