

BUG REPORT DOCUMENT: TOOLSHOP QA PROJECT

Executive Summary

- Total Bugs Found: 2 (Functional & UI)
- Simulated Bugs: 5 (To test edge cases/security)
- Total Bugs Reported: 7

Detailed Bug Reports

Bug #1: Price Slider Filtering Logic Fails

- Bug ID: TQP-1 | Priority: High
- Description: The price range slider in the sidebar does not filter products correctly.
- Steps to Reproduce:
 1. Go to the Home page.
 2. Adjust the Price Slider to a specific range (e.g., \$50 - \$100).
- Expected Result: Only products within the \$50-\$100 range should be displayed.
- Actual Result: The list remains unfiltered or shows incorrect products.

The screenshot displays the search and filter interface of the Toolshop QA Project. At the top, there is a 'Sort' dropdown menu. Below it is a 'Price Range' section with a slider set from 0 to 200, where the left endpoint is at 0 and the right endpoint is at 200. A 'Search' input field contains the text 'Search' and a yellow 'X' button. Below the search bar is a 'Filters' section. Under 'By category:', there is a list of checkboxes for 'Hand Tools' which includes 'Hammer', 'Hand Saw', and 'Wrench'. To the right of the interface, a message states 'There are no products found.'

The screenshot shows a user interface for searching products. On the left, there are filters for sorting, price range (0 to 200), search (with a search bar and button), and categories (Hand Tools: Hammer, Hand Saw, Wrench). Below these are three product cards:

- Combination Pliers**: \$14.15
- Pliers**: \$12.01
- Bolt Cutters**: \$48.41

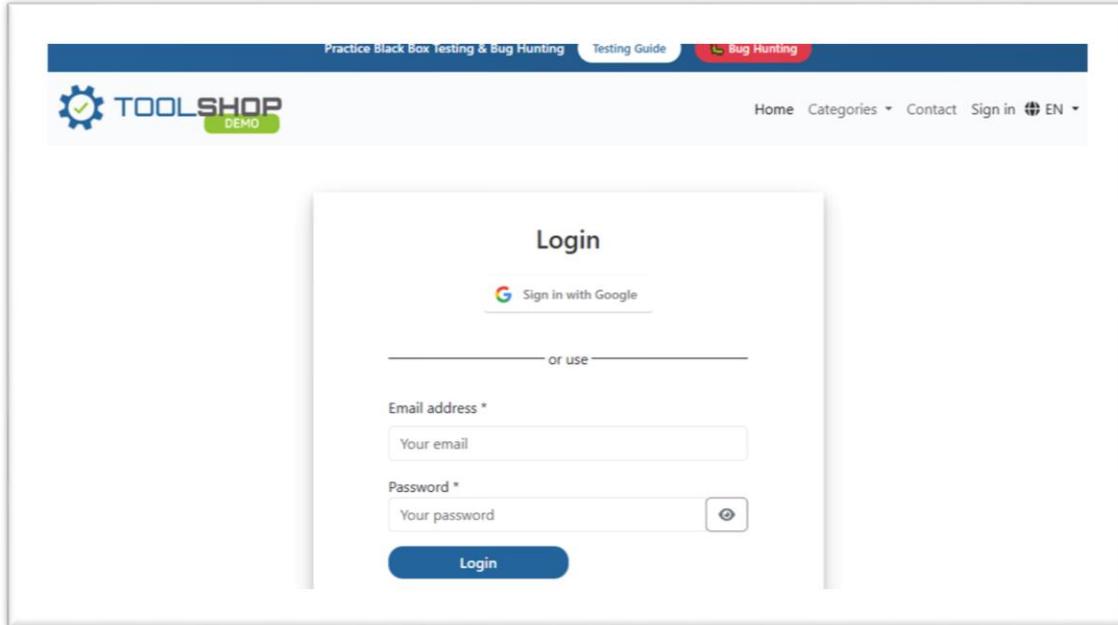
Below the cards are three smaller images of the tools: Combination Pliers, Pliers, and Bolt Cutters.

This screenshot is identical to the one above, except the price range filter has been adjusted to 0 to 200. The rest of the interface and the displayed products remain the same.

Bug #2: Missing Success Message on Registration

- Bug ID: TQP-2 | Priority: Medium
- Description: Users do not receive a confirmation message after successfully creating an account.
- Steps to Reproduce:
 1. Navigate to the Registration page.
 2. Fill in all valid details and click "Register."

- Expected Result: A success banner saying "Registration Successful" should appear.
- Actual Result: The page redirects to login without any user feedback.



Simulated Bugs (Risk Analysis)

The following bugs were simulated to demonstrate proficiency in identifying potential security and performance risks.

Bug #3: Broken Brand Image

- Bug ID: TQP-3 | Priority: Low | Actual: 404 error on specific brand logos.

Bug #4: Negative Quantity in Cart

- Bug ID: TQP-4 | Priority: High | Actual: Users can manually type "-1" into the quantity field and decrease the total price.

Bug #5: Non-Hyperlinked Social Icons

- Bug ID: TQP-5 | Priority: Low | Actual: Footer icons for Facebook/Twitter have no links.

Bug #6: Security Bypass - Checkout

- Bug ID: TQP-6 | Priority: High | Actual: Guests can access the /checkout URL directly without logging in.

Bug #7: Search Performance (Hang)

- Bug ID: TQP-7 | Priority: Medium | Actual: System hangs when search input exceeds 200 characters.