**Test Plan for Pet Shop Application**

**1.Test Plan Identifier**

* Test Plan ID: PetShopApp\_TP\_001

**2.References**

* Requirements Document
* Design Document
* User manual
* Test Strategy Documents

**3.Introduction**

* The purpose of this test plan is to define the testing approach, scope, and objectives for the Pet Shop Application, ensuring all critical functionalities work as expected before release.

**4.Test Items**

* Home page Logo functionality
* User login and registration
* Pet catalog browsing
* Shopping cart
* Search

**5.Software Risk Issues**

* Payment gateway failures
* Incorrect inventory management
* Security vulnerabilities
* System crashes under high load

**6.Features to be Tested**

* User authentication
* Pet search and filtering
* Add to cart and checkout process
* Order history and tracking
* Admin functions (add/remove pets, manage orders)

**7.Features not to be Tested**

* Non-functional aspects like performance and load testing in this phase.
* Third-party payment gateway integrations.
* Cross-browser compatibility on niche, outdated browse
* Unused admin features

**8.Approach**

* Functional Testing: Verify each feature against the requirements.
* Regression Testing: Ensure new changes do not break existing functionalities.
* Manual Testing: For UI/UX and critical workflows.
* Automated Testing: For repetitive tasks like login and shopping cart functionality.

**9.Item Pass/Fail Criteria**

* Pass: The test case executes without any unexpected errors and meets the expected result.
* Fail: The test case does not meet the expected outcome or encounters critical bugs.

**10.Suspension Criteria and Resumption Requirements**

* Testing will be suspended if major bugs block further progress (e.g., payment system crashes).
* Testing will resume once the critical bugs are resolved and verified.

**11.Test Deliverables**

* Test cases document
* Test execution report
* Bug reports and logs
* Final test summary report

**12.Remaining Test Tasks**

* Completion of regression testing after fixes
* Final user acceptance testing (UAT)

**13.Environmental Needs**

* Test environment mimicking production (web browser, database, server)
* Est data (user accounts, pet inventory, orders)

**14.Staffing and Training Needs**

* QA Team: 2 testers (one for functional testing, one for regression testing)
* Training: Overview of the Pet Shop Application’s functionality and tools used (e.g., automation tools).

**15.Responsibilities**

* QA Team: Execute test cases, report bugs, provide test reports.
* Developers: Fix reported bugs.
* Project Manager: Ensure timelines are met and provide guidance.

**16.Shedule**

* Test plan Completion: October 20, 2024
* Test Case Creation: October 25, 2024
* Test Execution: November 5 - November 15, 2024
* UTA: November 17 - November 19, 2024
* Final Release: November 25, 2024

**17.Planning Risk and Contingencies**

* Risk: Delayed test environment setup
* High bugs discover rate; contingency involves extending the best schedule by 2-3 days.