**Simple Requirement**

**Requirement ID:** REQ-001

**Requirement Name:** Product Search and Display

**Description:** The system must allow users to search for products and view the results.

Here are some guiding questions to help you:

**Clarity**

* What does "search for products" mean? Is it a text-based search? What fields are searchable (e.g., product name, description, SKU)?
* What is the expected behavior of the search function? Is it a partial match, an exact match, or something else?
* How are the "results" displayed? What information is included for each product in the results list (e.g., name, price, image)?
* Is there any default search behavior? For example, what happens if the user searches for a product that doesn't exist?

**Completeness**

* What are the sorting options for the search results? Can the user sort by price, name, or relevance?
* Are there any filtering options? Can the user filter by category, brand, or price range?
* What is the maximum number of results to be displayed per page? Is there a pagination system?
* What happens if the search query is empty? Should it display all products or an error message?
* What is the behavior for handling special characters or numbers in the search query?

**Testability**

* How would you create a test case for a successful search? (Hint: You'll need to know the expected results for a given query.)
* How would you test for a search that returns no results?
* How would you test the sorting and filtering functionalities? You would need to check that the results are correctly ordered or filtered after applying the options.
* How would you test for edge cases, such as a very long search query or a query containing special characters?