### **Note:**

Expected behavior of the example test cases below, should be the same for Anonymous and Logged in User. And also the Behavior should be the same if the user clicks on Enter button on Keyboard or on Search button next to the search bar.  
  
This is just a set example of tests, but there are a lot of other scenarios that can be covered, due to the limited time that i had i just provided some.

### **Positive Test Cases**

* **TC01: Search for a valid product** 
  + **Precondition**: User is on the homepage
  + **Steps**:
    - Navigate to the search bar.
    - Type a valid product name (e.g., "Dress") in the search bar.
    - Press the search button.
  + **Expected Result**: The search results page displays a list of products matching the search query "Dress."
* **TC02: Search for a valid product as a logged-in user – Search button click**
  + **Precondition**: User is logged in
  + **Steps**:
    - Navigate to the search bar.
    - Type a valid product name (e.g., "T-shirt") in the search bar.
    - Press the search button.
  + **Expected Result**: The search results page displays a list of products matching the search query "T-shirt."
* **TC03: Search with partial product name**
  + **Precondition**: User is on the homepage
  + **Steps**:
    - Navigate to the search bar.
    - Type a partial product name (e.g., "T-sh") in the search bar.
    - Press the search button.
  + **Expected Result**: The search results page displays a list of products that match the partial query "T-sh."

### **Negative Test Cases**

* **TC04: Search for a non-existent product**
  + **Precondition**: User is on the homepage
  + **Steps**:
    - Navigate to the search bar.
    - Type a non-existent product name (e.g., "XYZ1234") in the search bar.
    - Press the search button.
  + **Expected Result**: The search results page displays a "No results found for your search" message.
* **TC05: Search with special characters**
  + **Precondition**: User is on the homepage
  + **Steps**:
    - Navigate to the search bar.
    - Type special characters (e.g., "@#$%^") in the search bar.
    - Press the search button.
  + **Expected Result**: The search results page displays a "No results found for your search" message.
* **TC06: Search with an empty search query**
  + **Precondition**: User is on the homepage
  + **Steps**:
    - Navigate to the search bar.
    - Leave the search bar empty.
    - Press the search button.
  + **Expected Result**: The search results page displays an error message: “Please enter a search keyword

### **Edge Test Cases**

* **TC07: Search with leading/trailing spaces**
  + **Precondition**: User is on the homepage
  + **Steps**:
    - Navigate to the search bar.
    - Type a product name with leading/trailing spaces (e.g., " Dress ") in the search bar.
    - Press the search button.
  + **Expected Result**: The search results page strips spaces and returns results for "Dress."
* **TC08: Search with mixed casing in product name**
  + **Precondition**: User is on the homepage
  + **Steps**:
    - Navigate to the search bar.
    - Type a product name with mixed casing (e.g., "DrEsS") in the search bar.
    - Press the search button.
  + **Expected Result**: The search results return the same list of results for "Dress" regardless of case.
* **TC09: Search for a product on a different device**
  + **Precondition**: User is on the homepage
  + **Steps**:
    - Type a product name in the search bar on one device.
    - Press the search button.
    - Check results on another device.
  + **Expected Result**: The search results should be consistent across devices.
* **TC10: Search with a large product set (performance)**
  + **Precondition**: User is on the homepage
  + **Steps**:
    - Type a product name (e.g., "Dress") that returns a large set of results.
    - Press the search button.
  + **Expected Result**: The search results should load within an acceptable time (3-5 seconds) even with a large set of results.