Test Plan for JPetStore

**1. Test Plan Identifier**

Jpetstore\_testplan\_01

**2.References**

* JPetStore customer requirement document
* JPetStore User Manual
* JPetStore Functional Specification Document

**3.Introduction**

This test plan outlines the strategy and approach for testing the JPetStore application, which is an online shopping system for pet-related products. The goal is to ensure the application meets all functional and non-functional requirements. This testing phase is planned to start from 10 nov to 10 jan.

**4.Test Items**

* User Interface
* Shopping Cart
* Product Search
* User Registration and Login
* Checkout Process
* Payment Processing
* Order Confirmation

**5.Software Risk Issues**

* Data Security Risks: Sensitive user data may be exposed.
* Performance Risks: The system may not handle high traffic volumes effectively.
* Integration Risks: Potential issues when integrating with payment gateways.

**6.Features to be tested**

* User registration and authentication
* Product browsing and searching
* Shopping cart functionality
* Order processing and payment
* User account management
* Order history and tracking

**7.Features not to be tested**

* Backend administrative functionalities
* Third-party payment processor specific features (unless directly related to integration)

**8.Approach**

Testing will include:

* Manual testing for UI/UX validation
* Automated testing for regression and performance testing
* Load testing to assess performance under various conditions
* Security testing to identify vulnerabilities

**9.Item Pass/Fail criteria**

* All critical test cases must pass.
* No high-severity defects should be open at release time.
* All major functionalities should work as per specifications.

**10.Suspension Criteria and Resumption Requirements**

Testing will be suspended if:

* Critical defects are found.
* Resolution of critical defects and re-verification of affected functionalities.

**11. Test Deliverables**

* Test Plan Document
* Test Cases Document
* Test Summary Report
* Defect Report

**12. Remaining Test Tasks**

* Finalize test case documentation
* Execute test cases

**13. Environmental Needs**

* Test servers configured with necessary software
* Access to staging databases
* Testing tools

**14. Staffing and Training Needs**

* Testers familiar with web application testing
* Training on JPetStore functionality and testing tools

**15. Responsibilities**

* Test Manager: Oversee testing process
* Test Engineers: Execute test cases, report defects
* Developers: Fix reported issues

**16. Schedule**

* Test Planning: Start Date to End Date
* Test Case Development: Start Date to End Date
* Test Execution: Start Date to End Date
* Test Closure: Date

**17. Planning Risks and Contingencies**

* **Risk:** Delay in test case development
* **Contingency:** Allocate additional resources if necessary.
* **Risk:** High volume of defects found
* **Contingency:** Prioritize defects based on severity

**18. Approvals**

* Test Plan Approved by: Manager Name
* Date of Approval: Date of approvals

**19. Glossary**

* **UI:** User Interface
* **API:** Application Programming Interface
* **QA:** Quality Assurance
* **SRS:** Software Requirements Specification