

High Severity, Low Priority Bugs in E-commerce Web Application

In software testing, the severity of a bug refers to the impact it has on the system's functionality. A high-severity bug significantly affects critical functionalities, causing system failures or substantial deviations from expected behavior. Priority, on the other hand, indicates the urgency of fixing the bug. A low-priority bug, even if severe, is scheduled for fixing later, often because it affects rarely used features or scenarios that are not critical at the moment.

1. Payment Gateway Failure in Specific Currency

- High Severity: Users cannot complete purchases using a particular currency. Low Priority: This currency is rarely used by the customer base.
- Technical: When users select a rarely used currency, the payment gateway integration fails due to incorrect API calls or missing currency configuration.
- Simple: Users can't pay in a specific, rarely used currency.

2. Crash When Filtering Products by a Rare Attribute

- High Severity: The website crashes, disrupting user experience. Low Priority: The attribute filter is rarely used by customers.
- Technical: Filtering by an uncommon attribute triggers a crash, possibly due to null reference or unhandled exception.
- Simple: The site crashes when filtering by a rarely used feature.

3. Incorrect Discount Calculation for Bulk Orders High Severity: Users are charged incorrect amounts. Low Priority: Bulk orders are rare.

- Technical: The discount logic has a bug when calculating bulk order discounts, leading to incorrect pricing.
- Simple: Bulk orders get wrong discounts.

4. Failure to Load Product Images on Secondary Pages

- High Severity: Product images do not load, affecting user experience. Low Priority: Occurs on less frequently visited pages.
- Technical: Image URLs or CDN issues prevent images from loading on less-visited pages. Simple: Product images don't show up on certain pages.

5. Inability to Apply Multiple Coupons on Checkout High Severity: Users cannot avail multiple discounts. Low Priority: Only a few users use multiple coupons.

- Technical: The checkout process doesn't handle multiple coupon codes due to a bug in the discount application logic.
- Simple: Users can't use more than one coupon at a time.

6. Error in Wishlist Functionality for Out-of-Stock Items

- High Severity: Users cannot add out-of-stock items to wishlist. Low Priority: Out-of-stock items are a small portion of the catalog.
- Technical: The wishlist feature crashes or misbehaves when adding out-of-stock items due to lack of proper handling.
- Simple: Can't add out-of-stock items to wishlist.

7. Mismatch in Product Specifications on Detailed View High Severity: Detailed view shows incorrect specifications. Low Priority: Rarely visited detailed specifications page.

- Technical: The product detail page shows incorrect specs due to outdated or incorrect data fetching logic.
- Simple: Wrong details shown on product page.

8. Search Function Fails for Long Strings

- High Severity: Users can't search with long keywords. Low Priority: Most users use short search queries.
- Technical: Long search queries cause database or server errors, possibly due to input length limits or inefficient query handling.
- Simple: Searching with long phrases doesn't work.

9. Incorrect Display of User Loyalty Points

- High Severity: Users see wrong loyalty points balance. Low Priority: Loyalty points program has low participation.
- Technical: The loyalty points calculation or display logic has errors, showing incorrect balances. Simple: Users see wrong loyalty points balance.

10. Failure to Load Reviews for Products with No Reviews

- High Severity: Page crashes if a product has no reviews. Low Priority: Most products have at least one review.
- Technical: The review section crashes when there are no reviews, likely due to poor handling of empty datasets.
- Simple: Page crashes if there are no reviews.