Test Plan

Title: Fabrilife Website Test Plan

Version: 1.0

Date: 03.01.2025

Prepared by: Pratik Saha Roy

**1. Test Plan Identifier:**

TestPlan-Fabrilife-2025-001

This identifier uniquely distinguishes the test plan for Farbilife, with the number 001 indicating this is the first version for 2025.

**2. Introduction**

#### **Objective:** The objective of this test plan is to ensure the functionality, usability, performance, and security of the Fabrilife website meet the specified requirements and provide a seamless user experience. The website link: ( <https://fabrilife.com/> )

#### **Scope:** The scope includes testing the core features of the website such as product browsing, user registration, shopping cart functionality, payment integration, and responsiveness across devices.

#### **Goal:** The goal is to identify and resolve any bugs, inconsistencies, or usability issues before deployment to ensure a high-quality end-user experience.

#### **3. Test Items**

1. User registration/login
2. Product catalog
3. Search functionality
4. Shopping cart and checkout process
5. Payment gateway integration
6. Categories
7. Shop page functionalities
8. Contact forms
9. Responsiveness (mobile, tablet, desktop)

### **4. Features to Be Tested**

1. User authentication (registration, login, and password recovery)
2. Product search and filtering
3. Adding/removing products from the shopping cart
4. Applying discount codes and offers
5. Order placement and payment processing
6. Responsiveness on various devices and browsers
7. Security features such as HTTPS and data protection

### **5. Features Not to Be Tested**

* Third-party APIs (except for integration verification)
* Non-production database content
* Future/experimental features not yet implemented
* Browser versions that are outdated or not supported

### **6. Approach**

* **Manual Testing**: Functional and usability testing for the user interface.
* **Automation Testing**: Regression testing using tools like Selenium for repetitive tasks.
* **Performance Testing**: Using tools like JMeter to evaluate load handling.
* **Security Testing**: Verifying SSL certificates and simulating common vulnerabilities.
* **Cross-Browser Testing**: Testing on major browsers (Chrome, Firefox, Safari, Edge).

### **7. Items Pass/Fail Criteria**

* **Pass Criteria**: A test passes if the actual result matches the expected result without any deviation or errors.
* **Fail Criteria**: A test fails if there is a mismatch between the actual and expected outcomes or if the feature does not function as intended.

### **8. Suspension Criteria**

Testing will be suspended if:

* Major defects prevent further testing.
* Testing environment is unavailable or unstable.
* Critical third-party integrations are non-functional.

### **9. Test Deliverables**

* **Test Plan**
* **Test Cases**
* **Bug Reports**
* **User Guide**
* **Release Notes**

### 

### 

### **10. Testing Tasks**

* **Test Case Development**
* **Test Case Execution**
* **Summary Report**

### **11. Environment Needs**

* **Hardware**: Desktops, laptops, and mobile devices with varying configurations.
* **Software**: Browsers (Chrome, Firefox, Safari, Edge), testing tools (Selenium, JMeter), and defect tracking systems (e.g., JIRA).
* **Network**: Stable internet connection for performance and integration testing.
* **Test Data**: Pre-defined test accounts, product details, and dummy payment information.

### **12. Responsibilities**

* **Test Lead**: Oversees the testing process, allocates tasks, and prepares summary reports.
* **Testers**: Execute test cases, identify and log defects.
* **Developers**: Fix identified issues and support the testing team.
* **Project Manager**: Ensures that resources, timelines, and deliverables are met.

### **13. Training Needs**

* Training for the testing team on:
  + Familiarity with the website’s features and functionality.
  + Use of testing tools like Selenium, JMeter, or defect tracking systems.
  + Security testing practices (e.g., handling vulnerabilities).

### **14. Schedule**

* **Phase 1**: Test plan creation and approval
* **Phase 2**: Test case development
* **Phase 3**: Test execution
* **Phase 4**: Bug fixing and retesting
* **Phase 5**: Final test summary report and approval

### **15. Risks & Contingencies**

* **Risks**:
  + Unavailability of the testing environment.
  + Delays in bug fixing by the development team.
  + Insufficient resources for cross-browser or performance testing.
* **Contingencies**:
  + Use backup test environments.
  + Escalate issues promptly to project stakeholders.
  + Allocate additional testers or tools to meet deadlines.

### **16. Approvals**

* **Test Plan Approved by**: Mohoshi Haque
* **Date**: 03.01.2025