**Sprint 2: Product Discovery & Browsing Test Plan**

**1.0 Test Plan Identifier**

* **Unique ID:** SP-TP-2.0
* **Version:** 1.0

**2.0 Introduction / Objective**

This document details the test plan for Sprint 2, focusing on product discovery functionalities. The objective is to ensure that users can effectively and efficiently find products through searching, filtering, and browsing categories.

**3.0 Scope of Testing**

* **In-Scope:** Product search functionality, category browsing, filters by attributes (e.g., price, color), and sorting options.
* **Out-of-Scope:** Advanced search capabilities (natural language processing), product ratings and reviews, and promotional features.

**4.0 Test Strategy / Approach**

* **Manual Testing:** The QA team will conduct **functional, integration, and boundary testing** to validate the accuracy of search and filter logic.
* **Automation:** Automation scripts for all new features will be developed and added to the regression suite, which now includes the authentication tests from Sprint 1.
* **Testing Levels:** A combination of **Integration Testing** (for search/filter interactions) and **System Testing** will be performed.

**5.0 Test Deliverables**

* Test cases and test scenarios documented in Jira.
* **Automated scripts** for new search and filter functionalities.
* A sprint-end **QA summary report** detailing test coverage and defect status.

**6.0 Entry and Exit Criteria**

* **Entry Criteria:** User stories for the sprint are approved with clear acceptance criteria.
* **Exit Criteria:** All **P1 & P2** defects are resolved. The test case pass rate is a minimum of **95%**. The response time for typical search queries is below 2 seconds.

**7.0 Roles and Responsibilities**

* **QA Engineer:** Responsible for creating test cases, executing tests, and developing automation scripts.
* **Developer:** Responsible for fixing bugs and assisting in test data setup.
* **Product Owner:** Responsible for defining and prioritizing the backlog items.

**8.0 Defect Management**

* Defects will be logged, tracked, and managed in **Jira**.
* All test results and defect statuses will be updated in real-time.
* The **QA Lead** will review and assign all new defects.