Happy Path Journey Overview

Scenario: Search for "Nike React Phantom Run Flyknit 2", add small-sized black products to the cart, and verify the cart.
Platform: Demoevershop.
Testing: API and UI
Feedback: Logs of defects and report generation.

1. UI Test Case

Step	Action	Expected Result	Actual Result
1. Navigate to the homepage	Open the browser and go to the homepage of the e-commerce platform.	The homepage should load successfully.	The homepage should load successfully.
2. Search for the product	Type "Nike react phantom run flyknit 2" in the search bar and hit enter.	The correct product should appear in the search results.	The correct product should appear in the search results.
3. Filter by size and color	Apply filters for "Size: Small" and "Color: Black"	The filtered products should be displayed, matching the criteria.	The filtered products should be displayed, matching the criteria.
4. Add product to the cart	Select a small-sized black product, click "Add to Cart"	The product should be added to the cart successfully.	The product should be added to the cart successfully.
5. Repeat for second product	Add another small-sized black product to the cart.	The second product should be added to the cart.	The second product should be added to the cart.
6. Go to the cart	Click on the cart icon and navigate to the cart.	The cart page should load successfully, displaying both products.	The cart page should load successfully, displaying both products.
7. Verify the cart	Check the cart for both products, verifying size, color, and quantity.	The correct products with the specified size and color should appear in the cart.	The correct products with the specified size and color should appear in the cart.

1. API Test Case

Step 1: Search API

Request: Send a GET request to the search API endpoint with the query "Nike react phantom run flyknit 2".

Request URL:https://demo.evershop.io/search?keyword=Nike+react+phantom+run+flyknit+2

Expected Response:

Status Code: 200 OK

Response Body: JSON with product data including:

Product Name:Nike react phantom run flyknit 2

Step 2: Add Products to Cart API

Request 1: Send a POST request to the add-to-cart API with the product sku,qty.

Request URL:https://demo.evershop.io/api/cart/mine/items

{"sku": "NJC48508-Black-S",
"qty": "1"}

Expected Response:

Status Code: 200 OK

Response Body: JSON with cart data reflecting the added product.

Request 2: Repeat the POST request to add a second small-sized black product to the cart.

Step 3: Verify Cart API

Request: Send a GET request to the cart API to retrieve all items in the cart.

Request URL:https://demo.evershop.io/cart

Expected Response:

Status Code: 200 OK

Response Body: JSON with cart data:
2 Products
Correct size: Small
Correct color: Black

API Test Analysis

API test analysis work as expected

UI Test Analysis

Search Experience: 1. The UI search functionality performed are not well returned the correct product in the search results.

2. Search Product returned the correct product when we search only using product name and partial product name in the search results.

3.Product rating option are not available

4. There is no option for customer review

Test Report Generation

Test Case Execution: Both API and UI test cases were executed.

Overall Conclusion:			
The search and cart functionalities worked mostly as expected.			