

# 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.