**Test Plan for Pet store Application**

**1. Test Plan Identifier**

Test Plan ID:

PetStoreApp\_TP\_001

PetStoreApp\_TP\_002

**2. References**

* Software Requirement Specification Document
* Design Document
* Guidelines Document

**3. Introduction**

The purpose of this Test plan is to define testing strategies, resources, object, scope for the Pet store application. This application allows users to browse, purchase and manage pet related services. The goal is to ensure that the pet store application meets all functional, performance, and security requirements.

**4. Test Items**

a. Home Page Logo

b. User Login/Sign Up

c. Browse pets by category

d. Cart and Checkout Process

e. Orders Tracking

f. Account Management

**5. Software Risk Issues**

* Risk of security vulnerabilities in user authentication.
* Risk of data loss in case of server/database failure.
* Potential issues with cross-platform compatibility.

**6. Features to be Tested**

* User registration and login.
* Pet search and filtering functionality.
* Pet profile management (add, update, delete).
* Shopping cart functionality.
* Payment gateway integration.
* User profile and order history.

**7. Features Not to be Tested**

Third-party software does not directly affect core functionality.

Marketing/promotional features.

**8. Approach**

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 outlined in the specification.

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

**10. Suspension Criteria and Resumption Requirements**

Testing will be suspended if any critical issue (e.g., server crash or loss of data) arises.

Testing will resume once the issue is resolved, and system stability is restored.

**11. Test Deliverables**

Test Plan document.

Test Cases and Test Scripts.

Test Summary Report.

Bug Report for issues.

Final Test Report after completion.

**12. Remaining Test Tasks**

Define specific test cases for each feature.

Review test cases with development and business teams.

Perform tests according to test cases and document results.

**13. Environmental Needs**

Test environment with similar configurations as the production environment.

Network connectivity to simulate actual user access.

**14. Staffing and Training Needs**

QA Testers familiar with the application requirements.

Training for team members on testing tools and methodologies used in the project.

**15. Responsibilities**

Test Manager: Oversees the testing process and ensures the timeline is maintained.

QA Engineers: Execute the test cases and log defects.

Developers: Resolve defects identified in testing.

**16. Schedule**

Planning Phase: 1 week

Test Case Design and Development: 2 weeks

Execution: 3 weeks

Reporting: 1 week

**17. Planning Risks and Contingencies**

Risks: Delays in environment setup, unavailability of testers.

Contingencies: Use virtual test environments, assign backup testers if needed.

**18. Approvals**

Test Plan Approval: XXXX,Manager

Approval Date: xx-xx-xxxx

**19. Glossary**

QA: Quality Assurance

API: Application Programming Interface

UI: User Interface