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REPORT GENERATION

1. Login logout

Pass / Fail Statics: 6 passed

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

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

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

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

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

2. Registration

Pass / Fail Statics: 10 pass 1 fail

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

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

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

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

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

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

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

			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

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

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

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

4. Data validation

Pass / Fail Statics: 3 failed, 5 passed

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

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

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

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

" MP3 Players "		
category		

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

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

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

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

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

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

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

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

	Address	2. Add product with	between 3 and	account has	
	Field	valid quantity to cart	128	been created!"	
		3. Navigate to checkout	characters!"	appears.	
		4. Fill out the	appears.		
		registration form with			
		empty address 1			
		5. Click Continue			
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

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

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