QUALITY THOUGHT

SELENIUM with JAVA – Practice Assignment [1]

Note: Read and understand the assignment before starting it.

Demo Blaze Selenium Automation – Scenarios

Application: https://www.demoblaze.com/

Project Type: Real-Time Automation Project

- **Scenario 01:** Launch Application in Chrome

Verify DemoBlaze application launches successfully in Chrome browser.

- **Scenario 02:** Launch Application in Firefox

Verify DemoBlaze application launches successfully in Firefox browser.

- **Scenario 03:** Launch Application in Edge

Verify DemoBlaze application launches successfully in Edge browser.

- **Scenario 04:** Cross-Browser Launch Using Parameter

Verify application launches based on browser input parameter.

- **Scenario 05:** Verify Home Page Title

Verify the DemoBlaze home page title.

- **Scenario 06:** Verify Home Page URL

Verify the DemoBlaze home page URL.

- **Scenario 07:** Verify Title and URL Together

Verify both title and URL of the application.

- **Scenario 08:** Verify Login Link

Verify Login link is present and clickable.

- **Scenario 09:** Verify Sign Up Link

Verify Sign Up link is present and clickable.

- **Scenario 10:** Verify Cart Link

Verify Cart link is displayed correctly.

- **Scenario 11:** Locate Username Field

Verify locating username field using ID locator.

- **Scenario 12:** Locate Password Field

Verify locating password field in Login popup.

- **Scenario 13:** Locate Element Using Class Name

Verify locating element using className locator.

- **Scenario 14:** Locate Login Link Using LinkText

Verify locating Login link using linkText.

- **Scenario 15:** Locate Phones Category Using XPath

Verify locating Phones category using XPath.

- **Scenario 16:** Locate Add to Cart Using CSS Selector

Verify locating Add to Cart button using CSS Selector.

- **Scenario 17:** Click Category Using findElement

Verify clicking Phones category.

- **Scenario 18:** Fetch Product List

Verify fetching product list using findElements()

- **Scenario 19:** Count Products

Verify counting total products displayed.

- **Scenario 20:** Print Product Names

Verify printing all product names.

- **Scenario 21:** Use WebDriver Methods

Verify browser open, maximize, and close.

- **Scenario 22:** Use WebElement Methods

Verify sendKeys, click, and getText methods.

- **Scenario 23:** Add Product to Cart

Verify adding product to cart using click().

- **Scenario 24:** Clear Text Field

Verify clearing username field.

- **Scenario 25:** Radio Button Selection Logic

Verify radio button logic (conceptual).

- **Scenario 26:** Multiple Checkbox Selection

Verify multiple checkbox logic (conceptual).

- **Scenario 27:** Category Selection

Verify selecting categories like dropdown.

- **Scenario 28:** Fetch All Categories

Verify fetching all categories using JavaScriptExecutor & Scrolling

- **Scenario 29:** Click Using JavaScriptExecutor

Verify clicking Add to Cart using JavaScriptExecutor.

- **Scenario 30:** Enter Text Using JavaScriptExecutor

Verify entering text using JavaScriptExecutor.

- **Scenario 31:** Scroll Down Page

Verify scrolling down the page.

- **Scenario 32:** Scroll Up Page

Verify scrolling up the page.

- **Scenario 33:** Navigation Command: Navigate Back

Verify navigation back command.

- **Scenario 34:** Navigate Forward

Verify navigation forward command.

- **Scenario 35:** Screenshot: Capture Screenshot

Verify capturing screenshot.

- **Scenario 36:** Screenshot on Failure

Verify capturing screenshot on failure.

- **Scenario 37:** Headless Browser: Headless Execution

Verify executing tests in headless browser.

Keyboard & Mouse Actions

- **Scenario 38:** Keyboard Actions

Verify ENTER and TAB keys.

- **Scenario 39:** Mouse Hover

Verify mouse hover on category.

- **Scenario 40:** Right Click

Verify right click action.

- **Scenario 41:** Drag and Drop

Verify drag and drop (conceptual).

Validation Methods

- **Scenario 42:** Verify isDisplayed

Verify element display status.

- **Scenario 43:** Verify isEnabled

Verify button enabled status.

- **Scenario 44:** Verify isSelected

Verify selection status.

Web Table

- **Scenario 45:** Read Cart Table

Verify reading cart table data.

- **Scenario 46:** Count Cart Table Rows & Columns

Verify cart table row and column count.

Frames & Alerts

- **Scenario 47:** Frame Handling Concept

Verify frame handling concept.

- **Scenario 48:** Handle Add to Cart Alert

Verify accepting alert.

- **Scenario 49:** Capture Alert Text

Verify capturing alert text.

General Guidelines (Selenium with Java – DemoBlaze Assignment)

- ✔ Use Selenium WebDriver with Java as the automation technology.

- ✔ Automate the application: https://www.demoblaze.com/

- ✔ Use Eclipse / IntelliJ IDEA as the IDE

- ✔ Configure browser drivers correctly for Chrome, Firefox, and Edge.

- ✔ Execute scenarios step by step and verify results in the browser and console.

- ✔ Use your own understanding and logic while implementing scenarios.

- ✔ Avoid direct copy–paste from online sources.

- ✔ Create a single Selenium Java project for this assignment.

- ✔ Each scenario must be implemented in a separate Java class file.

- ✔ Class names must clearly indicate the scenario number and purpose

- ✔ (Example: Scenario01_LaunchChrome, Scenario15_LocatePhonesXPath).

- ✔ Use one base class (optional but recommended) for:

. Browser setup   . Driver initialization   . Browser teardown

- ✔ No multiple scenarios inside a single class.

Project Submission Format

Create a folder named: Assignment1_YourName

Include the following:

☐ Selenium Java Project Folder

☐ Separate Java class files for each scenario

☐ Screenshots (if captured)

☐ Execution proof (console output screenshots, if required)

Final Submission

☐ Compress the folder into a .zip file

☐ Upload the zip file to the GitHub repository as instructed by the trainer

GitHub Repository:

https://github.com/krishnasoftwaretrainer/QT_COREJAVA_225BATCH.git

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Selenium Trainer

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