1.Test plan Identifier

Jpetstore Test plan v1.0

2.Reference:

a.Project plan:Jpetstore Project plan

b.requirement Specification: Jpetstore Requirement Documents

c.High-level-Design Document:Jpetstore HLD

d.Detail design document

e.Use case Documents

3.Introduction:

This test plan outlines the testing strategy for the jpetstore application. The scope of the testing includes Functional testing, Performance Testing and security testing. Verify that the applications meet all functional requirements. The testing is planned to start from November 1, 2024, to December 1, 2024.

4.Test Items:

* User Registration
* Product search
* Shopping cart
* Add/remove item
* Checkout process
* Orders

5.Software risk issues

Complexity of the payment Processing module

Security vulnerabilities

UI complexity

6.Features to be tested

|  |  |
| --- | --- |
| Features | Priority |
| User Login/logout | High |
| Product search | High |
| Order placement | High |
| User profile | Medium |
| Admin functionalities | Low |

7.Features not to be tested:

Admin tool issues

Backend infrastructure issues

Internal Administrative reports

Network Security

8.Approach:

The overall Strategy will include types of testing

Functional testing: To verify all the features works as expected

Performance testing: Basic performance test

Security Testing: Identify the vulnerabilities

**Meetings**

The test team will meet once every two weeks to evaluate progress to date and to identify

error trends and problems as early as possible

9.Pass/Fail criteria:

The testcase will pass if it matches the expected outcome

A testcase will fail if it is found a defect report

10.Suspensions Criteria and Resumption Requirement:

Testing will be suspended if critical defects are identified that prevent further testing

Testing will resume once the defects are resolved and retested successfully

11.Test Deliverables:

Test plan documents

Test Execution report

Defects report

Test Summary

12.Remaining test task:

Finalization of testcase

Setup test environment

13.Environment needs:

Hardware: Test servers-Windows/Linux

Software-Testing tools

14.Staffing and training Needs:

Team member: Team lead -Responsible for overall testing

Test engineers-Execute testcases

15.Responsibilities:

Test Lead-Oversees the entire testing

Test Engineers-Execute the test case

QA Manager-Responsible for overall quality and implements QA process

Project Manager-Manage overall Project plan

16.Schedule:

Test Planning-1 nov-10 nov

Test Case development-11 nov-20 nov

Test execution-21 nov-29 nov

Test Closure- 1 dec

17.Planning risks and contingencies:

Resource availability

Risk-Team member may be unavailable during critical phase

Contingency-Identify and train backup resources

18.Approvals:

|  |  |
| --- | --- |
| Project sponsor |  |
| Team manager |  |
| QA Manager |  |

19.Glossary:

QA-Quality Assurance

UI-User Interface