

Tester: Ramy Kotb

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Environment: Chrome 141 – Windows 10

Test Suite: Cart, Session, UI/UX, Security, Error Handling

BR-001 — TC_CP1 — Cart Persistence (items remain after refresh/login)

Test Type: Functional

Steps to Reproduce:

1. Open <https://www.demoblaze.com/> (user not logged in).
2. Add two items to cart (Nexus 6, Nokia lumia 1520).
3. Log in with username **guest_user2025** / password **1**.
4. Open Cart page.

Expected Result:

Items added as guest remain in cart after login.

Actual Result:

Cart is empty — the items added before login disappeared.

Severity: Major

BR-002 — TC_CP2 — Add items before login, then login and add more, then logout

Test Type: Functional

Steps to Reproduce:

1. Open <https://www.demoblaze.com/> (user logged out, account exists).
2. As guest, add two items to cart (Nexus 6, Nokia lumia 1520).
3. Log in with **guest_user2025** / **1** and add two more items.
4. Log out.
5. Open Cart page.

Expected Result:

Cart behavior after logout should follow system design (either persist all items to account or clear consistently); expected: consistent behavior (documented expectation: persistent or empty depending on spec).

Actual Result:

After logout, cart contains only the items that were added **before** login (guest items) — items added after login are missing. Behavior is inconsistent.

Severity: Major

BR-003 — TC_CP6 — Guest cart after clearing cookies (corrupted cart)**Test Type:** Functional / Data Integrity**Steps to Reproduce:**

1. Open <https://www.demoblaze.com/> (user not logged in).
2. Add two items as guest and go to Cart page (item: Nexus 6, Nokia lumia 1520).
3. Clear browser cookies/cache.
4. Refresh the Cart page.

Expected Result:

Cart becomes empty (or shows accurate state for guest session) after clearing cookies.

Actual Result:

Cart contains many items that were **not** chosen previously, with repeated items and an incorrect total (example observed total: \$163,180). Data appears corrupted or leaked.

Severity: Critical

BR-004 — TC_CP8 — Guest → sign up → logout → login again (guest items lost after signup)**Test Type:** Functional**Steps to Reproduce:**

1. Open <https://www.demoblaze.com/> (user not registered).
2. As guest, add two items to cart (Nexus 6, Nokia lumia 1520).

3. Sign up a new account and log in (username `guest_user2025`, password `1`).
4. Log out.
5. Log in again.
6. Open Cart page.

Expected Result:

Items added as guest prior to signup persist after signup/login (or behavior defined by spec).

Actual Result:

Cart is empty — guest items disappeared after signup/login.

Severity: Major

BR-005 — TC_MTSH6 — Cart item deletion after logout in multi-tab session (session handling issue)

Test Type: Functional / Session Management

Steps to Reproduce:

1. Open <https://www.demoblaze.com/> with the same account logged in across multiple tabs.
2. In Tab 1, add an item to cart and go to Cart page.
3. In Tab 2, log out.
4. In Tab 1, remove the item from cart.
5. Log in again.
6. Open Cart page.

Expected Result:

Because deletion occurred after logout (session expired), Cart should show the item as undeleted (or otherwise behave consistently per spec). System must handle concurrent session changes deterministically.

Actual Result:

Cart is empty and the item was deleted even though deletion happened while session was logged out — session handling logic is inconsistent.

Severity: Major

BR-006 — TC_UU1 — Homepage responsiveness on different screen sizes (header & slideshow break)

Test Type: Visual / Responsive

Steps to Reproduce:

1. Open <https://www.demoblaze.com/> on desktop.
2. Resize browser to tablet and mobile dimensions (e.g., ≤1024px and ≤800px).
3. Observe header, navigation and homepage slideshow.

Expected Result:

Layout adapts to screen size: menu collapses properly, images/slideshow appear, no overlapping or missing elements.

Actual Result:

Header layout is not adaptable on tablet/mobile sizes; slideshow below header disappears when width is lower than ~800px.

Severity: Minor

BR-007 — TC_UU5 — Button and link accessibility (tap targets) on mobile

Test Type: Visual / Usability

Steps to Reproduce:

1. Open <https://www.demoblaze.com/> on mobile view.
2. Interact with Add to Cart, Login, Sign up buttons; check spacing and tap area sizes.
3. After clicking Add to Cart, observe top menu behavior.

Expected Result:

Buttons and links are properly spaced, easy to tap, and top menu behaves correctly after actions.

Actual Result:

Login and Sign up buttons do not appear well to a normal user (visibility/usability issue). After clicking Add to Cart the top menu does not appear properly.

Severity: Minor

BR-008 — TC_UU6 — Checkout form responsiveness (fields extend outside screen on mobile)

Test Type: Visual / Functional (Checkout)

Steps to Reproduce:

1. Log in (`guest_user2025 / 1`).
2. Add an item to cart.
3. Proceed to checkout page on desktop.
4. Resize window to mobile dimensions.
5. Fill form fields and attempt to interact/submit.

Expected Result:

Form adapts properly; input fields remain visible and usable without horizontal scroll; no fields extend outside the viewport.

Actual Result:

Although inputs are present, fields do not appear properly on mobile — the form extends outside the screen and requires improvement to be usable.

Severity: Major

BR-009 — TC_SEC2 — Input Validation on Signup (special characters allowed)

Test Type: Security / Input Validation

Steps to Reproduce:

1. Open Signup modal on <https://www.demoblaze.com/>.
2. Enter a username containing invalid/special characters (e.g., `user!@#`) and password `Pass123`.
3. Click “Sign up.”

Expected Result:

System rejects invalid characters and shows validation message; no account is created with invalid username.

Actual Result:

System accepted the invalid username (account was created).

Severity: Major

BR-010 — TC_SEC3 — Password Strength Validation (weak passwords accepted)**Test Type:** Security / Validation**Steps to Reproduce:**

1. Open Signup modal.
2. Enter password **1234** (weak password) and complete signup.
3. Observe any warnings or validation messages.

Expected Result:

A warning or validation message should require a stronger password (enforce password policy).

Actual Result:

No warning message; the system accepts weak passwords.

Severity: Major

BR-011 — TC_SEC4 — Access Control: Protected Pages Accessible Without Login**Test Type:** Security / Access Control**Steps to Reproduce:**

1. While not logged in, directly navigate to **/cart.html** or **/order.html** (enter URL).
2. Observe behavior.

Expected Result:

System should redirect to login modal or block access to protected pages.

Actual Result:

The system allows direct access to the cart page without login.

Severity: Major

BR-012 — TC_SEC6 — Rate Limiting on Login Attempts (no brute-force protection)**Test Type:** Security / Authentication**Steps to Reproduce:**

1. From the same IP, attempt to log in multiple times (e.g., 10+ attempts) with incorrect passwords for a valid account.
2. Observe if CAPTCHA, temporary lockout, or “Too many attempts” message appears.

Expected Result:

After several failed attempts, system should trigger CAPTCHA, temporary lock, or other throttling to prevent brute-force attacks.

Actual Result:

System allows limitless attempts without CAPTCHA, lockout or warning.

Severity: Critical

BR-013 — TC_EH5 — Checkout with empty cart (order completes with no items)**Test Type:** Error Handling / Functional**Steps to Reproduce:**

1. Log in ([guest_user2025](#) / 1).
2. Ensure Cart page has no products.
3. Click “Place Order” and proceed through purchase flow.

Expected Result:

An alert appears (“Your cart is empty.”) or the order cannot proceed. The system must prevent purchase with an empty cart.

Actual Result:

No alert appears and the purchase completes normally despite an empty cart.

Severity: Critical

BR-014 — TC_EH7 — Invalid credit card format accepted (payment validation missing)

Test Type: Error Handling / Payment Validation

Steps to Reproduce:

1. Log in and add item to cart.
2. Proceed to “Place Order.”
3. Enter invalid credit card number (e.g., abcd123) and click “Purchase.”

Expected Result:

Validation should flag invalid card number and prevent transaction (show “Invalid card number”).

Actual Result:

No validation message; the purchase completes normally with the invalid card input.

Severity: Critical
