



UI Test Automation Assessment II

Create a Maven test automation framework in Selenium using Tools QA's demo shopping website (<https://magento.softwaretestingboard.com>) as the System Under Test (SUT). Your primary objective is to automate a valid test scenario where a user not logged in and a registered user successfully place an order of the specified products. Test data must be read from a spreadsheet where the following test cases can be executed:

Test Scenario ID	Scenario Description	Test Case ID	Test Case Objective	Pre condition	Test Steps	Test Data	Expected Result	Actual Result	Status
TS-01	Product Comparison	TC-001	Verify if a user not logged in can add products to compare - multiple products view	The user must be on the Home page	1. Scroll down to products under Hot Sellers 2. Hover over (product_name) and click 'Add to Compare' 3. Click comparison list link from the confirmation message	product_name: Radiant Tee Home page: https://magento.softwaretestingboard.com/	- A confirmation message, "You added product Radiant Tee to the comparison list." should be displayed. - The Radiant Tee should be added in the Compare Products screen.	The confirmation message, "You added product Radiant Tee to the comparison list." is displayed. The Radiant Tee is added to the Compare Products screen.	
		TC-002	Verify if a user not logged in can add products to compare - product details view	The user must be on the Home page	1. Scroll down to products under Hot Sellers 2. Click on (product_name) 3. Click 'ADD TO COMPARE' 4. Click comparison list link from the confirmation message	product_name: Breathe-Easy Tank	- A confirmation message, "You added product Breathe-Easy Tank to the comparison list." should be displayed. - The Radiant Tee should be added in the Compare Products screen.	The confirmation message, "You added product Breathe-Easy Tank to the comparison list." is displayed. The Radiant Tee is added to the Compare Products screen.	
		TC-003	Verify if a product can be removed from Compare Product list	The user must be on the Home page	1. Scroll down to products under Hot Sellers 2. Click on (product_name) 3. Click 'ADD TO COMPARE' 4. Click comparison list link from the confirmation message 5. Click the remove icon for (product_name) 6. Select 'OK' from the confirmation alert	product_name: Argus All-Weather Tank	- A confirmation message, "You removed product Argus All-Weather Tank from the comparison list." should be displayed. - The Argus All-Weather Tank should be removed from the Compare Products screen.	- The confirmation message, "You removed product Argus All-Weather Tank from the comparison list." should be displayed. - The Argus All-Weather Tank is removed from the Compare Products screen.	
TS-02	Add Product To Cart	TC-004	Check user not logged in can add a product to the shopping cart	The user must be on the Home page	1. Scroll down to products under Hot Sellers 2. Hover over product_name and capture product details. 3. Select product_size as the size 4. Select product_color as the colour	product_name: Hero Hoodie product_size: M product_colour: Green	- A confirmation message, "You added Hero Hoodie to your shopping cart." should be displayed. - The Hero Hoodie should be added to the Shopping Cart screen.	- A confirmation message, "You added Hero Hoodie to your shopping cart." is displayed. - The Hero Hoodie is added to the Shopping Cart screen.	

Project details

- The test data spreadsheet must have TWO sheets:
 - Luma Test Cases** – The same sheet as the screenshot above but with two additional test cases created by you. The test cases must be of a logged in user that:
 - Adds a 3 stars product to cart (from Home>Men>Tops>Tees) without selecting its size and colour then verify that “You need to choose options for your item.” gets displayed. Product must be added in the multiple products view.
 - Adds an orange *Miko Pullover Hoodie* of any size to the cart using the search field then checks out to complete the order by capturing your details.
 - Luma Test Data** – sheet with data used when executing tests defined in the test cases.
- The Maven project must have the following packages with all relevant classes:

- Data
- Utilities
- Application (Home, CompareProducts, Cart, Tees, etc.)
- Reporting
- Parameterize your URL and browser using TestNG.
- The test script should run concurrently on a minimum of two browsers (Chrome, Edge, etc.)
- Validation must be on all pages (i.e. successful login, item added to cart, etc.)
- Use ExtentReports to display test evidence and results with screenshots for all steps.
- The report should show pass and fail results based on user input (test data).

NB: A valid test user must be manually registered first before being used as test data. You may use fake data except for the email address for creating the account and confirming orders.

Submitting Your Solution

Simply email me your GitHub repository link of your solution at siphesihlep@harambee.co.za. Your repo should have a main/master branch and a secondary branch with the name of your choice. Your final solution's repository should have a minimum of 3 (three) commits in any of those branches. Please contact me if you have any questions, thank you

Due Date: 06/07/2023 (Thursday at 15:00)