

# Pet Store Test Plan

## 1. TEST PLAN IDENTIFIER

JPET-TP-01

JPET-TP-02

## 2. REFERENCES

Software Requirement Specification Document

Guidelines Document

## 3. INTRODUCTION

The purpose of this test plan is to define the testing approach. Jpetstore application, an online pet store where users can browse and purchase pets.

The testing will cover user interface, functional features, security, performance and compatibility. Verify that application meets all requirements.

The project estimated time is 6 months. We want to check the unit, system / integration and acceptance testing.

## 4. TEST ITEMS

- A. User management module, version 1.1
- B. Product Catalog Module, version 1.0
- C. Shopping cart System, version 2.0
- D. Checkout Process, initial version 1.0
- E. Order management system, version 1.2
- F. Search and filter, version 1.0
- G. Security features, version 1.5

## 5. SOFTWARE RISK ISSUE

- A. Third party Integration Risks – with external systems like payment gateway from third party vendors.
- B. Database Security and access control for user and admin details.
- C. Unexpected reload will occur to lose in checkout.

## 6. Features to be tested

- A. New user registration Process
- B. Product browsing and search functionality
- C. Shopping cart
- D. Payment and checkout
- E. Order

## **7. Features not to be tested**

- A. Non critical User document
- B. Browser compatibility for unsupported browsers
- C. Administrative functions
- D. External System dependencies
- E. Error state for non critical process

## **8. Approach**

Unit Testing: Components and function to perform expected.

Functional Testing: Test each feature as per the requirement specification.

Integration Testing: Test interactions between different modules.

Performance Testing: Load testing and stress testing to evaluate application performance.

Security Testing: Validate secure handling of user data and payment information.

Usability Testing: Ensure a user-friendly interface.

## **9. Item Pass/Fail Criteria**

Each test case should meet the expected result in the specification functions.

Tests are marked as “Pass” if the outcome meets. otherwise, they are marked as “Fail.”

## **10. Suspension Criteria and Resumption Requirements**

Testing will be suspended if any critical issue like restart, server crash, data loss. Once the issue is fixed the testing will resume.

## **11. Test Deliverables**

Test Plan Document

Test case Specification

Test Data

Test Execution report

Test Summary report

User Acceptance Testing

## **12. Remaining Test Tasks**

Specific test case for each feature

Prepare test data with development team

Perform test case based on the requirements

## **13. Environmental Needs**

Test environment with server with adequate hardware, os, web and database, client machines testing tools for automation, performance and security test.

## **14. Staffing and Training Needs**

Tester with skills in functional and automated testing, along with training on specific testing tools and methodologies to ensure effective test execution and coverage.

## **15. Responsibilities**

QA team: Design, execute and manage testing process, ensure that application meet quality standards

Manager: Maintain the test process and timeline of the project.

## **16. Schedule**

Test planning: 1 week

Test case development: 2 weeks

Test Execution: 3 weeks

Report and review: 1 week

Final Adjustment and Approval: 1 week

## **17. Planning Risks and Contingencies**

Risk: issue with test environment setup, certain feature not fully tested

Contingencies: Prioritize critical features, maintain backup tester.

## **18. Approvals**

Test Plan Approval: Manager

Approval Date:

## **19. Glossary**

DB: Database

UAT: User Acceptance Testing

QA: Quality Assurance

API: Application Programming Interface

UI: User Interface