TEST PLAN DOCUMENT

FOR

DEMOBLAZE WEBSITE

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DEMOBLAZE PROJECT

### 1. Introduction

This document outlines the test plan for the Demoblaze Product Store, focusing on key functionalities, testing strategies, risk assessment, and deliverables to ensure quality and performance.

### 2. Test Strategy

#### 2.1 Test Types

* Functional Testing
* Usability Testing
* Performance Testing
* Security Testing
* Regression Testing

#### 2.2 Scope of Testing

##### 2.2.1 Features to Be Tested (In-Scope)

* User Registration and Login
* Product Catalog Browsing
* Add to Cart Functionality
* Checkout and Payment Process
* Navigation and UI Elements
* Contact Us Form

##### 2.2.2 Features Not to Be Tested

* API Integrations
* Backend Database Performance
* Third-Party Payment Gateways

#### 2.3 Risk and Issues

* Critical bugs blocking core functionality
* Unstable test environments
* Delays in feature delivery

#### 2.4 Test Logistics

##### 2.4.1 Who Will Test?

* Manual Testers: Kareem, Aya
* Automation Tester: Islam

##### 2.4.2 When Will Test Occur?

* After feature completion and integration
* During regression cycles

### 3. Test Objectives

* Ensure functionality works as intended
* Validate usability and performance
* Identify and report critical issues

### 4. Test Criteria

#### 4.1 Suspension Criteria

* Critical bugs are blocking main functionalities
* Test environment is down

#### 4.2 Exit Criteria

* All critical and high-priority bugs are fixed
* No major functional issues remain

### 5. Resource Planning

#### 5.1 System Resources

* OS: Windows 11
* Browser: Google Chrome - Latest Version
* Network: Wi-Fi

#### 5.2 Human Resources

* Manual Testers: Kareem, Aya
* Automation Tester: Islam

### 6. Test Environment

* Environment: Staging environments

### 7. Schedule & Estimation

#### 7.1 Task and Estimation

* User Registration and Login: 4 hours
* Cart and Checkout: 6 hours
* Navigation and UI: 2 hours
* Contact Us Form: 1 hour

#### 7.2 Completion Schedule

* Estimated project duration: 2 weeks

### 8. Test Deliverables

#### 8.1 Before Testing

* Test Plan Document
* Test Cases

#### 8.2 During Testing

* Test Execution Report
* Bug Reports

#### 8.3 After Testing

* Test Summary Report
* Lessons Learned

### 9. Test Ideas/Bullet Points

#### Functional Testing

* Verify user registration and login functionality
* Validate product browsing and navigation between categories
* Test adding products to the cart and viewing the cart
* Validate the checkout process, including payment and order confirmation
* Check contact form submission and validation

#### Usability Testing

* Ensure intuitive navigation across pages
* Validate UI consistency across different devices

#### Performance Testing

* Test loading time and responsiveness
* Check performance under high traffic

#### Security Testing

* Validate secure login and data encryption
* Check for SQL injection and XSS vulnerabilities

### 10. Prioritization

| Priority | Test Case | Business Impact |
| --- | --- | --- |
| High | Checkout and Payment Process | Revenue Loss |
| High | User Registration and Login | User Retention |
| Medium | Product Browsing and Adding to Cart | User Experience |
| Medium | Contact Form Validation | Customer Support |
| Low | UI and UX Consistency on Various Devices | Aesthetics |
| Low | Performance During High Traffic | User Satisfaction |

### 11. References

* User Stories
* UI Design Documents