


Email login page




Find your email

Enter your phone number or recovery email

Phone number or email

[Next](#)

Correct email



Sign in


Use your Google Account

Email or phone

[Forgot email?](#)


Not your computer? Use Guest mode to sign in privately.
[Learn more about using Guest mode](#)

[Create account](#) [Next](#)




Verify that it's you

To help keep your account safe, Google wants to make sure that it's really you trying to sign in [Learn more](#)

 sa.l.lyr.e.sh.an@gmail.com


Confirm that you're not a robot

☐ I'm not a robot


reCAPTCHA
[Privacy](#) · [Terms](#)

[Try another way](#) [Next](#)

Invalid email



Sign in

Use your Google Account

Email or phone

aa

! Couldn't find your Google Account


[Forgot email?](#)

Not your computer? Use Guest mode to sign in privately.
[Learn more about using Guest mode](#)

Create account

Next

Create new Account



Create a Google Account

Enter your name

First name

Surname (optional)

Next

```

package day21;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
import java.time.Duration;

public class GmailLoginTestIncorrectEmail {
    public static void main(String[] args) {
        // Initialize the Chrome WebDriver
        WebDriver driver = new ChromeDriver();

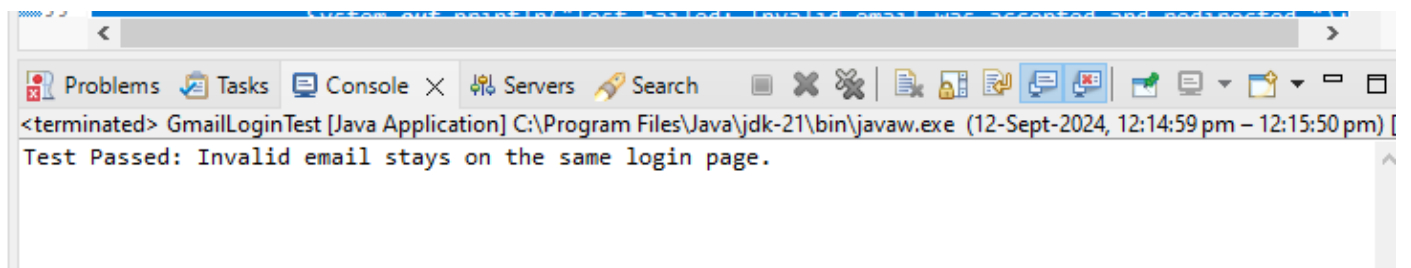
        try {
            // Navigate to Gmail login page
            driver.get("https://mail.google.com/");

            // Test: Enter wrong email and check if it stays on the same page
            WebElement emailField = driver.findElement(By.id("identifierId"));
            emailField.sendKeys("aa"); // Enter an invalid email
            driver.findElement(By.id("identifierNext")).click(); // Click Next button

            // Wait for error message or for the page to stay on the login page
            new WebDriverWait(driver, Duration.ofSeconds(10))
                .until(ExpectedConditions.urlContains("identifier"));

            String currentUrl = driver.getCurrentUrl();
            if (currentUrl.contains("identifier")) {
                System.out.println("Test Passed: Invalid email stays on the same login page.");
            } else {
                System.out.println("Test Failed: Invalid email was accepted and redirected.");
            }
        } finally {
            // Close the browser
            driver.quit();
        }
    }
}

```



```

package day21;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

import java.time.Duration;

public class GmailNextButtonTest {
    public static void main(String[] args) {
        // Initialize the Chrome WebDriver
        WebDriver driver = new ChromeDriver();

        try {
            // Navigate to Gmail login page
            driver.get("https://mail.google.com/");

            // Create WebDriverWait instance with the new constructor
            WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));

            // Store the current page URL
            String initialURL = driver.getCurrentUrl();

            // Wait for the "Next" button to be clickable
            WebElement nextButton =
wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//span[contains(text(),'Next')]")))
);

            // Click on "Next" button without entering email
            nextButton.click();

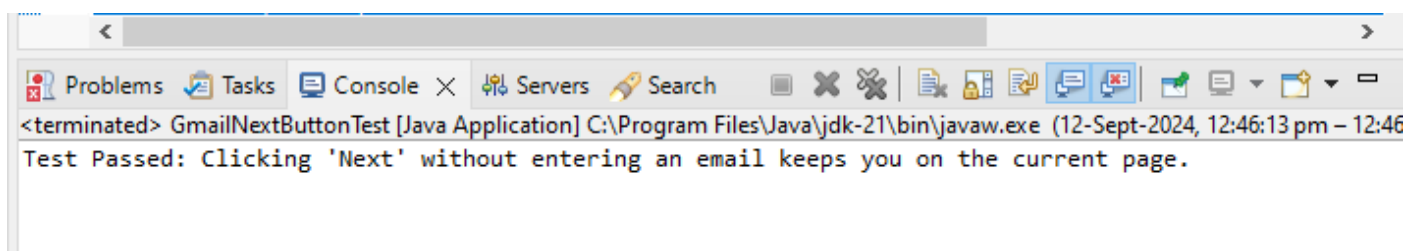
            // Wait for a short period to allow any potential error message to appear
            Thread.sleep(3000); // Simple wait, can be replaced with WebDriverWait if needed

            // Get the new page URL
            String newURL = driver.getCurrentUrl();

            // Check if the URL has not changed
            if (initialURL.equals(newURL)) {
                System.out.println("Test Passed: Clicking 'Next' without entering an email
keeps you on the current page.");
            } else {
                System.out.println("Test Failed: The page changed unexpectedly.");
            }

        } catch (InterruptedException e) {
            e.printStackTrace();
        } finally {
            // Close the browser
            driver.quit();
        }
    }
}

```



```

package day21;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class GmailLoginTestCorrectEmail {
    public static void main(String[] args) {
        // Initialize the Chrome WebDriver
        WebDriver driver = new ChromeDriver();

        try {
            // Navigate to Gmail login page
            driver.get("https://mail.google.com/");

            // Store the current page URL
            String initialURL = driver.getCurrentUrl();

            // Test: Enter correct email and check if it goes to a new page
            driver.findElement(By.id("identifierId")).sendKeys("ashuyadav929@gmail.com"); //
Enter a valid email
            driver.findElement(By.id("identifierNext")).click(); // Click Next button

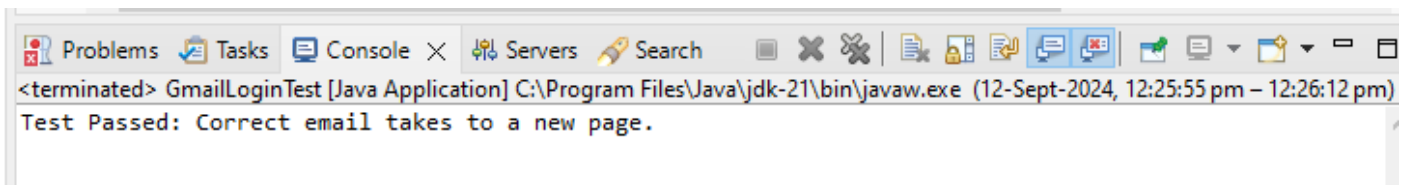
            // Wait for the page to load and check the URL
            Thread.sleep(5000); // Adding a simple wait for the page to load (can replace with
WebDriverWait if needed)

            // Get the new page URL
            String newURL = driver.getCurrentUrl();

            // Check if the URL has changed
            if (!initialURL.equals(newURL)) {
                System.out.println("Test Passed: Correct email takes to a new page.");
            } else {
                System.out.println("Test Failed: The page did not change.");
            }

        } catch (InterruptedException e) {
            e.printStackTrace();
        } finally {
            // Close the browser
            driver.quit();
        }
    }
}

```



```

package day21;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class GmailForgotEmailTest {
    public static void main(String[] args) {
        // Initialize the Chrome WebDriver
        WebDriver driver = new ChromeDriver();

        try {
            // Navigate to Gmail login page
            driver.get("https://mail.google.com/");

            // Store the current page URL
            String initialURL = driver.getCurrentUrl();

            // Test: Click on "Forgot email?" and check if it navigates to a new page
            driver.findElement(By.xpath("//button[contains(text(),'Forgot email?')]")).click();
            // Click "Forgot email?" button

            // Wait for the new page to load
            Thread.sleep(5000); // Simple wait, can be replaced with WebDriverWait if needed

            // Get the new page URL
            String newURL = driver.getCurrentUrl();

            // Check if the URL has changed
            if (!initialURL.equals(newURL)) {
                System.out.println("Test Passed: 'Forgot email?' takes to a new page.");
            } else {
                System.out.println("Test Failed: The page did not change.");
            }

        } catch (InterruptedException e) {
            e.printStackTrace();
        } finally {
            // Close the browser
            driver.quit();
        }
    }
}

```

<terminated> GmailForgotEmailTest [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (12-Sept-2024, 12:31:23 pm – 12:32:00)
 Test Passed: 'Forgot email?' takes to a new page.

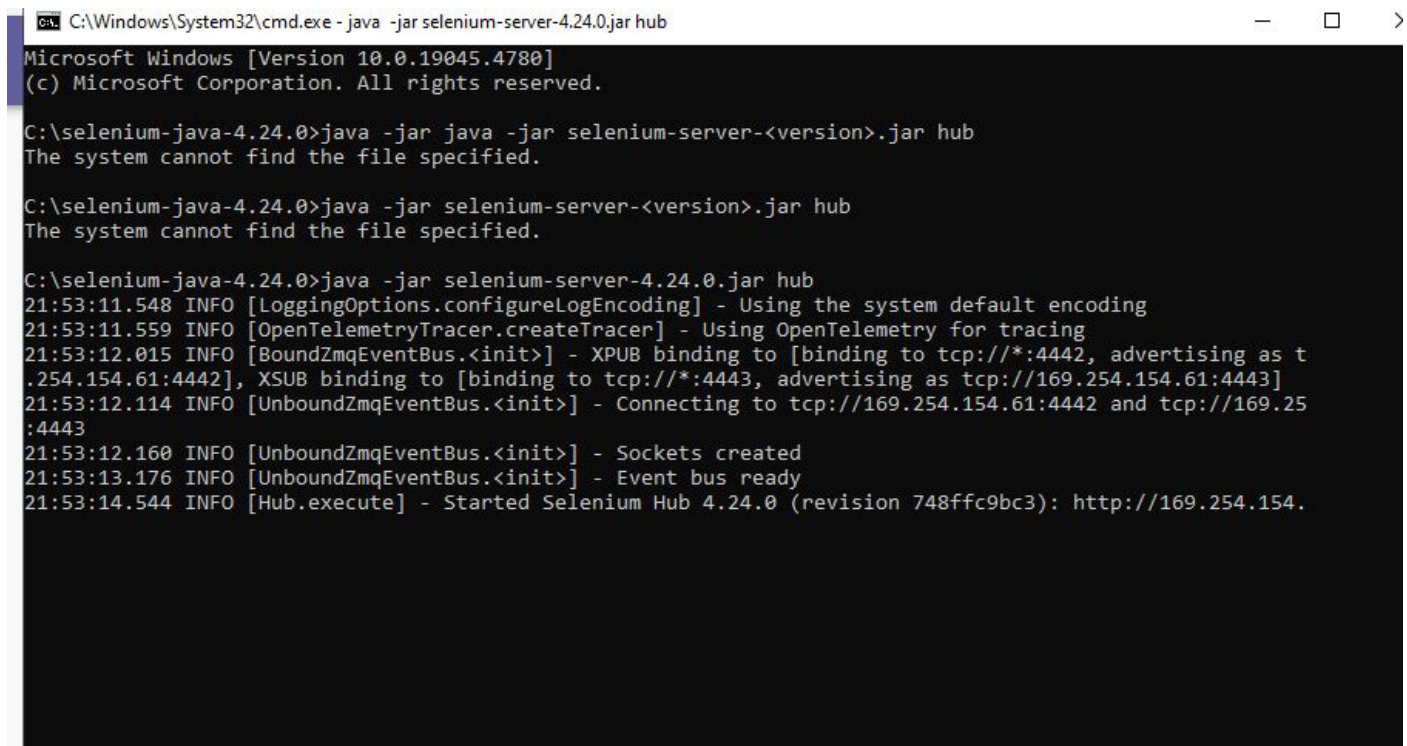
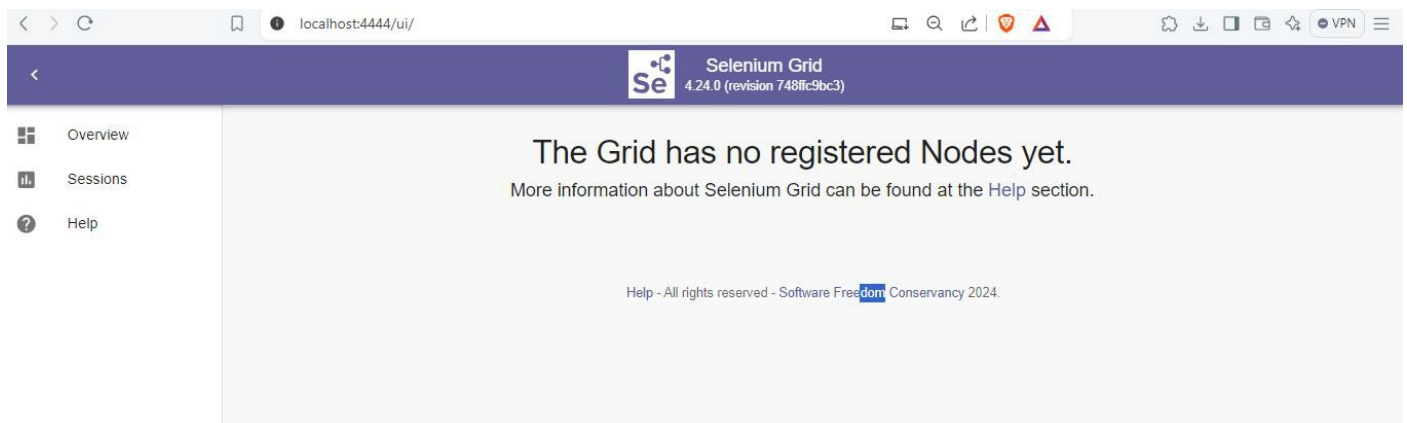
Excel Sheet Structure:

Test ID	Test Scenario	Preconditions	Test Steps	Expected Result	Actual Result	Status
TC01	Verify login with valid credentials	User must be registered with valid credentials.	1. Open the browser and navigate to Facebook login page. 2. Enter valid email and password. 3. Click 'Log In'.	User is logged in and redirected to the home page/dashboard.		Pass/Fail
TC02	Verify login with invalid credentials	User is on the login page.	1. Open the browser and navigate to Facebook login page. 2. Enter invalid email or password. 3. Click 'Log In'.	Error message "Incorrect Email or Password" is displayed.		Pass/Fail
TC03	Verify 'Forgot Password' functionality	User is on the login page.	1. Click on 'Forgot Password?' link. 2. Enter registered email address. 3. Follow the password recovery steps.	User receives a password reset link in their email and can successfully reset their password.		Pass/Fail
TC04	Verify post creation functionality	User is logged in.	1. Log in to Facebook. 2. Click on 'What's on your mind?' field. 3. Enter text and attach an image/video. 4. Click 'Post'.	The post appears on the user's timeline with the correct content and image/video.		Pass/Fail
TC05	Verify like functionality on a post	User is logged in and viewing a post.	1. Log in to Facebook. 2. Find a post. 3. Click the 'Like' button.	The like count on the post increases by one, and the 'Like' button changes to 'Liked'.		Pass/Fail

Test ID	Test Scenario	Preconditions	Test Steps	Expected Result	Actual Result	Status
TC06	Verify comment functionality on a post	User is logged in and viewing a post.	<ol style="list-style-type: none"> 1. Log in to Facebook. 2. Find a post. 3. Enter a comment in the comment field. 4. Click 'Post'. 	The comment appears below the post with the user's name and profile picture.		Pass/Fail
TC07	Verify friend request functionality	User is logged in.	<ol style="list-style-type: none"> 1. Log in to Facebook. 2. Search for another user. 3. Click 'Add Friend' button. 	A friend request is sent, and the user receives a notification about the sent request.		Pass/Fail
TC08	Verify notifications for friend requests	User is logged in and has received a friend request.	<ol style="list-style-type: none"> 1. Log in to Facebook. 2. Go to the notifications area. 	Notification for the friend request is visible in the notifications section.		Pass/Fail
TC09	Verify profile photo upload	User is logged in.	<ol style="list-style-type: none"> 1. Log in to Facebook. 2. Go to the profile section. 3. Click 'Update Profile Picture'. 4. Upload a new photo. 	The profile picture is updated and displayed on the profile page.		Pass/Fail
TC10	Verify privacy settings update	User is logged in.	<ol style="list-style-type: none"> 1. Log in to Facebook. 2. Go to 'Settings'. 3. Navigate to 'Privacy Settings'. 4. Change privacy settings (e.g., post visibility). 	Privacy settings are updated, and new posts adhere to the updated privacy preferences.		Pass/Fail

SELENIUM GRID

```
C:\selenium-java-4.24.0>java -jar selenium-server-4.24.0.jar node --hub http://localhost:4444
21:57:04.921 INFO [LoggingOptions.configureLogEncoding] - Using the system default encoding
21:57:04.931 INFO [OpenTelemetryTracer.createTracer] - Using OpenTelemetry for tracing
21:57:05.374 INFO [UnboundZmqEventBus.<init>] - Connecting to tcp://localhost:4442 and tcp://localhost:4443
21:57:05.489 INFO [UnboundZmqEventBus.<init>] - Sockets created
21:57:06.504 INFO [UnboundZmqEventBus.<init>] - Event bus ready
21:57:06.840 INFO [NodeServer.createHandlers] - Reporting self as: http://169.254.154.61:5555
21:57:06.893 INFO [NodeOptions.getSessionFactories] - Detected 4 available processors
21:57:06.895 INFO [NodeOptions.discoverDrivers] - Looking for existing drivers on the PATH.
21:57:06.896 INFO [NodeOptions.discoverDrivers] - Add '--selenium-manager true' to the startup command to setup drivers automatically.
21:57:10.654 WARN [SeleniumManager.lambda$runCommand$1] - Unable to discover proper msedgedriver version in offline mode
21:57:12.297 WARN [SeleniumManager.lambda$runCommand$1] - Unable to discover proper geckodriver version in offline mode
21:57:13.911 WARN [SeleniumManager.lambda$runCommand$1] - Unable to discover proper IEDriverServer version in offline mode
21:57:13.973 INFO [NodeOptions.report] - Adding Firefox for {"browserName": "firefox", "platformName": "Windows 10"} 4 times
21:57:13.976 INFO [NodeOptions.report] - Adding Internet Explorer for {"browserName": "internet explorer", "platformName": "Windows 10"} 1 times
21:57:13.979 INFO [NodeOptions.report] - Adding Edge for {"browserName": "MicrosoftEdge", "platformName": "Windows 10"} 4 times
21:57:13.983 INFO [NodeOptions.report] - Adding Chrome for {"browserName": "chrome", "platformName": "Windows 10"} 4 times
21:57:14.041 INFO [Node.<init>] - Binding additional locator mechanisms: relative
21:57:14.521 INFO [NodeServer$1.start] - Starting registration process for Node http://169.254.154.61:5555
21:57:14.524 INFO [NodeServer.execute] - Started Selenium node 4.24.0 (revision 748ffc9bc3): http://169.254.154.61:5555
21:57:14.558 INFO [NodeServer$1.lambda$start$1] - Sending registration event...
21:57:15.344 INFO [NodeServer.lambda$createHandlers$2] - Node has been added
21:58:28.337 INFO [LocalNode.newSession] - Session created by the Node. Id: 4a54178e3d3a46d655d3127c52691a41, Caps: Capabilities {acceptInsecureCert
s: false, browserName: chrome, browserVersion: 128.0.6613.138, chrome: {chromedriverVersion: 128.0.6613.137 (fe621c5aa2d..., userDataDir: C:\Users\De
ll\AppData\Local...), fedcm:accounts: true, goog:chromeOptions: {debuggerAddress: localhost:55784}, networkConnectionEnabled: false, pageLoadStrate
gy: normal, platformName: Windows 10, proxy: Proxy(), se:bidisEnabled: false, se:cdp: ws://localhost:4444/session..., se:cdpVersion: 128.0.6613.138,
setWindowRect: true, strictFileInteractability: false, timeouts: {implicit: 0, pageLoad: 300000, script: 30000}, unhandledPromptBehavior: dismiss an
d notify, webauthn:extension:credBlob: true, webauthn:extension:largeBlob: true, webauthn:extension:minPinLength: true, webauthn:extension:prf: true
, webauthn:virtualAuthenticators: true}
21:58:31.952 INFO [SessionSlot.stop] - Stopping session 4a54178e3d3a46d655d3127c52691a41
```



SELENIUM WEB DRIVER

```
https://maven.apache.org/xsd/maven-4.0.0.xsd (xsi:schemaLocation)
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/X
  <modelVersion>4.0.0</modelVersion>
  <groupId>seleniumwebdriver</groupId>
  <artifactId>seleniumwebdriver</artifactId>
  <version>0.0.1-SNAPSHOT</version>

  <dependencies>

    <!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
    <dependency>
      <groupId>org.seleniumhq.selenium</groupId>
      <artifactId>selenium-java</artifactId>
      <version>4.24.0</version>
    </dependency>

  </dependencies>

</project>
```

eclipse-workspace - seleniumwebdriver/src/test/java/day21/FirstTestCase.java - Eclipse IDE

File Edit Source Refactor Refactor Navigate Search Project Run Window Help

Project Explorer seleniumwebdriver/pom.xml FirstTestCase.java

src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
selenium-java-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-api-4.24.0.jar - C:\Users\ DELL\m2\repo
jspecify-1.0.0.jar - C:\Users\ DELL\m2\repo
selenium-chrome-driver-4.24.0.jar - C:\Users\ DELL\m2\repo
auto-service-annotations-1.1.1.jar - C:\Users\ DELL\m2\repo
selenium-chromium-driver-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-json-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-manager-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-devtools-v126-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-devtools-v127-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-devtools-v128-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-devtools-v85-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-edge-driver-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-firefox-driver-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-http-4.24.0.jar - C:\Users\ DELL\m2\repo
failsafe-3.3.2.jar - C:\Users\ DELL\m2\repo
selenium-ie-driver-4.24.0.jar - C:\Users\ DELL\m2\repo
selenium-remote-driver-4.24.0.jar - C:\Users\ DELL\m2\repo
guava-33.3.0-jre.jar - C:\Users\ DELL\m2\repo
failureaccess-1.0.2.jar - C:\Users\ DELL\m2\repo
listenablefuture-9999.0-empty-to-avoid-conflict
jsr305-3.0.2.jar - C:\Users\ DELL\m2\repo
checker-qual-3.43.0.jar - C:\Users\ DELL\m2\repo
error_prone_annotations-2.28.0.jar - C:\Users\ DELL\m2\repo
j2objc-annotations-3.0.0.jar - C:\Users\ DELL\m2\repo
opentelemetry-semconv-1.25.0-alpha.jar - C:\Users\ DELL\m2\repo

```
11 4) Close browser
12 */
13
14 public class FirstTestCase {
15
16     public static void main(String[] args) {
17         // TODO Auto-generated method stub
18
19         //1) Launch browser(chrome)
20         WebDriver driver=new ChromeDriver();
21
22         //2) Open URL https://demo.opencart.com/
23         driver.get("https://demo.opencart.com/");
24
25         //3) validate title should be "Your Store"
26         String act_title=driver.getTitle();
27
28         if(act_title.equals("Your Store")) {
29             System.out.println("Test Passed");
30         }
31         else {
32             System.out.println("Test Failed");
33         }
34
35         //4) close browser
36         driver.quit();
37     }
38 }
```

Problems Tasks Console Servers Search

<terminated> FirstTestCase (Java Application) C:\Program Files\Java\jdk-21\bin\javaw.exe (11-Sept-2024, 9:23:27 pm - 9:23:35 pm)
Test Passed

Help Contents Search Related Topics
Bookmarks Index
Project Explorer
The Project Explorer allows you to navigate the contents of your workspace.
See also:
Project Explorer
Views
More results:
Search for Project Explorer view