

Name: Lê Thị Thanh Huyền

Class: DCT121C4

MSSV: 3121411088

REPORT GENERATION

1. Login logout

Pass / Fail Statics: 6 passed

Execution Time: 120.27s (0:02:00)

Test case Summary:

Test Case ID	Test Case Description	Pre-Conditions	Test Steps	Expected Result	Actual Result	Pass/Fail
TC_01	Verify successful login with valid credentials	User is on the homepage	1. Click “My account” dropdown menu 2. Click “Login” to navigate to the login page 3. Enter valid login credentials 4. Click submit	User is logged in and the user's account page is displayed.	User is logged in and the user's account page is displayed.	Pass

TC_02	Verify login with empty email	User is on the home page	1. Click “My account” dropdown menu 2. Click “Login” to navigate to the login page 3. Enter an empty email and valid password 4. Click Submit	Error message displays: “Warning: No match for E-Mail Address and/or Password.”	Error message displays: “Warning: No match for E-Mail Address and/or Password.”	Pass
TC_03	Verify login with empty password	User is on the home page	1. Click “My account” dropdown menu 2. Click “Login” to navigate to the login page 3. Enter an empty password and valid email 4. Click submit	Error message displays: “Warning: No match for E-Mail Address and/or Password.”	Error message displays: “Warning: No match for E-Mail Address and/or Password.”	Pass

TC_04	Verify login with email not existing	User is on the home page	1. Click “My account” dropdown menu 2. Click “Login” to navigate to the login page 3. Enter a non-existing email 4. Click submit	Error message displays: “Warning: No match for E-Mail Address and/or Password.”	Error message displays: “Warning: No match for E-Mail Address and/or Password.”	Pass
TC_05	Verify login with invalid password	User is on the home page	1. Click “My account” dropdown menu 2. Click “Login” to navigate to the login page 3. Enter valid email and an invalid password 4. Click submit	Error message displays: “Warning: No match for E-Mail Address and/or Password.”	Error message displays: “Warning: No match for E-Mail Address and/or Password.”	Pass
TC_06	Verify successful logout and redirection	User is logged in and on the	1. Click “My account” dropdown menu	User is logged out and redirected	User is logged out and redirected	Pass

		account page	2. Click on logout to navigate to logout page 3. Click continue on logout page	to the home page	to the home page	
--	--	--------------	---	------------------	------------------	--

2. Registration

Pass / Fail Statics: 10 pass 1 fail

Execution Time: 193.96s (0:03:13)

Test case Summary:

Test Case ID	Test Case Description	Pre-Conditions	Test Steps	Expected Result	Actual Result	Pass/Fail
TC_01	Test registration with valid input data.	User is on the homepage	1. Click “My account” dropdown menu 2. Click “Register” to navigate to the registration page 3. Fill in the registration	Account creation successful, the system displays the “Your Account Has Been Created!” page.	Account creation successful, the system displays the “Your Account Has Been Created!” page.	Pass

			form with valid data 4. Click continue			
TC_02	Test registration with an empty password field.	User is on the home page	1. Click “My account” dropdown menu 2. Click “Register” to navigate to the registration page 3. Fill in the registration form with an empty password 4. Click continue	Error message: "Password must be between 4 and 20 characters!"	Error message: "Password must be between 4 and 20 characters!"	Pass
TC_03	Test registration with an empty email field.	User is on the home page	1. Click “My account” dropdown menu 2. Click “Register” to navigate to the	Error message: "E-Mail Address does not appear to be valid!"	Error message: "E-Mail Address does not appear to be valid!"	Pass

			registration page 3. Fill in the registration form with an empty email 4. Click continue			
TC_04	Test registration with an empty first name field	User is on the home page	1. Click “My account” dropdown menu 2. Click “Register” to navigate to the registration page 3. Fill in the registration form with an empty first name 4. Click continue	Error message: "First Name must be between 1 and 32 characters!"	Error message: "First Name must be between 1 and 32 characters!"	Pass
TC_05	Test registration with an	User is on the home page	1. Click “My account” dropdown menu	Error message: "Last Name must be	Error message: "Last Name must be	Pass

	empty last name field.		<p>2. Click “Register” to navigate to the registration page</p> <p>3. Fill in the registration form with an empty last name</p> <p>4. Click continue</p>	between 1 and 32 characters!"	between 1 and 32 characters!"	
TC_06	Test registration without agreeing to the privacy policy.	User is on the home page	<p>1. Click “My account” dropdown menu</p> <p>2. Click “Register” to navigate to the registration page</p> <p>3. Fill in the registration form without agreeing to privacy policy</p> <p>4. Click continue</p>	Error message: "You must agree to the Privacy Policy!"	Error message: "You must agree to the Privacy Policy!"	Pass

TC_07	Test registration with a password that exceeds the maximum length.	User is on the home page	1. Click “My account” dropdown menu 2. Click “Register” to navigate to the registration page 3. Fill in the registration form with a password that is too long 4. Click continue	Error message: "Password must be between 4 and 20 characters!"	Account creation successful, the system displays the “Your Account Has Been Created!” page.	Fail
TC_08	Test registration with a password that is too short.	User is on the home page	1. Click “My account” dropdown menu 2. Click “Register” to navigate to the registration page 3. Fill in the registration form with a	Error message: "Password must be between 4 and 20 characters!"	Error message: "Password must be between 4 and 20 characters!"	Pass

			password that is too short 4. Click continue			
TC_09	Test registration with a first name that exceeds the maximum length.	User is on the home page	1. Click “My account” dropdown menu 2. Click “Register” to navigate to the registration page 3. Fill in the registration form with a first name that is too long 4. Click continue	Error message: "First Name must be between 1 and 32 characters!"	Error message: "First Name must be between 1 and 32 characters!"	Pass
TC_10	Test registration with a last name that exceeds the maximum length.	User is on the home page	1. Click “My account” dropdown menu 2. Click “Register” to navigate to the	Error message: "Last Name must be between 1 and 32 characters!"	Error message: "Last Name must be between 1 and 32 characters!"	Pass

			registration page 3. Fill in the registration form with a last name that is too long 4. Click continue			
TC_11	Test registration with an already registered email.	User is on the home page	1. Click “My account” dropdown menu 2. Click “Register” to navigate to the registration page 3. Fill in the registration form with an existing email 4. Click continue	Error message: "Warning: E-Mail Address is already registered!"	Error message: "Warning: E-Mail Address is already registered!"	Pass

Error Details:

With test_register_password_too_long function, when entering an overly long password, an error message should display, and account creation should be prevented. But in this case, the user is still able to create an account with a long password

3. Navigation

Pass / Fail Statics: 8 pass 0 fail

Execution Time: 188.48s (0:03:08)

Test case Summary:

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Pass/Fail
TC_01	Test navigation to desktop	1. Navigate to the "Desktops" section. 2. Click on the "Show All Desktops" to check the active link for show all desktop 3. Navigate to Desktops again 4. Navigate to PC in Desktops 5. Navigate to Desktops again 6. Navigate to Mac in Desktops	The URL for each section (Desktops, PC, and Mac) is correct and as expected.	The URL for each section (Desktops, PC, and Mac) is correct and as expected.	Pass
TC_02	Test Navigate to Laptops & Notebooks	1. Navigate to the "Laptops & Notebooks" section. 2. Click on "Show All Laptops & Notebooks" and navigating through	The URL for each section (Laptops & Notebooks, Macs, Windows) is	The URL for each section (Laptops & Notebooks, Macs, Windows) is	Pass

		other sections within the "Laptops & Notebooks" category	correct and as expected.	correct and as expected.	
TC_03	Test Navigate to Components	1. Navigate to the "Components" section. 2. Click on "Show All Components" and navigating through other sections within the "Components" category	The URL for each section (Components, Mice and Trackballs, Monitors, Printers, Scanners, Webcameras) is correct and as expected.	The URL for each section (Components, Mice and Trackballs, Monitors, Printers, Scanners, Webcameras) is correct and as expected.	Pass
TC_04	Test Navigate to Tablets	1. Click on the Tablet in the navigation bar.	The URL for section tablet is correct and as expected.	The URL for section tablet is correct and as expected.	Pass
TC_05	Test Navigate to Software	1. Click on the Software in the navigation bar.	The URL for section Software is correct and as expected.	The URL for section Software is correct and as expected.	Pass
TC_06	Test Navigate to Phones & PDAs	1. Click on the Phones & PDAs in the navigation bar.	The URL for section Phones & PDAs is correct and as expected.	The URL for section Phones & PDAs is correct and as expected.	Pass

TC_07	Test Navigate to Cameras	1. Click on the Cameras in the navigation bar.	The URL for section Cameras is correct and as expected.	The URL for section Cameras is correct and as expected.	Pass
TC_08	Test Navigate to MP3 Players	1. Navigate to the " MP3 Players " section. 2. Click on "Show All MP3 Players " and navigating through other sections within the " MP3 Players " category	The URL for each section MP3 Players is correct and as expected.	The URL for each section MP3 Players is correct and as expected.	Pass

4. Data validation

Pass / Fail Statics: 3 failed, 5 passed

Execution Time: 234.45s (0:03:54)

Test case Summary:

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Pass/ Fail
TC_01	Verify the data validation for desktop categories	1. Navigate to the "Desktops" section. 2. Click on the "Show All Desktops"	1. For "PC (0)", no products should be displayed.	Show All Desktops displays products	Fail

	and ensure the correct products are displayed.	3. Navigate to Desktops again 4. Navigate to PC in Desktops 5. Navigate to Desktops again 6. Navigate to Mac in Desktops	2. For "Mac (1)", the product 'iMac' should be displayed. 3. For "Show All Desktops", 'iMac' should be displayed.	unrelated to that category.	
TC_02	Verify the data validation for Laptops and Notebooks	1. Navigate to the "Laptops & Notebooks" section. 2. Click on "Show All Laptops & Notebooks" and navigating through other sections within the "Laptops & Notebooks" category	“Macs” should be displayed 3 products, “PC” displayed 2 products and “Show All Laptops & Notebooks” displayed 5 products	“Macs” is displayed 0 products, “PC” displayed 0 products and “Show All Laptops & Notebooks” displayed 5 products	Fail
TC_03	Verify the data validation for Components	1. Navigate to the "Components" section. 2. Click on "Show All Components" and navigating through other sections within the "Components" category	Mice and Trackballs, Printers, Scanners, Webcameras should be displayed 0 products, Monitors and	Show all component is displayed 0 product	Fail

			Show all component should be displayed 2 products		
TC_04	Verify the data validation for tablets	1. Click on the Tablet in the navigation bar.	Tablets should be displayed 1 product	Tablets is displayed 1 product	Pass
TC_05	Verify the data validation for software	1. Click on the Software in the navigation bar.	Software should be displayed 0 product	Software should be displayed 0 product	Pass
TC_06	Verify the data validation for phones & pdas	1. Click on the Phones & PDAs in the navigation bar.	Phones & PDAs should be displayed 3 product	Phones & PDAs should be displayed 3 product	Pass
TC_07	Verify the data validation for cameras	1. Click on the Cameras in the navigation bar.	Cameras should be displayed 2 product	Cameras should be displayed 2 product	Pass
TC_08	Verify the data validation for MP3 player	1. Navigate to the "MP3 Players " section. 2. Click on "Show All MP3 Players " and navigating through other sections within the	MP3 Players should be displayed 4 product	MP3 Players should be displayed 4 product	Pass

		" MP3 Players " category			
--	--	-----------------------------	--	--	--

Error Details:

The product count displayed in the category listing does not match the actual number of products shown on the screen. This discrepancy indicates an inconsistency between the expected number of products for this category and the products loaded during navigation. The test checks that the product list displayed after navigation matches the expected count, ensuring accurate representation of product availability to the user.

5. Search

Pass / Fail Statics: 1 failed, 5 passed

Execution Time: 83.95s (0:01:23)

Test case Summary:

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Pass/Fail
TC_01	Test the search functionality for a valid product	1. Click on the search bar 2. Enter the search term "iPhone". 3. Click the search button.	The search result matches the search term "iPhone".	The search result matches the search term "iPhone".	Pass
TC_02	Test searching for an	1. Click on the search bar 2. Enter the search term "invalidproduct".	Display the message "There is no product that	Display the message "There is no product that	Pass

	invalid product	3. Click the search button.	matches the search criteria."	matches the search criteria."	
TC_03	Test searching for related products	1. Click on the search bar 2. Enter the search term "Mac". 3. Click the search button.	At least one search result is returned.	At least one search result is returned.	Pass
TC_04	Test searching with an empty search term.	1. Click on the search bar 2. Enter an empty search term. 3. Click the search button.	Display the message "There is no product that matches the search criteria."	Display the message "There is no product that matches the search criteria."	Pass
TC_05	Test searching with special characters	1. Click on the search bar 2. Enter the search term "%". 3. Click the search button.	Display the message "There is no product that matches the search criteria."	the search results display the product	Fail
TC_06	Test searching with a search term	1. Click on the search bar 2. Enter the search term with leading and trailing spaces " MacBook "	The search result matches the search term "MacBook"	The search result matches the search term "MacBook"	Pass

	containing whitespaces	3. Click the search button.	after trimming the spaces.	after trimming the spaces.	
--	------------------------	-----------------------------	----------------------------	----------------------------	--

Error Details:

In the test_search_with_characters function, when the input % is used as the search term, the expected result is for no products to be displayed. However, the test reveals that some products are unexpectedly shown in the search results. This indicates that the search functionality is not handling special characters correctly, allowing results to display even when no valid product match should exist.

6. Add to cart

Pass / Fail Statics: 6 failed, 5 passed

Execution Time: 182.01s (0:03:02)

Test case Summary:

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Pass/Fail
TC_01	Check the addition of products to the cart in the valid quantity	1. Click on the random product to navigate to detail page 2. Set the valid quantity 3. Click Add to Cart	Display success message: "Success: You have added [Product name] to your shopping cart!"	Display success message: "Success: You have added [Product name] to your shopping cart!"	Pass

TC_02	Check the addition of products to the cart in the empty quantity	1. Click on the random product to navigate to detail page 2. Set the empty quantity 3. Click Add to Cart	Display error message: "Warning: Please enter a valid quantity for [Product name]!"	Display success message: "Success: You have added [Product name] to your shopping cart!"	Fail
TC_03	Check the addition of products to the cart in the invalid quantity	1. Click on the random product to navigate to detail page 2. Set the invalid quantity 3. Click Add to Cart	Display error message: "Warning: Please enter a valid quantity for [Product name]!"	Display success message: "Success: You have added [Product name] to your shopping cart!"	Fail
TC_04	Check the addition of products to the cart in the string quantity	1. Click on the random product to navigate to detail page 2. Set the string quantity 3. Click Add to Cart	Display error message: "Warning: Please enter a valid quantity for [Product name]!"	Display success message: "Success: You have added [Product name] to your shopping cart!"	Fail
TC_05	Check the addition of products to the cart in	1. Click on the random product to navigate to detail page	Display error message: "Warning: Please enter a	Display success message: "Success: You	Fail

	the negative quantity	2. Set the negative quantity 3. Click Add to Cart	valid quantity for [Product name]!"	have added [Product name] to your shopping cart!"	
TC_06	Check product name and price in view items and detail page	1. Add product with valid quantity to cart 2. Navigate to View Items	Product name and price in view items must match the details page	Product name and price in view items is match the details page	Pass
TC_07	Check product name and price in view shopping cart detail page	1. Add product with valid quantity to cart 2. Navigate to Shopping Cart	Product name and price in shopping cart must match the details page	Product name and price in view items is match the details page	Pass
TC_08	Check view items when adding multiple products	1. Add more products to cart. 2. Navigate to View Items	Product name and price in view items must match the details page	Total price of product in view items do not match the details page	Fail
TC_09	Check shopping cart when adding	1. Add more products to cart. 2. Navigate to Shopping Cart	Product name and price in view items	Total price of product in shopping cart do not match	Fail

	multiple products		must match the details page	the details page	
TC_10	Check product deletion from view items	1. Add product with valid quantity to cart 2. Navigate to View Items 3. Click on remove to delete product	Succes message: "Success: You have removed an item from your shopping cart!"	Succes message: "Success: You have removed an item from your shopping cart!"	Pass
TC_11	Check product deletion from shopping cart	1. Add product with valid quantity to cart 2. Navigate to shopping cart 3. Click on remove to delete product	Succes message: 'Your shopping cart is empty!'	Succes message: 'Your shopping cart is empty!'	Pass

Error Details:

- During the test case for adding products to the shopping cart with an invalid quantity, the system failed to display the expected error message. Instead, the product was added to the cart successfully, which is incorrect behavior.
- A discrepancy was observed where the total amount displayed in the shopping cart does not align with the sum of individual product totals, indicating a calculation or display error in the cart's total pricing. This issue affects the accuracy of the shopping cart and could lead to incorrect charges.

7. Checkout

Pass / Fail Statics: 2 failed, 2 passed

Execution Time: 111.31s (0:01:51)

Test Case Sumamry:

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Pass/Fail
TC_01	Checkout with Account Creation	1. Click on the random product to navigate to detail page 2. Add product with valid quantity to cart 3. Navigate to checkout 4. Fill out the registration form 5. Click Continue	Display success message: "Success: Your account has been created!"	Display success message: "Success: Your account has been created!"	Pass
TC_02	Successful Checkout After Account Creation	1. Click on the random product to navigate to detail page 2. Add product with valid quantity to cart 3. Navigate to checkout 4. Fill out the registration form 5. Click Continue 6. Select a shipping method and confirm order.	- Success message "Success: Your account has been created!" appears. - Order confirmation message "Your order has been placed!" appears.	- Success message "Success: Your account has been created!" appears. - Order confirmation message "Your order has been placed!" appears.	Pass
TC_03	Form Validation for Blank	1. Click on the random product to navigate to detail page	Error message "Address 1 must be	- Success message "Success: Your	Fail

	Address Field	2. Add product with valid quantity to cart 3. Navigate to checkout 4. Fill out the registration form with empty address 1 5. Click Continue	between 3 and 128 characters!" appears.	account has been created!" appears.	
TC_04	Checkout with Existing User Login	1. Open the website home page. 2. Log in with valid email and password. 3. Click on the random product to navigate to detail page 4. Add product with valid quantity to cart 5. Navigate to checkout 6. Fill out checkout form 7. Select a shipping method and confirm order.	- Order confirmation message "Your order has been placed!" appears.	Error Message	Fail

Error Details:

When the “Address 1” field is left blank in the checkout form, the expected behavior is for the system to display an error message and prevent the checkout process from completing. However, in this case, the checkout succeeds despite the missing address

information. This indicates a failure in the form validation process, allowing the transaction to proceed without the required address field being completed.

8. Responsive

Pass / Fail Statics: 1 passed

Execution Time: 22.01s

Test Case Summary:

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Pass/Fail
TC_01	Check the addition of products to the cart in the valid quantity	1. Open the home page 2. Define the screen sizes for desktop, tablet, and mobile. 3. Perform the following checks for each screen size: - Check if the logo is visible using a CSS selector for the image. - Check if the navigation menu is visible. - Check if the search box is clickable.	- Logo should be visible on all screen sizes. - Navigation menu should be visible on all screen sizes. - Search box should be clickable on all screen sizes.	- Logo should be visible on all screen sizes. - Navigation menu should be visible on all screen sizes. - Search box should be clickable on all screen sizes.	Pass

Test Case Summary:

7 test case functionalities with 55 tests took 1223.74s (0:20:23)

	Pass	Fail
Login logout	6	0
Registration	10	1
Navigation	8	0
Data validation	5	3
Search	5	1
Add to cart	5	6
Checkout	2	2
Responsive	1	0
Total	42	13

42 passed and 13 failed

THE END