**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.demo</groupId>

<artifactId>LoginBDD</artifactId>

<version>1.0-SNAPSHOT</version>

<properties>

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

</properties>

<dependencies>

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java</artifactId>

<version>7.11.0</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-junit</artifactId>

<version>7.11.0</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>4.8.3</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-surefire-plugin</artifactId>

<version>3.0.0-M7</version>

<configuration>

<includes>

<include>\*\*/TestRunner.java</include>

</includes>

</configuration>

</plugin>

</plugins>

</build>

</project>

**Login.feature**

Feature: User Login

Scenario: Successful login with valid credentials

Given I launch the login page

When I enter valid credentials

And I click login

Then I should see a secure area message

Scenario: Unsuccessful login with invalid credentials

Given I launch the login page

When I enter invalid credentials

And I click login

Then I should see an error message

**Hooks.java**

package stepdefs;

import io.cucumber.java.\*;

import org.openqa.selenium.\*;

import org.openqa.selenium.chrome.ChromeDriver;

public class Hooks {

public static WebDriver *driver*;

*@Before*(order = 0)

public void logStart() {

System.***out***.println("script start execution when execution start");

}

*@Before*(order = 1)

public void setup() {

System.*setProperty*(

"webdriver.chrome.driver",

"C:/tools/chromedriver/chromedriver.exe"

);

*driver* = new ChromeDriver();

*driver*.manage().window().maximize();

}

*@After*(order = 1)

public void teardown() {

if (*driver* != null) {

*driver*.quit();

}

}

*@After*(order = 0)

public void logEnd() {

System.***out***.println("script End execution when execution End");

}

}

**LoginSteps.java**

package stepdefs;

import io.cucumber.java.en.\*;

import org.junit.Assert;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

public class LoginSteps {

// reuse the driver from Hooks

private final WebDriver driver = Hooks.*driver*;

*@Given*("I launch the login page")

public void launchLoginPage() {

driver.get("https://the-internet.herokuapp.com/login");

}

*@When*("I enter valid credentials")

public void validCredentials() {

driver.findElement(By.*id*("username")).sendKeys("tomsmith");

driver.findElement(By.*id*("password")).sendKeys("SuperSecretPassword!");

}

*@When*("I enter invalid credentials")

public void invalidCredentials() {

driver.findElement(By.*id*("username")).sendKeys("baduser");

driver.findElement(By.*id*("password")).sendKeys("badpass");

}

*@And*("I click login")

public void clickLogin() {

driver.findElement(By.*cssSelector*("button[type='submit']")).click();

}

*@Then*("I should see a secure area message")

public void secureAreaMessage() {

String text = driver.findElement(By.*id*("flash")).getText();

Assert.*assertTrue*(text.contains("You logged into a secure area!"));

}

*@Then*("I should see an error message")

public void errorMessage() {

String text = driver.findElement(By.*id*("flash")).getText();

Assert.*assertTrue*(text.contains("Your username is invalid!"));

}

}

**TestRunner.java**

package testrunner;

import io.cucumber.junit.\*;

import org.junit.runner.RunWith;

*@RunWith*(Cucumber.class)

*@CucumberOptions*(

features = "src/test/resources/features",

glue = "stepdefs",

plugin = {"pretty","html:target/cucumber-report.html"}

)

public class TestRunner { }

**Output Screenshots**









