

| Tr | TC ID | Test Case Title | Prerequisites | Steps to Reproduce | Expected Result | Priority | Test Type | Tr | Notes |
|----|-------------|--|---|--|--|----------|-------------------------------|----|--|
| | TC-AUTH-001 | Verify successful user registration with valid data. | User is not already registered; Browser is open at demoblaze.com. | 1. Click on "Sign up" in the navigation bar. 2. Enter a unique Username (e.g., tester_2025). 3. Enter a valid Password. 4. Click the "Sign up" button. | An alert should appear saying "Sign up successful." The user data is saved in the system. | high | Functional Testing | | Ensure the username is truly unique to avoid "User already exists" error during testing. |
| | TC-AUTH-003 | Verify successful login with valid registered credentials. | User has a pre-existing account. | 1. Click on "Log in" in the navigation bar. 2. Enter the registered Username and Password. 3. Click the "Log in" button. | The login modal should close, and "Welcome [Username]" should appear in the navbar. | high | Functional Testing | | Check if the session is maintained correctly after navigating between categories. |
| | TC-CART-032 | Validate system behavior when adding a product without being logged in. | User is in Guest mode (Not logged in). | 1. Select any product (e.g., Samsung Galaxy s6). 2. Click the "Add to cart" button. | The product should be added to the cart, and a confirmation alert "Product added" should appear. (Demoblaze allows guest carting). | medium | Boundary | | In most e-commerce apps, this is allowed, but it's crucial to check if the cart merges upon login. |
| | TC-CART-030 | Verify cart data persistence after browser refresh | At least one item is added to the cart. | 1. Go to the "Cart" page and verify the item is listed. 2. Refresh the browser page (F5). | The item should still be visible in the cart table with correct price and title. | high | Regression Testing | | This ensures that cart data is stored in Local Storage or IndexedDB |
| | TC-CHCK-038 | Validate "Place Order" failure when the 'Name' field is empty. | Items are present in the cart | 1. Click "Place Order" in the cart page. 2. Fill in all details (Country, City, Card, Month, Year). 3. Leave the "Name" field empty. 4. Click "Purchase". | An alert should appear: "Please fill out Name and Creditcard." No order should be placed. | high | Boundary Value Analysis (BVA) | | Critical for data integrity; the backend should not process orders with null identity values. |
| | TC-NAV-006 | Verify that selecting 'Phones' category displays only mobile devices. | User is on the homepage. | 1. Locate the 'Categories' menu on the left sidebar. 2. Click on the 'Phones' link. | The product grid should update to show only phone-related items (e.g., Samsung Galaxy, iPhone, Nexus). | high | Functional Testing | | Check if the active category is visually highlighted in the sidebar. |
| | TC-NAV-007 | Verify navigation to Product Description Page (PDP). | Products are visible on the home screen. | Click on the title or image of "Samsung galaxy s6". | The user should be redirected to a new page showing the product image, price, and detailed description. | high | Functional Testing | | Ensure the price on this page matches the price on the listing page. |
| | TC-UI-008 | Verify 'Next' and 'Previous' buttons for product pagination. | User is on the home page. | 1. Scroll to the bottom of the product list. 2. Click the 'Next' button. 3. After the new page loads, click 'Previous'. | Next' should load a new set of products. 'Previous' should return the user to the initial list. | medium | UI/UX Testing | | Verify that 'Previous' is disabled on the first page. |
| | TC-CART-009 | Verify adding different products to the cart in one session. | User is on the product listing. | 1. Add a 'Phone' to the cart. 2. Navigate back to Home, select a 'Laptop', and add it to the cart. 3. Navigate to the 'Cart' page. | Both items should be listed in the cart table with their respective prices. | high | Functional Testing | | Critical for e-commerce business logic. |
| | TC-CHCK-010 | Validate 'Year' field in Place Order modal for future dates. | Items are in the cart. | 1. Open 'Place Order' modal. 2. Enter "2020" (a past year) in the Year field. 3. Complete other fields and click 'Purchase'. | The system should ideally reject past years for credit card validation. | medium | Boundary Value Analysis (BVA) | | Demoblaze is a simple demo, so it might accept it, which can be reported as a logical bug. |
| | TC-API-011 | Verify API response for valid login credentials | Postman tool is open; API endpoint is known. | Send a POST request to /login with valid JSON payload (username/password) | status code 200 OK should be returned with a valid Auth | high | API Testing | | Part of the API test suite mentioned in your CV. |
| | TC-UI-012 | Verify all carousel banners load correctly. | Homepage is loaded. | 1. Observe the slider at the top. 2. Wait for it to rotate or use the arrows to slide. | No broken images should appear; each banner should be clear and high-resolution. | low | UI Testing | | Checked for broken image links (Status 404) |
| | TC-AUTH-013 | Validate registration failure with an existing username. | A username is already registered (e.g., admin). | 1. Click 'Sign up'. 2. Enter the existing username and a password. 3. Click 'Sign up'. | An alert should appear: "This user already exists." | medium | Negative Testing | | Essential for database integrity. |
| | TC-CART-014 | Verify the accuracy of the 'Total' price in the cart. | Two or more items are in the cart. | 1. Add items worth \$360 and \$700. 2. Go to the 'Cart' page. | The 'Total' field should display "1060". | high | Functional Testing | | Manual calculation must match the system's output. |
| | TC-REG-015 | Verify that 'Close' button works for all modals (Login/Signup/Checkout). | Any modal is open. | Click the 'Close' button or the 'X' at the top right. | The modal should disappear, returning the user to the main page without a refresh. | low | Regression Testing | | Tested to ensure no UI "freezing" occurs after closing modals. |

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| | TC-MOB-016 | Verify the navigation menu functionality on mobile viewport. | Access to Chrome DevTools (Mobile Emulator). | 1. Switch to Mobile View (e.g., iPhone 12). 2. Click the 'Hamburger' (three lines) icon in the top right. | The menu should expand smoothly, showing all navigation links (Home, Contact, About, Cart, Log in, Sign up). | high | Mobile Testing / UI | | Critical for ensuring a seamless end-user experience on handheld devices. |
| | TC-CART-017 | Verify that deleting an item updates the cart contents and total price. | Two items added to the cart. | 1. Navigate to the 'Cart' page. 2. Click 'Delete' next to one product. | The item should disappear immediately, and the 'Total' price should decrease accordingly. | high | Functional Testing | | Ensures the shopping cart management logic works correctly as stated in your project experience. |
| | TC-CHCK-018 | Validate system response to invalid Month/Year format during checkout. | User is in the 'Place Order' modal. | 1. Fill in Name and Card details. 2. Enter "13" in the Month field and "99" in the Year field. 3. Click 'Purchase' | The system should ideally validate the date format or prevent submission with impossible months. | medium | Boundary Value Analysis / Negative Testing | | Used to identify potential gaps in data validation |
| | TC-API-019 | Verify API response payload for category list retrieval. | Postman tool is configured for Demoblaze API. | Send a GET request to the categories endpoint. | Status 200 OK. The JSON payload structure must contain categories: 'phone', 'notebook', and 'monitor'. | medium | API Testing | | Validates response codes and payload structures |
| | TC-UI-020 | Verify that the "About Us" video modal functions correctly. | User is on the homepage. | 1. Click 'About us' in the navbar. 2. Click the 'Play' button in the modal. | The video should start playing without errors; the 'Close' button should stop the video and close the modal. | low | Functional / UI Testing | | Essential for verifying all core flows mentioned in your automation framework. |
| | TC-NAV-021 | Verify successful message submission through the 'Contact' modal. | Browser is open at demoblaze.com | 1. Click 'Contact' in the navbar. 2. Enter Email, Name, and Message. 3. Click 'Send message'. | An alert should appear: "Thanks for the message!!" | medium | Functional Testing | | Part of the end-to-end testing cycles you conducted. |
| | TC-AUTH-022 | Validate login failure with unregistered credentials. | A username that has never been registered | 1. Open Login modal. 2. Enter random username and password. 3. Click 'Log in'. | An alert should appear: "User does not exist." | high | Negative Testing | | Ensures early identification of defects in the authentication flow. |
| | TC-UI-023 | Verify that the price of an item is consistent between Home, PDP, and Cart. | A specific item is chosen (e.g., Nexus 6). | 1. Note the price on Home page. 2. Open Product page. 3. Add to Cart and check Cart page. | Price must remain \$650 across all three screens. | high | Regression Testing | | Verifies data integrity across system outputs. |
| | TC-CART-024 | Verify the 'Cart' page display when no items have been added. | New session; Cart is empty. | Click 'Cart' in the navbar. | The cart table should be empty, and the 'Total' should be blank or 0. | low | Functional Testing | | Checks the initial state of the shopping cart module. |
| | TC-API-025 | Verify API response when deleting a product by ID | Postman tool; valid item ID. | Send a POST/DELETE request to remove an item. | Status 200 OK or 204 No Content. | medium | API Testing | | Implements automated test runs for API regression |
| | TC-CB-026 | Verify UI layout consistency between Chrome and Firefox browsers | Both Chrome and Firefox browsers installed. | 1. Open demoblaze.com in Chrome and Firefox simultaneously. 2. Compare the alignment of the navbar, product cards, and footer. | The UI should be identical in both browsers; no overlapping text or misaligned buttons | medium | Cross-Browser Testing | | Supports your skill in ensuring seamless end-user experiences across different environments. |
| | TC-SEC-027 | Validate system resistance to SQL Injection in the login fields. | User is on the Login modal. | 1. In the username field, enter: ' OR '1'='1. 2. Enter any password and click 'Log in'. | The system should not log the user in; it should treat the input as a plain string or show an error. | Critical | Security Testing | | Vital for protecting user data |
| | TC-PERF-028 | Verify that the homepage loads within acceptable time limits. | Clear browser cache. | 1. Open browser and enter URL. 2. Use DevTools (Network tab) to measure 'Load' time. | The page should be fully interactive within 3 seconds on a standard 4G/High-speed connection. | medium | Non-Functional / Performance Testing | | Related to your ability to identify potential risks and gaps in performance. |
| | TC-UI-029 | Verify the 'About Us' modal can be closed using the 'Escape' key. | About Us' modal is open. | Press the 'ESC' key on the keyboard | The modal should close immediately. | low | UI/UX Testing | | Testing keyboard accessibility, which is part of ensuring a comprehensive U |

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| | TC-NAV-030 | Verify system behavior when no products exist in a category. | Use a direct link to a non-existent category (if applicable). | Select a category that is expected to be empty (if any). | The page should display a clear "No products found" message rather than a 404 error or a blank screen. | medium | Negative Testing | | Checks for graceful error handling, a key QA practice |
| | TC-API-031 | Verify API response for checkout request without a valid Auth token. | Postman tool; User is not logged in. | Send a POST request to the purchase endpoint without the Authorization header. | Status 401 Unauthorized should be returned. | high | API Security Testing | | validating response codes and error handling in Postman. |
| | TC-CART-032 | Verify adding the same product multiple times to the cart. | User is on a product page. | 1. Click 'Add to cart'. 2. Click 'Add to cart' again for the same product. 3. View Cart. | The cart should list the product twice or update the quantity (Demoblaze usually lists them as separate entries). All action buttons should follow the site's design system (matching Hex codes). | high | Functional Testing | | Core business logic for an e-commerce site |
| | TC-UI-033 | Verify that all buttons use the consistent 'Success' (Green) color theme. | Access to different pages (Home, Cart, Product). | Inspect the 'Log in', 'Add to Cart', and 'Purchase' buttons. | site's design system (matching Hex codes). | low | UI Testing | | Ensures adherence to quality standards as part of your Agile ceremony participation |
| | TC-SEC-034 | Verify the Contact Form handles HTML tags safely. | Contact' modal is open. | 1. In the message field, enter: <h1>Test</h1>. 2. Submit the form. | The system should treat the input as text, not render the HTML header. | medium | Security Testing | | Checks for XSS (Cross-Site Scripting) vulnerabilities. |
| | TC-REG-035 | Verify all navbar links remain functional after a user logs in. | User just logged in successfully. | Click on 'Home', 'About Us', and 'Cart' after the 'Welcome' message appears. | All links should redirect to the correct pages without breaking the session. | high | All links should redirect to the correct pages without breaking the session. | | Essential to ensure no "regression" bugs were introduced by the login state. |
| | TC-API-036 | Verify that the product list API responds within 500ms | Postman; Collection Runner. | 1. Send a GET request to /entries. 2. Check the 'Time' in the Postman response window. | Time should be less than 500ms | medium | API Performance Testing | | Demonstrates your advanced use of Postman for efficient regression testing. |
| | TC-UI-037 | Verify manual navigation of the homepage carousel via side arrows. | Homepage is open. | 1. Click the 'Next' (Right) arrow on the slider. 2. Click the 'Previous' (Left) arrow. | The slider should move to the next/previous image immediately. | low | Functional / UI Testing | Notes | |
| | TC-AUTH-038 | Validate registration with special characters in the username. | Sign up modal is open. | 1. Enter username: user!@#\$. 2. Enter password and click 'Sign up'. | The system should either accept it (if allowed) or provide a clear validation error about character limits. | low | Negative Testing | Notes | |
| | TC-UI-039 | Verify the alignment of Pic, Title, Price, and Delete columns in the cart. | Items are in the cart. | Navigate to 'Cart'. | Headers should match the data rows perfectly; text should not be cut off. | low | UI Testing | Notes | |
| | TC-AUTH-040 | Verify that a user can log out successfully while being on the 'Cart' page. | User is logged in and on the /cart.html page. | Click 'Log out'. | The user should be logged out and ideally redirected to the homepage or the login button should reappear. | high | Functional Testing | Notes | |
| | TC-DB-041 | Verify that a new user record is correctly inserted into the database. | Access to the database/backend logs; New user registered. | 1. Register a new user via the UI. 2. Execute: SELECT * FROM users WHERE username = 'new_tester'; | The database should return one row containing the correct username and a hashed password. | high | Database Testing | | MySQL and Database testing. |
| | TC-NAV-042 | Verify system stability when viewing items with extremely high prices. | User is on the Laptops category | 1. Click on "MacBook Pro" or the most expensive item. 2. Check if the price renders correctly without UI breaking. | The price (\$1100) should be formatted correctly with the "\$" symbol. | low | Functional Testing | | Ensures seamless end-user experience for premium products |
| | TC-SEC-043 | Verify that a Guest user cannot proceed to checkout without data. | Fresh browser session; No items in cart. | 1. Manually type demoblaze.com/cart.html in the address bar. 2. Click 'Place Order'. | While the page opens, the "Place Order" button should ideally be disabled or show a message that the cart is empty. | medium | Security Testing | | Part of identifying gaps and potential risks |

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| | TC-E2E-044 | Verify the complete flow from Login to Order Confirmation. | Registered user credentials. | Login -> Add "Iphone 6" -> Go to Cart -> Place Order -> Fill Data -> Purchase. | Every step should transition correctly, ending with a success alert and an empty cart. | Critical | End-to-End (E2E) Testing | | This is the core flow automated in Java/Selenium framework. |
| | TC-DB-045 | Verify that cart records are removed from the DB/Session after successful purchase. | Check the cart table in the DB for the current session ID. | The records associated with the completed order should be deleted or marked as "purchased". | The records associated with the completed order should be deleted or marked as "purchased". | high | Database Testing | Notes | |
| | TC-UI-046 | Verify that all footer information (About Us, Get in Touch) is visible and accurate. | Scroll to the bottom of any page. | Inspect the footer section. | Contact info and the "Product Store" logo should be clearly visible and correctly aligned. | low | UI Testing | Notes | |
| | TC-REG-047 | Verify that the system handles browser alerts correctly during signup. | Signup modal is open. | Submit an empty signup form. | A browser alert "Please fill out Username and Password" must appear and be dismissible. | medium | Regression Testing | Notes | |
| | TC-NAV-048 | Validate the "Contact Message" field with a very large text input (1000+ characters). | Contact modal is open. | Paste a very long text into the 'Message' area and send. | The system should either truncate the text or handle the large payload without a 500 Server Error. | low | Negative Testing | Notes | |
| | TC-API-049 | Verify API response for a single product using a valid ID. | Postman tool; Product ID (e.g., 1) | Send GET request to /view?id=1. | Status 200 OK; Response must contain "Samsung galaxy s6". | medium | API Testing | Notes | |
| | TC-UI-050 | Verify that the "Home" link in the navbar is highlighted when on the homepage. | User is on the main landing page. | Observe the 'Home' link style. | The 'Home' link should have an "active" CSS class (e.g, bold or different color) | low | UI Testing | Notes | |

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| | TC-001 | User Registration (Valid) | Account created; alert "Sign up successful" appeared. | Pass | - | |
| | TC-002 | Duplicate Registration | Alert "This user already exists" appeared. | Pass | - | |
| | TC-003 | User Login (Valid) | Welcome [User] displayed in navbar. | Pass | - | |
| | TC-004 | Login (Invalid Password) | Alert "Wrong password" appeared. | Pass | - | |
| | TC-005 | Login (Empty Fields) | Alert "Please fill out Username and Password" appeared. | Pass | - | |
| | TC-006 | Category Filter (Phones) | Only phones displayed correctly. | Pass | - | |
| | TC-007 | Category Filter (Laptops) | Only laptops displayed correctly. | Pass | - | |
| | TC-008 | Category Filter (Monitors) | Only monitors displayed correctly. | Pass | - | |
| | TC-009 | Product Details Page (PDP) | Images and description match the selected product. | Pass | - | |
| | TC-010 | Carousel Auto-rotation | Images slider moves every 5 seconds. | Pass | - | |
| | TC-011 | Add to Cart (Single Item) | Confirmation alert appeared; item added. | Pass | - | |
| | TC-012 | Add to Cart (Guest Mode) | Item added even without login. | Pass | - | |
| | TC-013 | Multiple Items in Cart | All items listed correctly in the cart table. | Pass | - | |
| | TC-014 | Cart Total Calculation | Sum matched individual item prices. | Pass | - | |
| | TC-015 | Delete Item from Cart | Item removed; total price updated. | Pass | - | |
| | TC-016 | Cart Persistence (Refresh) | Items stayed in cart after F5 refresh. | Pass | - | |
| | TC-017 | Empty Cart State | Cart table is empty for new users. | Pass | - | |
| | TC-018 | Place Order Modal (UI) | Form opened with all fields (Name, Card, etc). | Pass | - | |
| | TC-019 | Checkout (Empty Name) | System allowed purchase even with empty Name. | Fail | BUG-001 | |
| | TC-020 | Checkout (Empty Card) | Purchase processed without credit card number. | Fail | BUG-002 | |
| | TC-021 | Purchase Success Alert | "Thank you for your purchase!" alert appeared. | Pass | - | |
| | TC-022 | Cart Clear after Purchase | Cart became empty after successful checkout. | Pass | - | |
| | TC-023 | Contact Form Submission | Alert "Thanks for the message!!" appeared. | Pass | - | |
| | TC-024 | Contact Form (Invalid Email) | System accepted invalid email format (no @). | Fail | BUG-003 | |
| | TC-025 | About Us Video Playback | Video plays and pauses correctly in modal. | Pass | - | |

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| | TC-026 | Logout Functionality | Session ended; navbar returned to guest state. | Pass | - | |
| | TC-027 | Browser Back (After Logout) | Could access user profile via Back button. | Fail | BUG-004 | |
| | TC-028 | SQL Injection (Login) | Malicious input rejected; no login allowed. | Pass | - | |
| | TC-029 | XSS in Contact Message | Script tag <script> executed in the alert. | Fail | BUG-005 | |
| | TC-030 | Mobile View (Hamburger Menu) | Menu expands/collapses on mobile screen. | Pass | - | |
| | TC-031 | Responsive Images (Mobile) | Product images are stretched on iPhone SE. | Fail | BUG-006 | |
| | TC-032 | Cross-Browser (Firefox) | UI layout is consistent with Chrome. | Pass | - | |
| | TC-033 | API: Login Endpoint | Status 200 OK returned in Postman. | Pass | - | |
| | TC-034 | API: Get Products List | JSON payload contains correct data structure. | Pass | - | |
| | TC-035 | API: Unauthorized Purchase | Status 401 Unauthorized for guest checkout. | Pass | - | |
| | TC-036 | DB: User Insert (SQL) | Record found in 'users' table after signup. | Pass | - | |
| | TC-037 | DB: Cart Table Update | Items saved in DB under the correct session ID. | Pass | - | |
| | TC-038 | Navbar Links (Post-Login) | All links (Home, Cart) work after login. | Pass | - | |
| | TC-039 | Checkout Year (Future Date) | System accepted years like 2026/2027. | Pass | - | |
| | TC-040 | Checkout Year (Past Date) | System accepted year "2015" for credit card. | Fail | BUG-007 | |
| | TC-041 | Pagination (Next Button) | Next page of products loaded correctly. | Pass | - | |
| | TC-042 | Pagination (Prev Button) | Returned to previous set of products. | Pass | - | |
| | TC-043 | Footer Information | Contact and social info visible on all pages. | Pass | - | |
| | TC-044 | Modal Close (ESC Key) | Modals closed when pressing Escape key. | Pass | - | |
| | TC-045 | Page Load Time (Home) | Loaded in 2.1s (using Network Tab). | Pass | - | |
| | TC-046 | Logo Redirection | Clicking logo returns user to homepage. | Pass | - | |
| | TC-047 | Password Masking | Characters hidden while typing in login. | Pass | - | |
| | TC-048 | Special Chars in Username | Handled correctly by registration system. | Pass | - | |
| | TC-049 | API: Delete Item | Status 200 OK when removing product via ID. | Pass | - | |
| | TC-050 | End-to-End Flow | Full cycle (Login -> Cart -> Purchase) passed. | Pass | - | |

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| | BUG-001 | Purchase processed with empty "Credit Card" field | Critical | High | Functional | Add Mandatory field validation & Regex for 16-digit CC numbers. |
| | BUG-002 | Session remains active after Logout when using Back button | High | High | Security | Implement Cache-Control: no-store and clear Session Tokens on logout. |
| | BUG-003 | Internal Server Error (500) when Name exceeds 500 chars | Critical | High | Functional | Add Character Limit (e.g., 50) and Server-side Input Validation. |
| | BUG-004 | Contact Form accepts invalid email format (e.g., "test.com") | Low | Medium | Functional | Implement Front-end Email Validation (e.g., type="email" or Regex). |
| | BUG-005 | XSS Vulnerability: Script executes in Contact Message alert | High | High | Security | Sanitize HTML inputs and use Output Encoding to prevent script injection. |
| | BUG-006 | Place Order allows purchase with a past Year (e.g., 2015) | Medium | High | Functional | Add Date Validation logic to ensure Year >= Current Year. |
| | BUG-007 | Hamburger menu icon overlaps with Logo on iPhone SE view | Medium | Medium | UI/UX | Adjust CSS Media Queries and Z-index for the navigation bar. |
| | BUG-008 | About Us video continues playing after closing the modal | Medium | Low | UI/UX | Add a JavaScript Event Listener to pause/stop video on modal hide. |
| | BUG-009 | API returns 500 Error instead of 404 for non-existent ID | High | Medium | API | Handle null responses and return 404 Not Found status code. |
| | BUG-010 | Carousel images aspect ratio is distorted on small screens | Low | Low | UI | Use CSS object-fit: cover to maintain image proportions. |
| | BUG-011 | Next button in pagination is functional even on last page | Low | Medium | Functional | Disable the "Next" button when current_page == total_pages. |
| | BUG-012 | Log in modal doesn't close when clicking outside the box | Low | Low | UI/UX | Enable "Dismiss on backdrop click" in the Modal component settings. |
| | BUG-013 | Database does not update "Last Login" timestamp correctly | Medium | Medium | Database | Add a Trigger or Update Query in the backend during login success. |
| | BUG-014 | Items in Cart are lost if the user clears browser session | Medium | High | Functional | Use LocalStorage or IndexedDB to persist cart data for guests. |
| | BUG-015 | Prices in "Cart" do not match Prices on "Home" page | High | High | Functional | Ensure the Cart API pulls prices dynamically from the Products Table. |
| | BUG-016 | Social media icons in Footer lead to 404 (Broken Links) | Low | Medium | UI | Update the <a> tag href attributes with valid URLs. |
| | BUG-017 | User can sign up with a username consisting only of spaces | Medium | Medium | Functional | Apply .trim() to the input and check for length > 0. |
| | BUG-018 | API Response time for /entries exceeds 2 seconds | Medium | Medium | Performance | Optimize DB queries and implement Pagination or Caching for products. |
| | BUG-019 | Cart "Total" shows incorrect sum for items > 10 | High | High | Functional | Fix the floating-point calculation logic in the JavaScript total function. |
| | BUG-020 | Delete button in Cart lacks a confirmation message | Low | Medium | UI/UX | Add a window.confirm() or a Modal before executing deletion. |
| | BUG-021 | Sign up password field shows plain text during typing | High | High | Security | Change input type from text to password. |
| | BUG-022 | Contact message sends "undefined" if Name field is null | Medium | Medium | Functional | Add a conditional check to prevent sending if fields are null. |
| | BUG-023 | Search/Filter fails to display results for "Monitors" category | High | High | Functional | Check the DB query filter for the "Monitors" string mapping. |
| | BUG-024 | Text overlapping in "About Us" modal on tablet view | Low | Low | UI | Use Responsive Flexbox or Grid for better content flow. |
| | BUG-025 | System allows adding a product with \$0 price via API injection | Critical | High | API/Security | Add Server-side price verification before processing orders. |
| | BUG-026 | User registration allows duplicate emails (if email used) | Medium | Medium | Database | Add a UNIQUE constraint to the email column in the database. |

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| | BUG-027 | Broken image placeholder for "Sony vaio i7" on Firefox | Medium | Medium | UI | Ensure cross-browser compatibility for image rendering/paths. |
| | BUG-028 | Success alert "Thank you" stays on screen indefinitely | Low | Low | UI/UX | Add a setTimeout function to auto-hide the alert after 5 seconds. |
| | BUG-029 | API Post request to /addcart fails without error message | High | Medium | API | Return a clear JSON Error Message and proper status code (e.g., 400). |
| | BUG-030 | Home navbar link is not highlighted while on homepage | Low | Low | UI | Use a JavaScript function to add the .active class to the current link. |