Bug ID	Notes	Reproducible?	User	Title	Area/Page	Environment	Severity	Priority	Preconditions	Steps to Reproduce	Expected Result	Actual Result	Evidence	Status
SD-BUG-001	Arrow on sort doesnt work	Yes	standard_user	Product sorting does not reorder items correctly on Inventory Page	inventory page	Chrome (latest) – Windows 11 – Desktop – SauceDemo	Medium	Medium	User is logged in as standard_user User is on the Inventory Page	1. Log in as standard_user 2. Navigate to the Inventory Page 3. Open the Sort dropdown 4. Select a different sorting option (e.g., Price low to high) 5. Observe product order	Products reorder correctly based on the selected sorting option.	Product order does not update correctly after changing the sorting option.	SD-BUG-001_sort_issue.png	New
SD-BUG-002	able to check out with nothing in cart	Yes	standard_user	User is able to proceed to checkout with an empty cart	Check out	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in as standard_user Cart is empty	1. Log in as standard_user 2. Ensure the cart is empty 3. Navigate to the Cart Page 4. Click the Checkout button	User should not be allowed to proceed to checkout with an empty cart.	User is able to proceed to the checkout flow despite having an empty cart.	SD-BUG-002_empty_cart_checkout.png	New
SD-BUG-003	logging in with diffrent accounts keeps items from previos account	Yes	problem_user	Cart items persist between different user sessions after login switch	inventory page / Check out	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User A adds item to cart User logs out User logs in as a different user	1. Log in as standard_user 2. Add an item to the cart 3. Log out 4. Log in as problem_user 5. Navigate to the Cart Page	Cart should be empty for the new user session.	Cart contains items from the previous user session.	SD-BUG-003_cross_user_cart.png	New
SD-BUG-004	Display pictures are incorrect on product	Yes	problem_user	Product images display incorrectly for problem_user on Inventory Page	inventory page	Chrome (latest) – Windows 11 – Desktop – SauceDemo	Medium	Medium	User is logged in as problem_user User is on the Inventory Page	1. Log in as problem_user 2. Navigate to the Inventory Page 3. Click on a product (e.g., Sauce Labs Backpack) 4. Observe the product detail page	User is navigated to the correct product detail page for the selected item.	User is redirected to an incorrect product detail page or incorrect product information is displayed.	SD-BUG-004_product_navigation_error.png	New
SD-BUG-005	Cant chanage sorting order	Yes	problem_user	Sorting dropdown does not update product order when selection changes	inventory page	Chrome (latest) – Windows 11 – Desktop – SauceDemo	Low	Low	User is logged in as problem_user User is on the Inventory Page	1. Log in as problem_user 2. Navigate to the Inventory Page 3. Attempt to click Add to Cart on affected products 4. Observe cart behaviour	Selected product is successfully added to the cart.	Product is not added to the cart when the Add to Cart button is clicked.	SD-BUG-007_add_to_cart_failure.png	New
SD-BUG-006	Cant remove product from the cart on home page but can do it from cart page	Yes	problem_user	Remove option is not available for products on Inventory Page	inventory page	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in (any user) User is on the Inventory Page	1. Log in to SauceDemo 2. Navigate to the Inventory Page 3. Look for a Remove button on any product that has not been added to cart 4. Compare to Cart Page behaviour	(Needs validation) Either: A) Remove button is not shown until item is added to cart (expected design), OR B) If item is in cart, Remove is available on Inventory Page to remove it.	Remove option is not available/visible on Inventory Page (as observed).	SD-BUG-006_remove_inventory.png	Needs validation
SD-BUG-007	Cant add certain products to cart	Yes	problem_user	Certain products cannot be added to cart for problem_user	inventory page – Product Navigation	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in as problem_user User is on the Inventory Page	1. Log in as problem_user 2. Navigate to the Inventory Page 3. Attempt to click Add to Cart on affected products 4. Observe cart behaviour	Selected product is successfully added to the cart.	Product is not added to the cart when the Add to Cart button is clicked.	SD-BUG-007_add_to_cart_failure.png	New
SD-BUG-008	Items displays wrong product when selected blue labs bolt t-shirt displays sauce lab onesie	Yes	problem_user	Incorrect product image displayed when selecting Sauce Labs Bolt T-Shirt	inventory page – Product Navigation	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in as problem_user User is on the Inventory Page	1. Log in as problem_user 2. Navigate to Inventory Page 3. Click on "Sauce Labs Bolt T-Shirt" 4. Observe the product detail page shown	User is navigated to the correct product detail page for Sauce Labs Bolt T-Shirt.	User is navigated to an incorrect product detail page / incorrect product information is displayed.	SD-BUG-008_bolt_tshirt_wrong_page.png	Duplicate of SD-BUG-004
SD-BUG-009	Sauce Labs Backpack Displays Sauce Labs Fleece Jacket	Yes	problem_user	Sauce Labs Backpack displays incorrect product image	inventory page – Product Navigation	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in as problem_user User is on the Inventory Page	1. Log in as problem_user 2. Navigate to Inventory Page 3. Click on "Sauce Labs Backpack" 4. Observe the product detail page shown	Backpack product detail page is displayed.	Incorrect product detail page is displayed (e.g., redirects to a different product page).	SD-BUG-009_backpack_wrong_page.png	Duplicate of SD-BUG-004
SD-BUG-010	Red t-shirt displays back pack	Yes	problem_user	Sauce Labs Red T-Shirt displays incorrect product image	inventory page – Product Navigation	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in as problem_user User is on the Inventory Page	1. Log in as problem_user 2. Navigate to Inventory Page 3. Click on "Sauce Labs Red T-Shirt" 4. Observe the product detail page shown	Red T-Shirt product detail page is displayed.	Incorrect product detail page / incorrect product details are displayed.	SD-BUG-010_red_tshirt_wrong_page.png	Duplicate of SD-BUG-004
SD-BUG-011	Bike light displays black t shirt	Yes	problem_user	Sauce Labs Bike Light displays incorrect product image	inventory page – Product Navigation	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in as problem_user User is on the Inventory Page	1. Log in as problem_user 2. Navigate to Inventory Page 3. Click on "Sauce Labs Bike Light" 4. Observe the product detail page shown	Bike Light product detail page is displayed.	Incorrect product detail page / incorrect product details are displayed.	SD-BUG-011_bike_light_wrong_page.png	Duplicate of SD-BUG-004
SD-BUG-012	fleece jacket displays item not found	Yes	problem_user	Sauce Labs Fleece Jacket displays item not found image	inventory page – Product Navigation	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in as problem_user User is on the Inventory Page	1. Log in as problem_user 2. Navigate to Inventory Page 3. Click on "Sauce Labs Fleece Jacket" 4. Observe the product detail page shown	Fleece Jacket product detail page is displayed.	Incorrect product page is displayed or an error image/message appears (e.g., item not found).	SD-BUG-012_fleece_jacket_error.png	Duplicate of SD-BUG-004
SD-BUG-013	Labs onesie displays red t-shirt	Yes	problem_user	Sauce Labs Onesie displays incorrect product image	inventory page – Product Navigation	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in as problem_user User is on the Inventory Page	1. Log in as problem_user 2. Navigate to Inventory Page 3. Click on "Sauce Labs Onesie" 4. Observe the product detail page shown	Onesie product detail page is displayed.	Incorrect product detail page / incorrect product details are displayed.	SD-BUG-013_onesie_wrong_page.png	Duplicate of SD-BUG-004
SD-BUG-014	Product discription for bike light doesnt make sense as light is black	Yes	problem_user	Product description for Sauce Labs Bike Light is incorrect	inventory page – Product Navigation	Chrome (latest) – Windows 11 – Desktop – SauceDemo	High	High	User is logged in as problem_user	1. Log in to SauceDemo 2. Navigate to Inventory Page 3. Open the product detail page for "Sauce Labs Bike Light" 4. Review the description text displayed	Product description matches the intended/accurate description for the item.	Product description contains incorrect or inconsistent information (as observed).	SD-BUG-014_bike_light_description.png	New
SD-BUG-015	Website stutters and is slow to respond	Yes	performance_glitch_user	Application response is significantly slow for performance_glitch_user	Backing out from product page	Chrome (latest) – Windows 11 – Desktop – SauceDemo	Medium	High	User is on the Inventory Page	1. Log in as performance_glitch_user 2. Add an item to the cart 3. Navigate to the Cart Page 4. Proceed to Checkout 5. Observe system responsiveness	Checkout pages load promptly and user can proceed without noticeable delay.	Checkout process is noticeably slow and response times are significantly delayed.	SD-BUG-015_checkout_performance.png	New

Key Findings Report
Testing Scope

Exploratory and functional testing was conducted on the SauceDemo e-commerce application, focusing on:
product browsing and sorting
cart behaviour
user session isolation
product navigation integrity
checkout performance

Testing was executed across multiple user personas including standard_user, problem_user, and performance_glitch_user.
Key Findings

Product navigation integrity failure (HIGH)
Multiple products selected by problem_user redirected to incorrect product detail pages.
Risk
undermines product accuracy
damages user trust may lead to incorrect purchase decisions indicates possible product ID mapping defect Impact level: High
Primary defect: SD-BUG-004

Cross-user cart contamination (HIGH)
Cart contents persisted between different user sessions after logout/login switching.
Risk session isolation failure potential data leakage between users serious concern in real e-commerce or fintech systems
Impact level: High
Primary defect: SD-BUG-003

Checkout flow allows empty cart progression (HIGH)
System permitted navigation into checkout flow with no items in the cart.
Risk
business rule violation potential downstream order validation issues poor user flow control
Impact level: High
Primary defect: SD-BUG-002

Add-to-cart failures for problem_user (HIGH)
Certain products could not be added to the cart when logged in as problem_user.
Risk direct revenue impact broken purchase path inconsistent user experience across accounts
Impact level: High
Primary defect: SD-BUG-007

Sorting behaviour inconsistent (MEDIUM)
Product sorting did not reliably reorder items when different sort options were selected.
Risk degraded browsing experience reduced product discoverability potential UX confusion Impact level: Medium
Primary defect: SD-BUG-001

Checkout performance degradation (MEDIUM severity / HIGH priority)
Noticeable slowness observed during checkout when using performance_glitch_user.
Risk increased cart abandonment risk negative user experience potential conversion impactTechnical severity: Medium
Business priority: High
Primary defect: SD-BUG-015