

Test Case Document

Project: Digikala Test Strategy

Module: Search API (/v1/categories/<category>/search/)

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Test Case ID

TC_Search_001

Title

Valid search query returns products

Preconditions

- User has access to Digikala search
- Products exist for the given keyword

Test Data

- Query: گربه
- Page: 1

Steps

Feature: Product Search

Scenario: Searching with a valid keyword

Given the user wants to find products

When the user searches for "گربه"

Then the system should display a list of products

And each product should have a name, price, and availability

Expected Result

- Products list is displayed
- Product cards contain title, price, and stock status

Postconditions

- None
-

Test Case ID

TC_Search_002

Title

Empty search query handled gracefully

Preconditions

- User is on the search page

Test Data

- Query: ""

Steps

```
Feature: Product Search
  Scenario: Searching with no keyword
    Given the user is on the search page
    When the user submits an empty search
    Then the system should show either popular products or a message
        guiding the user to enter a search term
```

Expected Result

- System responds without error
- Message or default products shown

Postconditions

- None
-

Test Case ID

TC_Search_003

Title

Pagination shows different products on each page

Preconditions

- User has already performed a search
- Enough products exist for multiple pages

Test Data

- Query: گریه

Steps

```
Feature: Product Search
  Scenario: Viewing multiple pages of results
    Given the user has searched for "گریه"
    When the user views the first page of results
    And the user navigates to the second page
    Then the system should display a new set of products
    And no duplicate products should appear across pages
```

Expected Result

- Page 2 results are distinct from Page 1

Postconditions

- None

Test Case ID

TC_Search_004

Title

Search with invalid characters

Preconditions

- User is on the search page

Test Data

- Query: "%%%%"

Steps

```
Feature: Product Search
  Scenario: Searching with invalid symbols
    Given the user is on the search page
    When the user searches using "%%%%"
    Then the system should not crash
    And the system should show a friendly error or no results
```

Expected Result

- No products returned
- User sees a clear error or empty results page

Postconditions

- None
-

Test Case ID

TC_Search_005

Title

Very long search keyword

Preconditions

- User is on the search page

Test Data

- Query: 250-character string

Steps

```
Feature: Product Search
  Scenario: Searching with a very long keyword
    Given the user is on the search page
    When the user enters a very long search string
    Then the system should handle it gracefully
    And either show no results or an error message
```

expected Result

- System does not crash
- Response is handled gracefully

Postconditions

- None
-

Test Case ID

TC_Search_006

Title

Search with unsupported language/script

Preconditions

- User is on the search page

Test Data

- Query: "你好世界" (Chinese characters)

Steps

```
Feature: Product Search
  Scenario: Searching with unsupported language
    Given the user is on the search page
    When the user searches with characters in an unsupported language
    Then the system should not crash
    And the system should show no results or a proper message
```

Expected Result

- System gracefully responds with “No results”
- No crashes or malformed output

Postconditions

- None
-

Test Case ID

TC_Search_007

Title

SQL/Script injection attempt in search field

Preconditions

- User is on the search page

Test Data

- Query: "DROP TABLE users;"

Steps

Feature: Product Search

Scenario: Searching with malicious input

Given the user is on the search page

When the user enters "DROP TABLE users;"

Then the system should ignore harmful input

And the system should show no results or an error message

Expected Result

- System is safe from injection
- No backend errors or data exposure occur

Postconditions

- None
-

Test Case ID

TC_Search_008

Title

Leading/trailing spaces in keyword

Preconditions

- User is on the search page

Test Data

- Query: " اسکرچر گریه "

Steps

Feature: Product Search

Scenario: Searching with leading and trailing spaces

Given the user is on the search page

When the user searches with extra spaces around the keyword

Then the system should treat the keyword normally

And relevant results should be displayed

Expected Result

- Spaces are trimmed; results match the core keyword

Postconditions

- None
-

Test Case ID

TC_Search_009

Title

Mixed language query (English + Persian)

Preconditions

- User is on the search page

Test Data

- Query: "cat اسکرچر"

Steps

Feature: Product Search

Scenario: Searching with mixed languages

Given the user is on the search page

When the user searches with a mix of languages

Then the system should not break the search

And relevant results should still be shown when possible

Expected Result

- Graceful handling; returns any matching products

Postconditions

- None
-

Test Case ID

TC_Search_Edge_010

Title

Accents, diacritics, emoji in keyword

Preconditions

- User is on the search page

Test Data

- Query: "گرچه 🐱"

Steps

```
Feature: Product Search
  Scenario: Searching with diacritics and emoji
    Given the user is on the search page
    When the user searches using diacritics or emoji
    Then the system should not crash
    And the system should show results if any are relevant
```

Expected Result

- System ignores/normalizes extra marks; no crash

Postconditions

- None

