



QA Automation Practical

Instructions:

Please follow the below steps for completing this practical:

1. The automation practical should be completed using a programming language and/or automated test framework of your choice - e.g. .NET, Typescript, Selenium, Playwright, etc
2. Create and store your automation practical in Github using a personal account.
3. Create and name your automated test cases to match this practical.
4. Comment where necessary.
5. Use the Page Object Model design pattern approach, or if not, describe the approach you used in the project's Readme.md file
6. Once complete please share your Github practical with us, as well as any relevant instructions to run and evaluate your automation.

If you require any further assistance, please do not hesitate to contact us.

Practical:

For the purpose of this practical you will be using <http://automationpractice.com/> as your application under test.

Test Cases:

1. TC1 - Navigate to <http://automationpractice.com/> and perform a search and verify that the first result matches your search criteria.
2. TC2 – Repeat TC1 adding the following criteria:
 - a. Store 3 search criteria in one variable separated by commas.
Example: String searchCriteria = "search1,search2,search3".
 - b. Manipulate the string and store each search criteria in an array and use a loop to perform the search and verify.
3. TC3 – Repeat TC1 again this time using a data driven approach using an external datafile such as an excel spreadsheet or text file.
4. TC4 – Sign in to the website using a username and password.
5. TC5 – This test case needs to have the following steps:
 - a. Add an item to your cart.
 - b. View shopping cart.
 - c. Increase quantity to a desired amount.
 - d. Calculate total (unit price x quantity): You will need to create a custom method/keyword that does the following:
 - i. Accepts 2 variables "unit price, quantity".
 - ii. Calculates and returns the result.
 - e. Verify displayed total matches calculated total.
6. TC6 – Create a generic test case that uses the Navigation Menu to navigate to a certain page. This test case needs to match the following criteria:
 - a. It should cater for either hovering over or clicking the categories "Women, Dresses, T-Shirts".
 - b. If a subcategory is to be selected it should hover over the main category and select the subcategory.

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