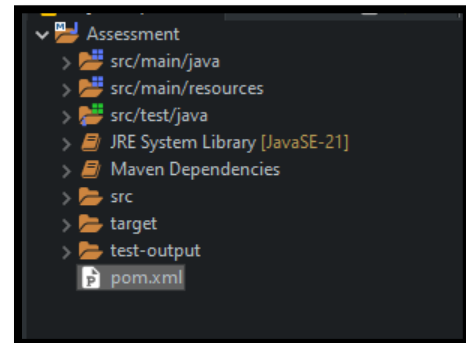


# **Sumerge Associated Quality Control Automation Assessment**

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## 1- Selenium WebDriver Setup

**First**, we installed Java and Maven on our operating system and used Eclipse as our code editor to build a Maven project called “Assessment”.



**Next**, we added all the required dependencies using the POM XML file of Maven. We included the following three dependencies:

1. Selenium-Java
2. WebDriver manager
3. TestNG

```
<dependencies>

  <!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
  <dependency>
    <groupId>org.seleniumhq.selenium</groupId>
    <artifactId>selenium-java</artifactId>
    <version>4.21.0</version>
  </dependency>

  <!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->
  <dependency>
    <groupId>io.github.bonigarcia</groupId>
    <artifactId>webdrivermanager</artifactId>
    <version>5.8.0</version>
  </dependency>

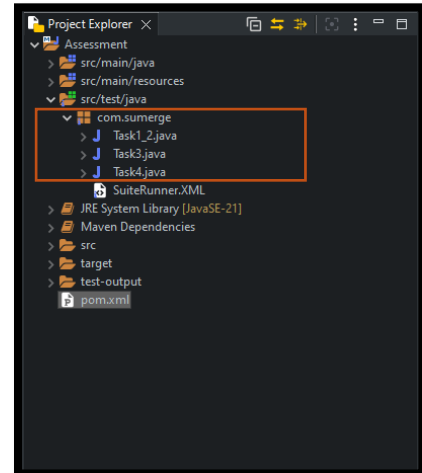
  <!-- https://mvnrepository.com/artifact/org.testng/testng -->
  <dependency>
    <groupId>org.testng</groupId>
    <artifactId>testng</artifactId>
    <version>7.10.2</version>
    <scope>test</scope>
  </dependency>

</dependencies>
```

After that, we created three classes for test cases:

### 1. Task1\_2

- Check that the basic elements of the login page are visible.
- Verify that a user can log in using a valid username and matching password.



### 2. Task3

- Verify that a user cannot log in using an invalid username and password, and receives an error message stating:

**"Epic sadface: Username and password do not match any user in this service"**

### 3. Task4

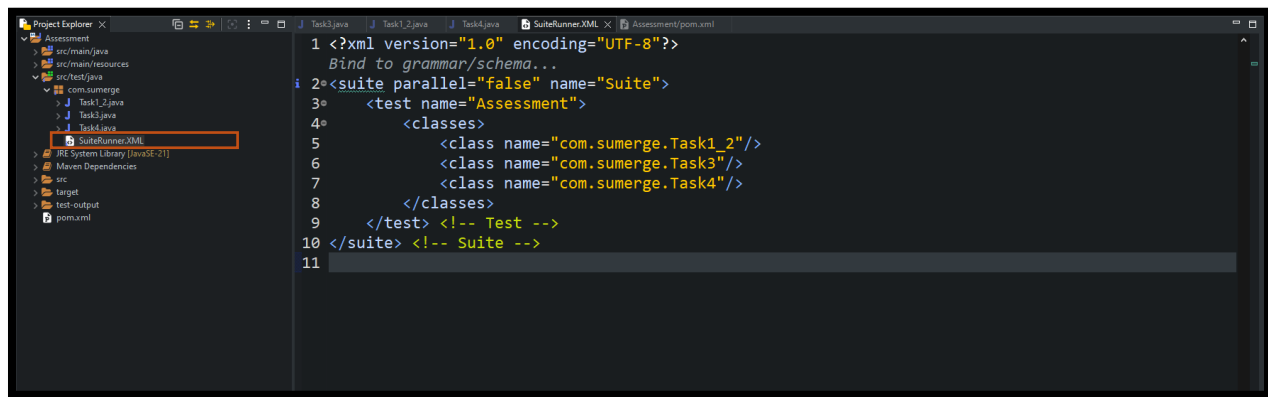
- Verify that a user cannot log in with an empty username and receives an error message stating:

**"Epic sadface: Username is required"**

- Verify that a user cannot log in with an empty password and receives an error message stating:

**"Epic sadface: Password is required"**

After implementing the test cases, we created a test suite to run all classes together called “SuiteRunner”.



## 2- Test Results

