Regression Testing Strategy

**Project:** DemoBlaze Website **Module:** Product Filters **Prepared by:** Yomna **Date:** 08-08-2025

**Introduction**

This document outlines the regression testing strategy for the newly implemented *Product Filters* feature in the DemoBlaze website. The purpose is to ensure that the addition of filters does not negatively impact existing functionalities and that the filtering mechanism works as intended across all product and category pages.

**Impact Analysis**

The new feature introduces filtering by:

* Keyword/Name
* Brand
* Price Range

Affected Areas:

1. UI Layout & Placement of Filters
2. Product Listing Performance
3. Filtering Accuracy

**Regression Scope**

The scope includes functional and UI regression testing for:

* Global product listing page.
* Individual category product pages.
* Interaction between filters (single and multiple selection).
* Filter removal and reset states.
* Cross-browser compatibility (focus: Chrome 138, Windows 10).

**Test Data Requirements**

* At least 10 products with varying names, brands, and prices.
* Known product entries to validate filter accuracy.
* Categories containing mixed brands and price ranges.

**Automation Selection & Justification**

* Automated Cases:3, 4
* Reasoning:
  + Stable UI selectors for filters.
  + High-value regression checks.
  + Time-saving for repeated builds.
  + Covers critical and edge scenarios.

**Entry & Exit Criteria**

Entry:

* Product filters feature deployed to test environment.
* All relevant test data available.
* Functional smoke testing completed successfully.

Exit:

* All planned regression test cases executed.
* No high-severity defects remain open.
* Pass rate ≥ 95% for regression tests.