**7. Perform automation testing for launching and closing the website after hold of few seconds using Selenium and Intellij.**

**Prerequisites**

1. **Java Development Kit (JDK)** installed.
2. **IntelliJ IDEA** IDE installed.
3. **Selenium WebDriver** library added to the project.

**Steps to Set Up the Project**

**1. Create a New Project in IntelliJ IDEA**

1. Open IntelliJ IDEA and create a new Java project.
2. Add the Selenium WebDriver dependency to your project. You can do this by adding the following lines to your pom.xml file if you're using Maven:

xml

<dependencies>

<dependency>

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

<artifactId>selenium-java</artifactId>

<version>3.141.59</version>

</dependency>

</dependencies>

**2. Write the Test Script**

Create a new Java class in your project and write the following test script to launch and close a website after holding for a few seconds.

**Example Test Script**

java

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class LaunchAndCloseWebsite {

public static void main(String[] args) {

// Set the path of the ChromeDriver executable

System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");

// Initialize WebDriver

WebDriver driver = new ChromeDriver();

try {

// Launch the website

driver.get("https://www.example.com");

// Hold for a few seconds

Thread.sleep(5000); // Sleeps for 5 seconds

} catch (InterruptedException e) {

e.printStackTrace();

} finally {

// Close the browser

driver.quit();

}

}

}

**Explanation of the Code**

* **Set Up WebDriver**: Configure the path to your chromedriver executable.

java

System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");

* **Initialize WebDriver**: Create an instance of ChromeDriver.

java

WebDriver driver = new ChromeDriver();

* **Launch Website**: Use driver.get("https://www.example.com") to open the desired website.

java

driver.get("https://www.example.com");

* **Hold for a Few Seconds**: Use Thread.sleep(5000) to pause the execution for 5 seconds.

java

Thread.sleep(5000);

* **Close Browser**: Ensure the browser is closed after the test execution.

java

driver.quit();

**Running the Test**

1. Save the Java file with the test script.
2. Run the main method in IntelliJ IDEA to execute the test.

This script will open the browser, navigate to the specified URL, hold for 5 seconds, and then close the browser. You can adjust the URL and the sleep duration as needed.

Let me know if you need any further assistance or additional details! 😊