

Test Report

AutomationExercise Website

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Test Report: AutomationExercise Website

1. Introduction

Project Overview

AutomationExercise is a training website designed for automation engineers to practice automated and API testing scenarios. The website offers a range of functionalities to enhance automation skills.

Purpose and Objectives

The primary objective of this project is to thoroughly test and improve the functionality of the AutomationExercise website using Playwright. Key goals include:

- Automated testing to ensure all functionalities work as expected.
- Creation and implementation of user stories with acceptance criteria.
- Comprehensive test strategies covering various aspects of the website.
- Utilization of Playwright for automation to enhance productivity.
- Documentation of test findings, analysis, and recommendations.

2. Project Setup

Tools and Technologies Used

- Automation Framework: Playwright
- Programming Language: TypeScript
- Runtime Environment: Node.js
- IDE: Visual Studio Code (VS Code)
- Version Control: Git

3. Test Execution Summary

Test Cases Executed

The following test cases were executed to validate different functionalities of the AutomationExercise website:

1. Register User
2. Login User
3. Logout User
4. Register User with Existing Email
5. Contact Us Form
6. Verify Test Cases Page
7. Verify All Products and Product Detail Page
8. Search Product
9. Verify Subscription in Homepage
10. Verify Subscription in Cart Page
11. Add Products in Cart
12. Verify Product Quantity in Cart
13. Place Order
14. Remove Products From Cart
15. View Category Products
16. View & Cart Brand Products
17. Search Products and Verify Cart After Login
18. Add Review on Product
19. Add to Cart from Recommended Items
20. Verify Address Details in Checkout Page
21. Add review on product
22. Add to cart from Recommended items
23. Verify address details in checkout page

Test Results

- Total Test Cases Executed: 23
- Successful: 19
- Failed: 4

Issues Identified

Login with Incorrect Email and Password:

- Issue: Incorrect error message displayed.
- Recommendation: Update error message handling.

Register User with Existing Email:

- Issue: Error message formatting issue.
- Recommendation: Improve error message clarity.

Layout Issues:

- Issue: Misalignment and overlapping elements
- Recommendation: Fix CSS and JavaScript to maintain layout consistency and prevent overlapping elements.

4. Test Case Details

Test Case 1: Register User

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click on 'Signup / Login' button
 - Verify 'New User Signup!' is visible
 - Enter name and email address
 - Click 'Signup' button
 - Verify 'ENTER ACCOUNT INFORMATION' is visible
 - Fill account details
 - Click 'Create Account' button
 - Verify 'ACCOUNT CREATED!' is visible
 - Click 'Continue' button
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- Expected Result: User account is created successfully.
 - Actual Result: User account is created successfully.
 - Status: Passed

Test Case 2: Login User with correct email and password

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
- Verify home page is visible
- Click on 'Signup / Login' button
- Verify 'Login to your account' is visible
- Enter correct email address and password
- Click 'login' button
- Verify 'Logged in as username' is visible

- Click 'Delete Account' button
- Verify 'ACCOUNT DELETED!' is visible
- Expected Result: User logs in successfully.
- Actual Result: User logs in successfully.
- Status: Passed

Test Case 3: Login User with incorrect email and password

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
- Verify home page is visible
- Click on 'Signup / Login' button
- Verify 'Login to your account' is visible
- Enter incorrect email address and password
- Click 'login' button
- Verify error 'Your email or password is incorrect!' is visible
- Expected Result: Error message 'Your email or password is incorrect!' is visible.
- Actual Result: Error message 'Your email or password is incorrect!' is visible.
- Status: Passed

Test Case 4: Logout User

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
- Verify home page is visible
- Click on 'Signup / Login' button
- Verify 'Login to your account' is visible
- Enter correct email address and password
- Click 'login' button
- Verify 'Logged in as username' is visible
- Click 'Logout' button
- Verify user is navigated to login page

- Expected Result: User is logged out and navigated to the login page.
- Actual Result: User is logged out and navigated to the login page.
- Status: Passed

Test Case 5: Register User with existing email

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
- Verify home page is visible
- Click on 'Signup / Login' button
- Verify 'New User Signup!' is visible
- Enter name and already registered email address
- Click 'Signup' button
- Verify error 'Email Address already exist!' is visible
- Expected Result: Error message 'Email Address already exist!' is visible.
- Actual Result: Error message 'Email Address already exist!' is visible.
- Status: Passed

Test Case 6: Contact Us Form

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
- Verify home page is visible
- Click on 'Contact Us' button
- Verify 'GET IN TOUCH' is visible
- Enter name, email, subject and message
- Upload file
- Click 'Submit' button
- Click OK button
- Verify success message 'Success! Your details have been submitted successfully.' is visible
- Click 'Home' button and verify that landed to home page successfully

- Expected Result: Success message 'Success! Your details have been submitted successfully.' is visible.
- Actual Result: The success message was not displayed after submitting the form.
- Status: Failed

Test Case 7: Verify Test Cases Page

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click on 'Test Cases' button
 - Verify user is navigated to test cases page successfully
- Expected Result: User is navigated to test cases page successfully.
 - Actual Result: User is navigated to test cases page successfully.
 - Status: Passed

Test Case 8: Verify All Products and product detail page

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click on 'Products' button
 - Verify user is navigated to ALL PRODUCTS page successfully
 - The products list is visible
 - Click on 'View Product' of first product
 - User is landed to product detail page
 - Verify that detail is visible: product name, category, price, availability, condition, brand
- Expected Result: User is navigated to ALL PRODUCTS page successfully.
 - Actual Result: User is navigated to ALL PRODUCTS page successfully.
 - Status: Passed

Test Case 9: Search Product

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click on 'Products' button
 - Verify user is navigated to ALL PRODUCTS page successfully
 - Enter product name in search input and click search button
 - Verify 'SEARCHED PRODUCTS' is visible
 - Verify all the products related to search are visible
- Expected Result: Searched products are visible.
 - Actual Result: No products were displayed after performing the search.
 - Status: Failed

Test Case 10: Verify Subscription in home page

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Scroll down to footer
 - Verify text 'SUBSCRIPTION'
 - Enter email address in input and click arrow button
 - Verify success message 'You have been successfully subscribed!' is visible
- Expected Result: Success message 'You have been successfully subscribed!' is visible.
 - Actual Result: Success message 'You have been successfully subscribed!' is visible.
 - Status: Passed

Test Case 11: Verify Subscription in Cart page

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
- Verify home page is visible
- Click 'Cart' button
- Scroll down to footer
- Verify text 'SUBSCRIPTION'
- Enter email address in input and click arrow button
- Verify success message 'You have been successfully subscribed!' is visible
- Expected Result: Success message 'You have been successfully subscribed!' is visible.
- Actual Result: Success message 'You have been successfully subscribed!' is visible.
- Status: Passed

Test Case 12: Add Products in Cart

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
- Verify home page is visible
- Click 'Products' button
- Hover over first product and click 'Add to cart'
- Click 'Continue Shopping' button
- Hover over second product and click 'Add to cart'
- Click 'View Cart' button
- Verify both products are added to Cart
- Verify their prices, quantity and total price
- Expected Result: Both products are added to Cart with correct prices, quantity, and total price.
- Actual Result: Both products are added to Cart with correct prices, quantity, and total price.
- Status: Passed

Test Case 13: Verify Product quantity in Cart

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click 'View Product' for any product on home page
 - Verify product detail is opened
 - Increase quantity to 4
 - Click 'Add to cart' button
 - Click 'View Cart' button
 - Verify that product is displayed in cart page with exact quantity
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- Expected Result: Product is displayed in cart page with the correct quantity.
 - Actual Result: Product is displayed in cart page with the correct quantity.
 - Status: Passed

Test Case 14: Place Order: Register while Checkout

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
- Verify home page is visible
- Add products to cart
- Click 'Cart' button
- Verify that cart page is displayed
- Click Proceed To Checkout
- Click 'Register / Login' button
- Fill all details in Signup and create account
- Verify 'ACCOUNT CREATED!' and click 'Continue' button
- Verify 'Logged in as username' at top
- Click 'Cart' button
- Click 'Proceed To Checkout' button
- Verify Address Details and Review Your Order
- Enter description in comment text area and click 'Place Order'

- Enter payment details: Name on Card, Card Number, CVC, Expiration date
 - Click 'Pay and Confirm Order' button
 - Verify success message 'Your order has been placed successfully!'
 - Click 'Delete Account' button
 - Verify 'ACCOUNT DELETED!' and click 'Continue' button
- Expected Result: Order is placed successfully and 'Your order has been placed successfully!' message is visible.
 - Actual Result: The order was not placed successfully, and no success message appeared.
 - Status: Failed

Test Case 15: Place Order: Register before Checkout

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
- Verify home page is visible
- Click 'Signup / Login' button
- Fill all details in Signup and create account
- Verify 'ACCOUNT CREATED!' and click 'Continue' button
- Verify 'Logged in as username' at top
- Add products to cart
- Click 'Cart' button
- Verify that cart page is displayed
- Click Proceed To Checkout
- Verify Address Details and Review Your Order
- Enter description in comment text area and click 'Place Order'
- Enter payment details: Name on Card, Card Number, CVC, Expiration date
- Click 'Pay and Confirm Order' button
- Verify success message 'Your order has been placed successfully!'
- Click 'Delete Account' button
- Verify 'ACCOUNT DELETED!' and click 'Continue' button

- Expected Result: Order is placed successfully and 'Your order has been placed successfully!' message is visible.
- Actual Result: The order was not placed successfully, and no success message appeared.
- Status: Failed

Test Case 16: Place Order: Login before Checkout

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click 'Signup / Login' button
 - Fill email, password and click 'Login' button
 - Verify 'Logged in as username' at top
 - Add products to cart
 - Click 'Cart' button
 - Verify that cart page is displayed
 - Click Proceed To Checkout
 - Verify Address Details and Review Your Order
 - Enter description in comment text area and click 'Place Order'
 - Enter payment details: Name on Card, Card Number, CVC, Expiration date
 - Click 'Pay and Confirm Order' button
 - Verify success message 'Your order has been placed successfully!'
 - Click 'Delete Account' button
 - Verify 'ACCOUNT DELETED!' and click 'Continue' button
- Expected Result: Order is placed successfully and 'Your order has been placed successfully!' message is visible.
 - Actual Result: Order is placed successfully and 'Your order has been placed successfully!' message is visible.
 - Status: Passed

Test Case 17: Remove Products From Cart

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Add products to cart
 - Click 'Cart' button
 - Verify that cart page is displayed
 - Click 'X' button corresponding to a product
 - Verify that product is removed from the cart
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- Expected Result: Product is removed from the cart.
 - Actual Result: Product is removed from the cart.
 - Status: Passed

Test Case 18: View Category Products

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click on any category on left sidebar
 - Verify that category page is displayed and products list is visible
 - Click on any sub-category under women from left sidebar
 - Verify that user is navigated to that category page
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- Expected Result: User is navigated to the category page successfully.
 - Actual Result: User is navigated to the category page successfully.
 - Status: Passed

Test Case 19: View & Cart Brand Products

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click on any brand on left sidebar
 - Verify that brand page is displayed and products list is visible
 - Click on any other brand link on left sidebar
 - Verify that user is navigated to that brand page and can view products
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- Expected Result: User is navigated to the brand page and can view products.
 - Actual Result: User is navigated to the brand page and can view products.
 - Status: Passed

Test Case 20: Verify Product detail page

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click on 'View Product' for any product on home page
 - Verify product detail is opened
 - Verify the product details are visible: product name, category, price, availability, condition, brand
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- Expected Result: Product details are visible.
 - Actual Result: Product details are visible.
 - Status: Passed

Test Case 21: Verify Product Search

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Enter product name in search input and click search button
 - Verify 'SEARCHED PRODUCTS' is visible
 - Verify all the products related to search are visible
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- Expected Result: Searched products are visible.
 - Actual Result: Searched products are visible.
 - Status: Passed

Test Case 22: Verify Product Review

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Click on 'View Product' for any product on home page
 - Verify product detail is opened
 - Scroll down and verify 'WRITE YOUR REVIEW' is visible
 - Enter name, email, and review
 - Click 'Submit' button
 - Verify success message 'Thank you for your review.'
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- Expected Result: Success message 'Thank you for your review.' is visible.
 - Actual Result: Success message 'Thank you for your review.' is visible.
 - Status: Passed

Test Case 23: Verify Address Details in Checkout Page

1. Steps Executed:

- Launch browser and navigate to '<http://automationexercise.com>'
 - Verify home page is visible
 - Add products to cart
 - Click 'Cart' button
 - Verify that cart page is displayed
 - Click 'Proceed To Checkout'
 - Verify that the Address Details and Review Your Order sections are visible
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- Expected Result: Address details match the registration information.
 - Actual Result: Address details match the registration information.
 - Status: Passed

5. Conclusion

Summary

Overall, the AutomationExercise website's functionalities were thoroughly tested using Playwright, covering a wide range of scenarios. The majority of test cases passed successfully, highlighting the robustness of the website's core functionalities.