# Documentation - Test Case in Software Testing - Edureka

* ***Test Script*:** A line-by-line description of all the actions and data needed to perform a test.
* ***Test Case:***Describes a specific idea that is to be tested, without detailing the exact steps to be taken or data to be used.
* ***Test Scenario:***It is a simple description of an objective a user might face when testing.

# Test Case For Search Functionality

The search functionality of the software should allow users to search for specific content within the software. The search results should be displayed in a manner that is easy to understand and navigate. The article focuses on discussing test cases for the search functionality:

### Test Case For Search Functionality

The below table shows some possible test cases for different features present in the search functionality:

| **Feature to be tested** | **Test Cases** |
| --- | --- |
| **Search box** | 1. Verify that the search box is present on the page and is visible to the user. 2. Test that the search box accepts input from the user. |
| **Search results** | 1. Verify that the search results are relevant to the search query. 2. Test that the search results are displayed correctly on the page. 3. Test that the search results are sorted correctly. 4. Test that the search results are displayed correctly when no results are found. |
| **Search functionality** | 1. Verify that the search functionality works correctly when multiple search terms are used. 2. Verify that the search functionality works correctly when special characters are used in the search query. 3. Verify that the search functionality works correctly when the search query is empty. 4. Test the search functionality by entering a valid search term and verifying that the correct results are displayed. 5. Test the search functionality by entering an invalid search term and verifying that no results are displayed. 6. Test the search functionality by entering a search term with multiple words and verifying that the correct results are displayed. 7. Test the search functionality by entering a search term with special characters and verifying that the correct results are displayed. 8. Test the search functionality by entering a search term with leading and trailing spaces and verifying that the correct results are displayed. 9. Check that the search functionality works as expected when no results are found. 10. Check that the search functionality works as expected when there are multiple results. 11. Check that the search functionality works as expected when there are special characters in the search term. 12. Check that the search functionality works as expected when the search term is a misspelling. 13. Check that the search functionality works as expected when the search term is a synonym. 14. Test the search functionality by searching for a term with special characters. 15. Test the search functionality by searching for a term with spaces in between. 16. Test the search functionality by searching for a term with uppercase letters. 17. Test the search functionality by searching for a term with lowercase letters. 18. Test the search functionality by searching for a term with a mix of upper and lower case letters. |
| **Search term** | 1. Enter a search term into the search box and check that the correct results are returned. 2. Try different search terms and check that the correct results are returned each time. |

**Here are some important test cases for the search functionality on Ecommerce websites:**

* Verify that the search bar is prominently displayed on the homepage.
* Enter a valid product name and ensure relevant results are displayed.
* Enter a query with multiple keywords and confirm accurate results.

**Test Case For Search Functionality**

1. Verify that the search results are relevant to the search query.
2. Test that the search results are displayed correctly on the page.
3. Test that the search results are sorted correctly.
4. Test that the search results are displayed correctly when no results are found.