**Test plan on Search module**

**Test plan identifier**: tp\_search\_2025\_v1

**Introduction**: Ensure that the Search functionality on the nopCommerce site works correctly and efficiently: valid keywords and filters return relevant products, while invalid or missing inputs display appropriate messages. The feature must support advanced search options and ensure usability.

**Test items**:

* Search box
* Keyword input
* Auto-suggest functionality
* Search button
* Advanced Search options
* Error messages
* UI elements

**Features to be tested:**

* Search with valid keywords
* Search with invalid/non-existent keywords
* Search with partial keywords
* Case insensitivity of search
* Auto-suggest functionality
* Advanced search with category, sub-category, manufacturer, price range, and description filter
* Error messaging for no results
* UI correctness and accessibility

**Features not to be tested**:

* Database performance of search queries.
* Backend indexing/search engine.

**Approach**: manual testing (black box testing (Functional testing)), Automation using Selenium, TestNg

**Item pass/fail criteria:**

* Pass: Relevant results displayed for valid searches; error messages displayed for invalid cases; advanced filters work as expected; UI elements functional and properly aligned.
* Fail: Unexpected behaviour (e.g., irrelevant results, missing error messages, UI misalignment, broken filters).

**Suspension criteria and resumption requirements:** NA

**Test deliverables:**

* Test cases Documents
* Test reports
* Test Plan
* Test Summary Report
* Test Bug Report
* Test Analysis Report

**Environmental needs:** windows 10/11pc, testlink, excel, browser chrome and firefox browser, stable network

**Responsibilities:** Vishal (prepare test cases and test analysis reports)

**Staffing and training needs:** Selenium WebDriver (testers names)

**Schedule:**1/9/2025

**Risks and contingencies:** no risk

**Approvals:** Vaishali sonanis