**Pet Store Test Plan**

1. **TEST PLAN IDENTIFIER**

JPET-TP-01

JPET-TP-02

1. **REFERENCES**

Software Requirement Specification Document

Guidelines Document

1. **INTRODUCTION**

This test plan outlines the approach to testing the Jpetstore application, an online platform where users can browse and buy pets.

The testing will focus on the user interface, functionality, security, performance, and compatibility of the application. The goal is to ensure the application meets all the defined requirements.

The estimated project timeline is 6 months, covering unit testing, system/integration testing, and acceptance testing.

1. **TEST ITEMS**

User Management Module, version 1.1

Product Catalog Module, version 1.0

Shopping Cart System, version 2.0

Checkout Process, version 1.0

Order Management System, version 1.2

Search and Filter, version 1.0

Security Features, version 1.5

1. **SOFTWARE RISK ISSUES**

Potential risks related to integrating third-party systems, like payment gateways.

Database security and managing access control for both user and admin data.

Unexpected page reloads during checkout could result in data loss.

1. **FEATURES TO BE TESTED**

New User Registration

Product browsing and search functionality

Shopping Cart

Payment and Checkout

Order Processing

1. **FEATURES NOT TO BE TESTED**

Non-essential user documentation

Browser compatibility for unsupported browsers

Administrative functionalities

Dependencies on external systems

Non-critical processes in error states

1. **APPROACH**

Unit Testing: Ensuring each component and function performs as expected.

Functional Testing: Testing each feature according to the requirement specifications.

Integration Testing: Checking how different modules interact with each other.

Performance Testing: Running load and stress tests to evaluate system performance.

Security Testing: Ensuring secure handling of user and payment data.

Usability Testing: Making sure the interface is user-friendly.

1. **ITEM PASS/FAIL CRITERIA**

Each test case must meet the expected results as outlined in the requirement specifications. Tests will be marked as "Pass" if the outcome is correct; otherwise, they will be marked as "Fail."

1. **SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS**

Testing will be paused if any critical issues occur, such as a server crash, system restart, or data loss. Once these issues are resolved, testing will resume.

1. **TEST DELIVERABLES**

Test Plan Document

Test Case Specifications

Test Data

Test Execution Report

Test Summary Report

User Acceptance Testing Report

1. **REMAINING TEST TASKS**

Define specific test cases for each feature

Prepare test data in collaboration with the development team

Execute test cases based on the requirements

1. **ENVIRONMENTAL NEEDS**

The test environment will include a server with the necessary hardware, operating system, web server, and database, as well as client machines. Testing tools for automation, performance, and security will be required.

1. **STAFFING AND TRAINING NEEDS**

Testers with skills in functional and automated testing will be needed, along with training on the relevant testing tools and methods to ensure thorough test coverage.

1. **RESPONSIBILITIES**

QA Team: Responsible for designing, executing, and managing the testing process to ensure that the application meets quality standards.

Manager: Responsible for overseeing the testing process and ensuring the project stays on schedule.

1. **SCHEDULE**

Test Planning: 1 week

Test Case Development: 2 weeks

Test Execution: 3 weeks

Reporting and Review: 1 week

Final Adjustments and Approval: 1 week

1. **PLANNING RISKS AND CONTINGENCIES**

Risk: Issues with setting up the test environment or incomplete testing of certain features.

Contingency: Prioritize critical features and ensure backup testers are available.

1. **APPROVALS**

Test Plan Approval: Manager

Approval Date: TBD

1. **GLOSSARY**

DB: Database

UAT: User Acceptance Testing

QA: Quality Assurance

API: Application Programming Interface

UI: User Interface