

QA SKILL ASSESSMENT

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Git Link: <https://github.com/Minuli-Lavanya/QA-SKILL-TEST-SURGE>

Manual Testing Section

1. Questions and Clarifications

To effectively plan and design the test cases for the wallet-related product feature on eBay, the following clarifications are needed:

1. What is the definition of a "main product"?
2. How are the "related products" determined (based on tags, category, keywords)?
3. Is the related product list dynamic or static?
4. What defines a "best seller" product? Is it based on sales volume, rating, or another metric?
5. How is the price range determined?
6. What happens if there are fewer than six related products?
7. What should happen if no related products are found?
8. Is the related product section present on all devices (mobile and desktop)?
9. What happens if a product from the related list is out of stock?
10. Are there any accessibility requirements for displaying related products?
11. Will the system cache the related products or fetch them in real-time?
12. Are there sorting or filtering options within the related products section?
13. What user actions are expected (e.g., clicking, hovering)?

2. Test Strategy Document

Objective: Verify that a list of up to six related best-selling products appears on the main product page when a shopper searches for a wallet on eBay.

Scope:

- Functional testing of related products display
- UI/UX testing
- Negative testing (e.g., no related items, wrong category)
- Cross-browser and mobile testing

Testing Types:

- Manual Testing
- Regression Testing
- UI Testing
- Exploratory Testing
- Automation Testing (Playwright)

Test Environment:

- Staging environment with mock data or real data
- Browsers: Chrome, Firefox, Safari
- Devices: Desktop, Mobile (iOS, Android)

Tools:

- TestRail or Excel for manual test cases
- Playwright for automation

Risks:

- Ambiguity in related product rules
- Delay in fetching related products

2. Test Strategy Document

i ***Detailed Test Cases***

Test Case ID	Test Case Description	Expected Result	Type
TC01	Search for a wallet and view the main product page	Main product and up to 6 related products appear	Positive

TC02	Ensure related products are in the same category	Related products must belong to "wallet" category	Positive
TC03	Related products should have "Best Seller" tag	Products display "Best Seller" label	Positive
TC04	Check if all related products are within price range of main product	Prices fall within 10% range	Positive
TC05	Click on a related product	Redirects to the related product's page	Positive
TC06	No related products exist	Message shown like "No related products found"	Negative
TC07	Related products are from different categories	System should filter them out	Negative
TC08	Related products exceed six	Only six displayed	Edge
TC09	Product out of stock	Show out of stock label or remove from list	Edge
TC10	Products displayed incorrectly on mobile	Responsive layout displayed	UI

ii. **Assumptions**

- Related products are fetched dynamically based on category and sales ranking.
- Price range is determined by +/-10% of main product price.
- Maximum of 6 products will be shown.
- Feature works similarly on both mobile and desktop.
- Data is available for all test cases.

iii. **Preconditions**

- User is logged in (if required).
- Main product exists in the catalog.
- Related products exist in the backend database.
- User has access to the product page.

iv. Test Data / Required Data

- Main Product: Wallet (Price: \$20)
- Related Product 1-6: Wallets (\$18 - \$22)
- Related Product 7: Same category, lower sales (excluded)
- Related Product 8: Different category (excluded)

4. Bug Reports

Bug ID	Title	Steps	Expected	Actual	Severity
1	Related products exceed limit of 6	Search for "wallet" > View product page	Max 6 related products displayed	8 products shown	Medium
2	Related products from different categories shown	Search for "wallet" > View related products	All from wallet category	Includes belts and shoes	High
3	Price range mismatch in related products	Search for wallet (\$20) > Check related products	Prices between \$18 and \$22	One product is \$30	Medium
4	Related product label missing	View related products section	All products marked as "Best Seller"	Some labels missing	Low
5	Related products layout breaks on mobile	Open main product page on mobile	Responsive grid layout	Products overlap	High

Automation Testing Section

Git Repo Link: <https://github.com/Minuli-Lavanya/QA-SKILL-TEST-SURGE>