Project: OpenCart

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Total test cases	

Test plan / Approach

US.ID	User Story Description	Test Case ID	Test Case	No of Testcases	Module
1	As a user I should be able to login/ register into opencartsite	TC_LOGIN_001	To Verify that the login page is accessible	14	Login/RegistrationModule
		TC_LOGIN_002	To verify that an new user can Register successfully		
		TC_LOGIN_003	To verify tthat user can login via valid login credentials		
		TC_LOGIN_004	To verify tthat user cannot login via non valid credentials		
		TC_LOGIN_005	To validate the forgot password functionality works correctly		
		TC_LOGIN_006	To verify password field hides the text		
		TC_LOGIN_007	To Verify if pressing Enter instead of clicking Login works		
		TC_LOGIN_008	To verify login with an unregistered email		
		TC_LOGIN_009	To verify password visibility toggle		
		TC_LOGIN_010	To verify open cart supports any social logins(google , facebook)		
		TC_LOGIN_011	To verify the login fails if the user enters credentials with incorrect letter casing		
		TC_LOGIN_012	To verify invalid email format in registration		
		TC_LOGIN_013	To Verify session expires after 15 minutes of inactivity		
		TC_LOGIN_014	To verify Registration with Duplicate Email		
2	As a user I should be able to use the cart functionality	TC_CART_001	To add a single product in cart .	16	cart functionality module
		TC_CART_002	To Add multiple products to the cart		
		TC_CART_003	To Update product quantity in the cart		
		TC_CART_004	To Remove a product from the cart		
		TC_CART_005	To Proceed to checkout		
		TC_CART_006	To Apply a valid discount coupon		
		TC_CART_007	To Verify weather items remain in cart after login/logout		
		TC_CART_008	To verify weather items remains in cart after login		
		TC_CART_009	To add a product out of stock		
		TC_CART_010	To Exceed the maximum product quantity limit		
		TC_CART_011	To Apply an expired/invalid coupon		
		TC_CART_012	To Attempt to checkout with an empty cart		
		TC_CART_013	To Attempt to remove an item that isn't in the cart		
		TC_CART_014	To Add the same product multiple times		
		TC_CART_015	To Add a product, close the browser, and reopen		
		TC_CART_016	To verify cart behavior when required product variants are not selected		
3	As a customer, I want to browse, search, and view product details so that I can evaluate items confidently.	TC_PROD_001	To Verify product search returns relevant result	13	Product module
		TC_PROD_002	To validate product filtering by price range		
		TC_PROD_003	To verify product image zoom functionality		
		TC_PROD_004	To Test product sorting (Price Low-High).		
		TC_PROD_005	To Test product sorting Name (A-Z).		
		TC_PROD_006	To Test product sorting Name (Z-A).		
		TC_PROD_007	To Test product sorting (Price High-low).		
		TC_PROD_008	To Validate out-of-stock product visibility.		
		TC_PROD_009	To Verify product variant selection (e.g., size/color).		
		TC_PROD_010	To Test product review submission.		
		TC_PROD_011	To Verify "Related Products" section.		
		TC_PROD_012	To verify product price in different currency		
		TC_PROD_013	To Verify product descriptions switch languages (hypothetical)		
4	As a User, I should be able to save products to a wishlist so that I can revisit them later or share my preferences with others.	TC_PROD_WL_001	To Verify adding a product to the wishlist from the product page.	10	wishlist module
		TC_PROD_WL_002	To Verify removing a product from the wishlist.		
		TC_PROD_WL_003	To Verify moving a wishlist item to the cart.		
		TC_PROD_WL_004	To Test wishlist persistence after logout/login.		
		TC_PROD_WL_005	To test wishlist sharing via email or link		
		TC_PROD_WL_006	To validate maximum items allowed in wishlist (eg:50 items)		
		TC_PROD_WL_007	To Verify wishlist behavior for out-of-stock products.		
		TC_PROD_WL_008	To test wishlist accessibility without loggin in		
		TC_PROD_WL_009	To validate bulk item action (e.g.add all items to cart)		
		TC_PROD_WL_010	To test wishlist sorting (by date added)		
	As a customer, I want to compare products side-by-side so that I can evaluate features and prices easily	TC_COMP_001	To Verify adding 2 products to the comparison list.	7	comparision module
		TC_COMP_002	To Verify the comparison page displays selected products.		
		TC_COMP_003	To Test maximum products allowed in comparison (e.g., 4).		
		TC_COMP_004	To Verify removing a product from the comparison list.		
		TC_COMP_005	To Verify comparison list persistence after logout.		
		TC_COMP_006	To Verify error when comparing out-of-stock items.		
		TC_COMP_007	To Validate print/share comparison option.		

US.ID	User Story Description	Test Case ID	Test Case	Precondition	Step Action	Test Data	Expected Output	Status	Remarks	priority
1	As a user I should be able to login/ register into opencartsite	TC_LOGIN_001	To Verify that the login page is accessible	The website is up and runnning	"Open a web browser" . 2. Navigate to registration page 3. click on the "Login" button		The login page should load successfully with a Email and password field, along with a login button.	PASS		HIGH
		TC_LOGIN_002	To verify that a new user can Register successfully	1.The website is up ,running 2. The user should not already have an account	1. navigate to register page 2. Enter valid user details (first_name , last_name , Email,telephone , password and password confirm) 3. click the I have read and agree to the privacy and policy	"valid user first name " **first name : ronish** **second name : shrestha** **email :** testuser@example.com	the user should be able to register as open cart account & The system should create a new account and display a success message	PASS		HIGH
		TC_LOGIN_003	To verify that user can login via valid login credentials	the user must be registered	1. navigate to login page . 2.enter the registered login credentials , 3. click on login button		the user should be redirected to home page	PASS		HIGH
		TC_LOGIN_004	To verify that user cannot login via non valid credentials	the user must be registered	1.navigate to login page . 2. enter the unregistered login credentials for email and password		No match for E-Mail Address and/or Password , must be displayed to the user	PASS		HIGH
		TC_LOGIN_005	To validate the forgot password functionality works correctly	the user must be registered	1. navigate to the login page 2. enter the registered email . 3. click on forgot password option 4. enter the registered email , 5. check your registered email for reset password		A confirmation message should be displayed, and the email should contain a password reset link	PASS		HIGH
		TC_LOGIN_006	To verify password field hides the text	the user must be in login/registration page	1. type a password in the password field 2. "Visually confirm the password field displays asterisks (●●●●●) instead of plaintext."		Password field displays asterisks (●●●●●) or dots instead of plaintext.	PASS		MEDIUM
		TC_LOGIN_007	To Verify if pressing Enter instead of clicking Login works	user is on login page	1. navigate to the login page 2. enter valid credentials 3.press enter instead of clicking login	valid email and password	the user should be able to login successful ly	PASS		HIGH
		TC_LOGIN_008	To verify login with an unregistered email	user is on login page	1. navigate to login page 2. enter non valid email and valid password	non valid email and valid password	a message should be displayed as "Error: No account found with this email address."	PASS		HIGH
		TC_LOGIN_009	To verify password visibility toggle	user is on login page	1. navigate to login page	email and password	there should be an password visibility toggle	FAIL		LOW
		TC_LOGIN_010	To verify open cart supports any social logins(google , facebook)	1.OpenCart should support social login. 2.The user should have an active account with Google/Facebook.	1. Navigate to the OpenCart Login Page. 2. Click on the Google/Facebook login button. 3. Enter valid credentials for the chosen social account and authenticate. 4. Allow necessary permissions if prompted. 5. Verify if the user is successfully logged into OpenCart.	Google/Facebook test credentials (if using a test environment).	The user should be successfully logged into OpenCart using their Google/Facebook account, and their profile should be linked accordingly.	FAIL	OpenCart does not support social login natively; requires custom integration.	LOW
		TC_LOGIN_011	To verify the login fails if the user enters credentials with incorrect letter casing	1.A registered user with known credentials (e.g., Email: User@example.com, Password: Pass1234).	1. Navigate to the Login Page. 2. Enter the email as user@example.com instead of User@example.com. 3. Enter the password as pass1234 instead of Pass1234. 4. Click Login.		login should be fail, and an error message should be displayed	FAIL		HIGH
		TC_LOGIN_012	To verify invalid email format in registration	OpenCart registration page must be accessible.	1. Navigate to the Registration Page. 2. Enter an invalid email (**invalid@.com**) 3. Fill in other required fields with valid data. 4. Click Register.	Email : invalid@.com.	the system should display an error message (eg: "Error: Invalid email format. Please enter a valid email (e.g., user@example.com)."	FAIL		HIGH
		TC_LOGIN_013	To Verify session expires after 15 minutes of inactivity	user should be logged in	1.Log in. 2.Wait 15 minutes. 3.Refresh the page.		Redirected to login page.	FAIL		LOW
		TC_LOGIN_014	To verify Registration with Duplicate Email	A user account must already exist with a specific email (e.g., user@example.com).	1. Navigate to the Registration Page. 2. Enter the same registered email (user@example.com). 3. Fill in other required fields. 4. Click Register.	testuser@example.com	The system should display an error message (e.g., "Email already exists"). Registration should be blocked.	PASS		MEDIUM

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2	As a user I should be able to use the cart functionality	TC_CART_001	To add a single product in cart .	user must be logged in	1. Navigate to the product page. 2. Click "Add to Cart". 3. Go to the cart page.		The product should be added, and the correct quantity and price should be displayed.	PASS		HIGH
		TC_CART_002	To Add multiple products to the cart	1.The website must be running 2. user must be logged in	1. Navigate to different product pages. 2. Add multiple products to the cart. 3. Go to the cart page.		All selected products should be in the cart with correct details.	PASS		MEDIUM
		TC_CART_003	To Update product quantity in the cart	At least one product is added to the cart.	1. Add a product to the cart. 2. Change the quantity in the cart. 3. Click update.		All selected products should be in the cart with updated quantity & details.	PASS		MEDIUM
		TC_CART_004	To Remove a product from the cart	User is logged in with valid credentials	1.Add an product to cart 2. Redirect to the cart page 3. click on the remove button		the selected product should be removed from the cart page , price must be updated and page must be reloaded automatically	PASS		HIGH
		TC_CART_005	To Proceed to checkout	User is logged in with valid credentials	1. Add products to the cart. 2. Click "Checkout".		User should be redirected to the checkout page.	PASS		HIGH
		TC_CART_006	To Apply a valid discount coupon	User is logged in with valid credentials	1. Add a product to the cart. 2.Redirect to cart page 3. Click "Use coupon code " below cart items	Coupon Code: SUMMER2024 (10% discount)	The discount should be applied, and the total price should be updated.	PENDING	Pending: Coordinate with the dev team to generate test coupons (ETA: 25-Jul-2024)	LOW
		TC_CART_007	To Verify weather items remain in cart after login/logout	1.The website must be running 2. user must not be logged in	1. Add an product in the cart while not logged in . 2.click on my account button in the page 3.click "logout" button		The items must remain in cart even after login/logout .	PASS		MEDIUM
		TC_CART_008	To verify weather items remains in cart after login	The website must be running and user must be logged in	1.Add an product to cart while logged in . 2.click on log out button		The cart should display: 'Your shopping cart is empty!	PASS		HIGH
		TC_CART_009	To add a product out of stock	User is logged in with valid credentials	1. Navigate to an out-of-stock product. 2. Click "Add to Cart".		The system should show an error message (e.g., "Product is out of stock").	PASS	The cart showed that products marked with *** are not available in the desired quantity or are not in stock! But products on home page didn't have "out of stock"	HIGH
		TC_CART_010	To Exceed the maximum product quantity limit	User is logged in with valid credentials	1. Add a product with the maximum quantity allowed. 2. Try increasing beyond the limit.	product iphone , quantity 100000		FAIL		HIGH
		TC_CART_011	To Apply an expired/invalid coupon	User is logged in with valid credentials	1. Add a product to the cart. 2. Apply an expired or incorrect coupon.	invalid coupon code EXPIRED2024	The system should show an error message (e.g., "Invalid or expired coupon").	PENDING	pending as no correct data for valid /invalid coupon is not available	MEDIUM
		TC_CART_012	To Attempt to checkout with an empty cart	User is logged in with valid credentials	1.Remove all the products in cart 2.click check out button		The system should not allow checkout and display an appropriate message as "Your shopping cart is empty!"	PASS		HIGH
		TC_CART_013	To Attempt to remove an item that isn't in the cart	User is logged in with valid credentials	1. Try removing an item that was never added.		The system should not allow this action.	PASS		LOW
		TC_CART_014	To Add the same product multiple times	User is logged in with valid credentials	1. Add the same product multiple times. 2. Check if the quantity increases correctly.		The quantity should increase correctly in the cart.	PASS		MEDIUM
		TC_CART_015	To Add a product, close the browser, and reopen	The website must be running and user must be logged in	1. Add a product to the cart. 2. Close and reopen the browser. 3. Navigate to the cart.		The cart should retain the product if cookies or session storage is enabled.	PENDING	Pending: Validate session storage configuration with backend team.	MEDIUM
		TC_CART_016	To verify cart behavior when required product variants are not selected	user is on product page	1.Do not select any product variant 2.click on "Add to cart"		The system should display a message indicating that a required selection is missing. The product should not be added to the cart.Error: 'Please select product variant (e.g., size).'	FAIL	the system had no clear error message .	HIGH

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3	As a customer, I want to browse, search, and view product details so that I can evaluate items confidently.	TC_PROD_001	To Verify product search returns relevant result	1.user is logged in & 2.user is on home page	Steps: 1. Navigate to search bar. 2. Enter "Mac". 3. Click "Search".		All products with "Mac" in title/description appear.	PASS		HIGH
		TC_PROD_002	To validate product filtering by price range	1.user is logged in & 2.user is on home page	Steps: 1. Set filter to "500–1000". 2. Apply filter.		Only products within the price range are displayed.	FAIL	there is no price range (number) setup in filter , only the listing such as alphabetical , low to high , high to low	HIGH
		TC_PROD_003	To verify product image zoom functionality		Steps: 1. Hover over product image. 2. Click zoom icon.		Image enlarges without distortion	FAIL	Zoom icon missing in the UI (Bug ID: PROD-123; Reported to dev team on 10-Jul-2024).	MEDIUM
		TC_PROD_004	To Test product sorting (Price Low-High).	1.user is logged in & 2.user is on home page	Steps: 1. Select "Price: Low to High". 2. Verify order.		Products sorted by ascending price.	PASS		HIGH
		TC_PROD_005	To Test product sorting Name (A-Z).	1.user is logged in & 2.user is on home page	Steps: 1. Select sort by Name (A-Z). 2. Verify order.		Products sorted by alphabetical order of (A-Z)	PASS		MEDIUM
		TC_PROD_006	To Test product sorting Name (Z-A).	1.user is logged in & 2.user is on home page	Steps: 1. Select sort by Name (Z-A). 2. Verify order.		Products sorted by alphabetical order of (Z-A)	PASS		MEDIUM
		TC_PROD_007	To Test product sorting (Price High-low).	1.user is logged in & 2.user is on home page	Steps: 1. Select "Price: High to low ". 2. Verify order.		Products sorted by descending price.	PASS		MEDIUM
		TC_PROD_008	To Validate out-of-stock product visibility.	1.user is logged in 2. product X is out of stock			"Out of Stock" label visible on product page	PASS	not in stock message only in cart but not in product page	HIGH
		TC_PROD_009	To Verify product variant selection (e.g., size/color).		Steps: 1. Select "Red" color. 2. Add to cart.		Cart should reflect selected variant.	FAIL	no multiple variant selection option in few products but available in few .	MEDIUM
		TC_PROD_010	To Test product review submission.	1.user should be loged in 2.user should on a product page	Steps : 1 . Log in. 2. Submit a review with rating and comment.		Review appears after admin approval.	PASS	Variant dropdown not implemented (Feature Request: PROD-456).	LOW
		TC_PROD_011	To Verify "Related Products" section.	1.user should be loged in 2.user should on a product page	Steps: 1. Open product page. 2. Scroll to "Related Products		Products from the same category displayed.	PENDING	some products so relevant same related products but some doesn't	LOW
		TC_PROD_012	To verify product price in different currency	1.user should be loged in 2.user should on a product page	steps : 1. select a different currency option in home page , 2.verify the price is changed to relevant currency or not		product price change according to relevant currency	PASS	changing currency option should be available in products details page as well rather just in home page	MEDIUM
		TC_PROD_013	To Verify product descriptions switch languages (hypothetical)	1.user should be logged in	Steps: Change language to French. Open a product page.		Product title/description should change in French.	FAIL	Requires language toggle feature in future updates.	LOW

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4	As a User, I should be able to save products to a wishlist so that I can revisit them later or share my preferences with others.	TC_PROD_WL_001	To Verify adding a product to the wishlist from the product page.	user must be logged in	Steps:Navigate to a product page. Click "Add to Wishlist".		Product appears in the wishlist with correct details (name, price, image).	PASS		HIGH
		TC_PROD_WL_002	To Verify removing a product from the wishlist.	1.user must be logged in 2.there must be atleast one item in wishlist	Steps:Navigate to a wishlist page 2.clock on remove button in action section		product is removed , wishlist is updated dynamically & an message should be displayed as 'wishlist modification successful '	PASS	everything works fine accept message is displayed as 'succeess: you have modified your wish list '	MEDIUM
		TC_PROD_WL_003	To Verify moving a wishlist item to the cart.	user must be logged in	steps : 1. navigate to wishlist page , 2.click " add to cart "for an item in action section		Item moves to cart; wishlist updates.	PASS		HIGH
		TC_PROD_WL_004	To Test wishlist persistence after logout/login.	user must be logged in initially	1.add items to the wishlist 2.logout and login back		wishlist retains all the items back after process	PASS		MEDIUM
		TC_PROD_WL_005	To test wishlist sharing via email or link	1.user must be logged in . 2.there must be items in wish list	1.navigate to wishlist page 2.click on share		Recipientmust be able to view the wishlist without editing access	FAIL	no share button available	LOW
		TC_PROD_WL_006	To validate maximum items allowed in wishlist (eg:50 items)	user must be logged in		add 51 items	system must display : "maximum wishlist limit reached"	PENDING	not enough items in page for test	MEDIUM
		TC_PROD_WL_007	To Verify wishlist behavior for out-of-stock products.	1.user must be logged in 2.an item must be out of stock	1.navigate to wish list page		Wishlist displays "Out of Stock" label; item remains in list	PASS		
		TC_PROD_WL_008	To test wishlist accessibility without loggin in	user must not be logged in	1.try adding an item to wishlist as an guest		the system prompts to the user to login/register	PASS		MEDIUM
		TC_PROD_WL_009	To validate bulk item action (e.g.add all items to cart)	1.user must be logged in and 2.there must be few items in wishlist	1.navigate to wishlist page 2.click on " add all items to cart'		All items should be moved to cart	FAIL	No " Add all to cart " button or navigation	MEDIUM
		TC_PROD_WL_010	To test wishlist sorting (by date added)	1.user must be logged in 2.there must be few items in wishlist	1.navigate to wishlist page 2.click on "sort by " option 3.click on "Price:LOW TO HIGH"		Items should be reordered in accordance to instruction	FAIL	no "sort by " option	MEDIUM
	As a customer, I want to compare products side-by-side so that I can evaluate features and prices easily	TC_COMP_001	To Verify adding 2 products to the comparison list.	User is on the product page.	1.Click the "Compare" button on Product A (e.g., apple cinema) and Product B (e.g., Macbook).	Product A = apple cinema, Product B = Macbook .	Success message: "You have added apple cinema to your product comparison!"	PASS		HIGH
		TC_COMP_002	To Verify the comparison page displays selected products.	1.At least 2 products added to the comparison list.	1.Click "Product Comparison"		Side-by-side table showing specs (price, storage, camera)	PASS		HIGH
		TC_COMP_003	To Test maximum products allowed in comparison (e.g., 4).	1. 4 productsmust already be added.	1.Attempt to add a 5th product (e.g.,camera).		Error: "Maximum 4 products allowed."	PENDING	maximum capacity is not defined by developer	MEDIUM
		TC_COMP_004	To Verify removing a product from the comparison list.	1.3 products in the comparison list.	1.Click "Remove" on Product C (e.g., iphone).		the selected item is removed and dynamically redirected to left out items	PASS		MEDIUM
		TC_COMP_005	To Verify comparison list persistence after logout.	1.Products added as a guest user.	1.Log out and log back in.		Comparison list retained.	PASS	cant redirect to comparision page without adding an product to compare and only the product comparision option occurs , no dedicated comparison button is provided	MEDIUM
		TC_COMP_006	To Verify error when comparing out-of-stock items.	1.Product C(Iphone) is out of stock.	1.Click "Compare" on Product iphone.	product C:iphone	Error: "Cannot compare out-of-stock items."	FAIL	Business logic not implemented.	HIGH
		TC_COMP_007	To Validate print/share comparison option.	1.Comparison page open.	1.Click "Print/Share".		PDF generated or link copied.	FAIL	Feature not developed.	LOW