

Q1|[Mark 20] You have a shoe-selling e-commerce platform. Now, the client wants to implement a new feature "Search". During the client meeting, they mentioned they wanted to make the search dynamic, with any keywords, or specific text. Now you have a chance to get into more details on the feature. You can ask 10 questions to the client. List the questions according to priority.

Ans: For making dynamic the search feature, the 10 questions to the client are:

1. Do you have data about user search specifications?
2. What is the expectation about how this site will prioritize the result of the search?
3. For one Keyword how many suggestions do you want to show like for A,B and c and so on ?
4. Do you want to add the voice search option there ?
5. Do you want to show suggestions to the user according to his/her previous search data?
6. Do you want to send a notification to the user when he/she searches one thing but does not get at this time but when it will be available do you want to send the notification?
7. From the search do you want to add an option to that user can modify his/her search demands when they search some complex things?
8. Do you expect search results to display personalized recommendations?
9. What is your expectations about the search items according to your needs?
10. Do you want to use AI in the search?

Q2|[Mark 20] Write down the test cases according to your questions.

Generating test Cases For the Questions,

1. User Search Specifications

Test Case: Verify that the system gathers and tracks search specifications to support tailored search functionality.

Steps:

Perform a variety of searches with different specifications (e.g., color, brand, size).

Check if the system tracks and logs these specifications accurately.

Expected Result: The system should capture and log all search specifications without loss of data or errors.

2. Search Result Prioritization

Test Case: Verify that search results are prioritized based on client-defined criteria, such as relevance or popularity.

Steps:

Search for a common keyword (e.g., "sports shoes").

Observe the order of search results and check if it aligns with relevance or other priority settings.

Expected Result: Results should be ordered according to prioritization criteria (e.g., relevance, popularity).

3. Suggestion Limit for Keywords

Test Case: Verify that the search feature shows the correct number of suggestions for a single keyword.

Steps:

Type in a partial keyword, such as "A" or "B."

Count the suggestions displayed.

Expected Result: The number of suggestions should match the client's specified limit (e.g., top 5 or 10 suggestions).

4. Voice Search Option

Test Case: Verify the functionality of the voice search option if implemented.

Steps:

Activate the voice search feature.

Speak a common search term, like "running shoes."

Expected Result: The voice input should be correctly processed and return relevant search results.

5. Suggestions Based on Previous Search History

Test Case: Verify that the search feature provides suggestions based on the user's previous searches.

Steps:

Conduct multiple searches (e.g., "sneakers," "boots").

Log out and log back in, or return later to search.

Check if suggestions are influenced by previous search history.

Expected Result: The search field should show suggestions that are personalized according to past search behavior.

6. Notification for Out-of-Stock Search Results

Test Case: Verify that users receive a notification when a previously unavailable item becomes available after a search with no results.

Steps:

Search for an out-of-stock item (e.g., "size 11 red sneakers").

Subscribe to notifications.

Make the item available and check if the user receives a notification.

Expected Result: The user should receive a notification as soon as the previously out-of-stock item becomes available.

7. Option to Modify Search Criteria for Complex Searches

Test Case: Verify that users can refine or modify their search parameters after performing a complex search.

Steps:

Perform a complex search (e.g., "blue running shoes under \$100, size 9").

Check if there's an option to modify the criteria (e.g., adjust price or size).

Expected Result: Users should be able to refine their search with ease, updating filters or criteria as desired.

8. Personalized Recommendations in Search Results

Test Case: Verify that search results include personalized recommendations based on user history or preferences.

Steps:

Log in as a registered user and perform searches relevant to past purchases or preferences.

Review the search results for personalized recommendations.

Expected Result: Search results should include relevant recommendations based on the user's prior searches and purchase history.

9. Client Expectations for Search Items

Test Case: Verify that search results align with the client's expectations (e.g., include specific items or categories).

Steps:

Search for a variety of items across different categories.

Review results to ensure they meet the client's specifications, such as item type, ranking, and availability.

Expected Result: Search results should consistently align with the expected items and specifications requested by the client.

10. Use of AI in Search

Test Case: Verify the integration of AI to enhance search accuracy and relevancy.

Steps:

Perform searches using complex or abstract keywords.

Observe if the AI component provides accurate, relevant results based on user intent.

Expected Result: The AI should interpret user queries intelligently, delivering relevant results even for non-specific or abstract terms.

Q3|[Mark 20] Let's say, your development team implemented the feature on the Evershop site (<https://demo.evershop.io/>). Now execute your test case into the URL and generate a report.

Test Case ID	Test case Description	Test Steps	Expected Result	Actual Result	Status	Remarks
1.	Verify login Functionality	Provide the Input : Valid Email and wrong Password	Can not log in to the System. Show an Invalid email or password	As expected. There should be a specific one like an invalid email or invalid password. If both are wrong then show an invalid email and password.	Pass	-
2.	For ordering one specific shoe item	Click on the specific item and select the size and quantity then click on the add to cart	Oder will pursue easily	Here also add the previous item that I selected previously.	fail	Should add a timer for 10 min. If the product is not paid successfully it should be removed from the cart.
3.	Check the cart item for the Kids, Men and women	Follow all procedure	Order will pursue with all requirements	When got to the Kids page and order something it also store the previous oder in the order cart	fail	One order should specify for one type.
4.	The Button "Shop Now "	Click on the button	It shows all thing in One page with all things	But It showa " Home / An Amazing EverShop Store "	fail	Should go to the order page

5.	In the Women Page Check the page with Size and Brand	Click from the left side check box	It show with my specific requirements	It Shows with the quantity they have	pass	-
6.	In the Women Page Check the page with Size ,Color and Brand	Click from the left side check box	It show the some shoes with users selection	When I selected the green and brown color it show the another color.	fail	It show the only selected color for one case specifications.
8.	Add to cart problem when select the specifications.	Select the specification from the left side check box color and size	It will select the specific color from my previous page specifications	Here need to select color again in the add to cart page . It ia mandatory thing	fail	Here only quantity is more important more then the variant color.
9.	Search Button	Select the search bar from the home page	Show the expected name as per user need with search button click	There is no button for the search	fail	Add a search button
10.	Search Filed	Write some part	Show some suggestion from the existing shoes need	There do not suggest any thing according to some search keyword	fail	Add some suggestion with keyword
11.	Add in the check box	After all things in add to cart page	All is successfull y store message	All is successfully store message	pass	-

Summary of Results:

- **Passed Test Cases:** 3
- **Failed Test Cases:** 8

Q4[[Mark 40] Now there is a happy path journey for searching with the text “Nike react phantom run flyknit 2”. Add a couple of small-sized black products to your cart. Then verify the Cart. Now execute the journeys from both API and UI. Now provide feedback on your test analysis, keep logs of the defects, and generate a report.

Procedure of API test

For the API test here used Postman

ID	Test Scenario	Steps	Expected Result
1.	Search for a product via API	Do search with the GET request	Product details for "Nike React Phantom Run Flyknit 2" should be returned.
2.	Add product to cart via API	Send a POST request to	The response confirms the product has been added to the cart successfully.
3.	Verify cart contents via API	Send a GET request to	Cart details should show the added product(s).

Then the test results

Step	Status	Details
Search API	✓ Passed	Status Code: 200 OK
Add to Cart	✗ Failed	404 Not Found. /cart endpoint is invalid or not accessible.
Verify Cart	✗ Failed	Unable to verify the cart because the product was not added successfully.

Follow the test scenarios and the test case her the result for this .

2. For the Ui test.

Test Cases

Test Case ID	Scenario	Status	Verdict
1.	Search the product	✓ Passed	Product successfully found.
2	Add products to the cart	✓ Passed	Added Successfully
3	Verify cart details	✓ Passed	Displays correct product details