

SHOPPERSTACK TEST SUMMARY REPORT

Version: 1.0

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1. OBJECTIVE

The objective of this testing effort was to perform end-to-end manual testing of the ShopperStack web application, focusing on Admin, Merchant, and Shopper flows: signup, login, product management, search, add to cart, address management, and placing orders using Cash on Delivery. The goal was to validate both positive and negative scenarios derived from the requirement analysis, test plan, test scenarios, and detailed test cases.

2. SCOPE

Modules tested:

- Admin
 - Admin Signup (field presence, validations, positive and negative cases)
 - Admin Login (valid, invalid, unregistered, and blank credentials)
- Merchant
 - Merchant Signup – three-step flow (User Info, Company Info, Address)
 - Merchant Login
 - Merchant Add Product (add, validations, negative cases)
 - Merchant Edit and Delete Product
 - Product visibility to Shopper
- Shopper
 - Shopper Signup (mandatory fields, validations, negative cases)
 - Shopper Login
 - Search Products (UI, relevance, filters, navigation)
 - Add to Cart (add, update, remove, cart badge, totals, persistence)
 - Add Address (field validations and save)
 - Place Order – Cash on Delivery (checkout, address selection, order confirmation, order history)

Out of scope:

- Performance and load testing
- Security / penetration testing
- Mobile / responsive design testing (focus was desktop browser)

- Deep testing of Net Banking, Cards, vouchers, wallet beyond basic behavior
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3. TEST METRICS

- Total test cases designed: ~180+ (Admin, Merchant, Shopper, Search, Cart, Address, Place Order)
 - Total test cases executed: All designed test cases were executed
 - Test case status:
 - Passed: Majority of cases across all modules
 - Failed: A focused set of negative and validation cases in:
 - Admin Signup
 - Merchant Add Product
 - Shopper Signup
 - Add to Cart
 - Add Address
 - Total defects logged: 60+
 - Defect severity
 - Critical: a few (e.g., duplicate shopper account allowed; some search/cart issues)
 - High: majority (field validations not enforced, search filters not working, cart/total issues)
 - Medium: several (incomplete product details, missing filters, UX problems, slow search)
 - Low: some (terms language, footer links, social links behavior)
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4. MODULE-WISE EXECUTION AND FINDINGS

4.1 Admin Signup & Login

Admin Signup was tested for link visibility, navigation, presence of all mandatory fields, Register button, success messages, and detailed validation rules for first name, last name, gender, phone, email, password, confirm password, terms, and location fields.

Key results:

- Many positive cases passed, including correct behavior for mandatory field highlighting, terms acceptance, and success messages.
- Several validation issues were found and logged:

- First Name and Last Name accept more than 20 characters (BUG-001, BUG-002; TC-AS-16 and TC-AS-20 FAIL).
- Phone number validation allows numbers starting with digits outside the required range according to your expectation (e.g., starts with 5) (TC-AS-27 FAIL).
- Email and password mismatch issues are also covered by your test cases and bugs where invalid formats or mismatched values are not handled correctly.

Admin Login tests (page display, admin option selection, blank field handling, unregistered email and incorrect password rejection, successful login and redirect to dashboard) all passed.

4.2 Merchant Signup, Login, and Product Management

Merchant Signup (User Info, Company Info, Address) was fully exercised with valid and invalid data, including Admin Email, company details, GSTN, registration number, website, commission, and address validations.

Key points:

- Most positive flows, such as visible sections, Next button behavior, Admin Email mandatory validation, and basic field checks, passed.
- Failures include:
 - Merchant First Name validation not enforcing alphabets-only as expected (TC-MS-06 FAIL).
 - Merchant full signup not completing successfully at the final step even when valid data is provided (TC-MS-18 FAIL), indicating a functional or backend issue.

Merchant Login scenarios (option selection, unregistered email, incorrect password, successful login and redirect to merchant dashboard) passed.

Merchant Add Product was tested for presence of fields, product name, brand, category, category type, price, quantity, discount, URLs, description, search tags, and for successful creation, visibility and deletion of products.

Key issues:

- Product Name/Brand/Product Title length validations not enforced; very long names are accepted without error (TC-MAP-05, TC-MAP-08, TC-MAP-10 FAIL).
- Price validation allows non-numeric values such as “abc123” (TC-MAP-14 FAIL).
- Quantity allows zero/negative values and invalid discounts/percentages are accepted (TC-MAP-16, TC-MAP-18 FAIL).
- Invalid URL formats, description length and search tag formats are not always validated correctly (TC-MAP-20–22 FAIL).

At the same time, successful creation, edit, delete, and shopper visibility of a correctly added product all passed.

4.3 Shopper Signup & Login

Shopper Signup was tested for page navigation, presence of all fields, name, gender, phone, email, password and confirm rules, terms acceptance, error message display and successful registration with valid data.

Findings:

- Valid scenarios for signup and subsequent login work correctly (TC-SS-16, TC-SS-17 PASS).
- Validation issues:
 - First Name validation not strict as expected; your test case TC-SS-04 shows that invalid data is accepted (FAIL), and bugs such as BUG-008 and BUG-014 confirm that over-length names and special characters are accepted.
 - Phone number starting digit validation does not behave fully as expected (TC-SS-09 FAIL; BUG-010).
 - Some invalid input combinations do not trigger the right error messages (TC-SS-15 FAIL).

Shopper Login tests for valid login, unregistered email, wrong password, blank fields and redirect to product listing were successful.

4.4 Search Products

Search Products was tested for search bar visibility, ability to type, display of name/price/thumbnail, search by exact and partial product names, handling of no-result, special characters, navigation to product detail and behavior on returning and searching again.

Bug report shows that beyond basic functionality, search relevance and filters have many problems:

- For queries such as “jacket”, “men tshirt”, “men sweater” and “men kurta”, results contain irrelevant categories or wrong gender products.
- Pagination, infinite scroll and various filters (price, size, color, discount, brand, material, occasion) are missing or non-functional for some search types.
- Typo tolerance and search history are not working, impacting usability.

4.5 Add to Cart

Add to Cart functionality was tested for Add to Cart button visibility, adding products, updating quantity, removing items, accessing cart via cart icon, cart retention across pages, clearing cart after order, and total price calculation.

Results:

- Most core actions like add, remove, open cart page, clear cart after order and multi-item total behave correctly.
- Defects found:
 - Cart icon badge does not always update correctly when items are added (TC-AC-04 FAIL).
 - Quantity changes in the cart do not always update subtotals correctly (TC-AC-07 FAIL).

4.6 Add Address

Add Address was tested for page navigation, presence of all fields (name, address lines, landmark, country, state, city, pin code, phone, address type), correct field behavior, mandatory enforcement and successful save.

- Many positive cases, including complete valid address save and address appearing in list for selection, passed.
- There is at least one failure around phone number starting digit validation in address, where invalid phones are accepted without error (TC-AA-08 FAIL; related bug in BugReport).

4.7 Place Order (COD)

Place Order (COD) was tested for proceeding from cart to checkout, selecting delivery address, selecting COD method, showing order summary, blocking order placement when address or cart is missing, and verifying order in history and confirmation page.

All your COD-related test cases passed, indicating that the main order placement flow works correctly for the tested scenarios.

5. **DEFECT SUMMARY**

From ShopperStack_BugReport.xlsx:

- Total defects logged: 60+
- Typical patterns:
 - Validation defects in Admin Signup and Shopper Signup (name length, name characters, phone starting digit, email format, password mismatch handling)

- Validation and data quality issues in Merchant Add Product (product name/brand/title lengths, numeric fields, discounts, URLs, search tags)
- Search defects involving relevance, filtering, pagination, infinite scroll, typo handling and search experience
- Cart issues (badge count, quantity → subtotal calculation)
- Address phone validation and several footer/header/mobile UX issues

This shows strong focus on negative and edge-case testing, not only happy paths.

6. COVERAGE AND QUALITY ASSESSMENT

Coverage:

- Functional coverage is high across Admin, Merchant and Shopper workflows.
- Validation coverage is high for most critical input fields, with detailed boundary and negative tests.
- Integration coverage is good due to complete flows such as Admin signup → login, Merchant signup → login → product management → Shopper search, and Shopper signup → login → search → cart → address → COD order.

Quality assessment:

- Core business flows (signups, logins, basic search, add to cart, COD ordering) are working and usable.
- However, quality is reduced by:
 - Many missing or incorrect validations, allowing invalid data into the system
 - Search relevance and filtering issues that hurt user experience
 - Some cart and address validation problems

Overall, the current build is functionally usable, but not ready for production without addressing the logged High and Critical defects.

7. RISKS AND RECOMMENDATIONS

Risks:

- Loose input validation can lead to poor data quality and potential issues in downstream systems.
- Search and filter defects can prevent users from finding correct products.
- Cart and address issues may lead to incorrect pricing or delivery problems.
- Non-functional aspects (performance, security, mobile) are not covered in this cycle.

Recommendations:

1. Prioritize fixing High and Critical validation and search defects first.
 2. Strengthen field validations on all signup and product/address forms at both UI and backend.
 3. Improve search relevance and filter logic (category/gender/price/size/color, etc.).
 4. After fixes, perform a focused regression run over:
 - All signup modules
 - Merchant Add Product
 - Search + Add to Cart
 - Checkout (COD)
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8. CONCLUSION

ShopperStack project successfully demonstrated a full manual testing lifecycle:

- Requirement Analysis and Test Plan
- Test Scenarios and detailed Test Cases
- Test Execution across all major modules
- Defect logging with clear Bug IDs, steps and impact
- Consolidation into this Test Summary Report

You achieved good coverage of functional, validation, negative and integration testing, and identified a meaningful set of defects that, once fixed, would significantly improve application quality.