**Test Plan Template for Pet Store Application**

**1)Test Plan Identifier:**

PetStoreApp-TP-004-v1.4

**2)References:**

srs\_petstore\_application.docx

Testcase\_petstore.docx

**3)Introduction:**

* This application is based on the customer requirement and convenience, This Pet store App feature application is used to make the online availability of Pet store for easy fetching for customer.
* It works under the platform of Windows 11, chrome browser.
* Main scope of this application is Functional Testing, Security Testing, Usability Testing, Compatibility Testing, Performance Testing.
* The testing period was planned from October 11, 2024, to December 11, 2024.
* Team Composition of developers, QA team, UI/UX Designers, Project Manager.

**4)Test items:**

Registration page

Login/Logout

Password Reset

Pet Catalog Management (Searching, Pet details page, Filters)

Shopping cart

Checkout Functionality

Order Management

**5)Software Risk Issues:**

Security Risks

Payment Gateway Risks

Checkout Process Issues

Accessibility Risks

**6)Features to be Tested:**

Registration Issues

Password Reset Issues

Search and Filtration Issues

Working on Sorting option Issue

Adding and Removing to Cart Issues

**7)Features not to be Tested:**

Back-End Infrastructure Issue

Admin Tool Issues

Voice Assistant or Chatbot AI Issues

**8)Approach:**

Create a Test Plan:

Functional Testing

Non-functional Testing

Usability Testing

Performance Testing

Security Testing

Prepare Test Cases:

Developing detailed test cases that specify the input conditions and should get expected output results.

Testing Tools:

Selenium, JMeter

Reporting and Documentation:

Documentation should include all the test results, including pass/fail statuses.

Maintaining a testing log.

**9)Item pass/Fail Criteria:**

Pass Criteria-Users can successfully register with valid credentials.

Fail Criteria- Registration failure with the credentials, displaying an error message.

**10)Suspension Criteria and Resumption Requirements:**

Suspension Criteria:

Inability to complete payment issues

Data Breaches like unauthorized access

Unable to complete the order successfully

Resumption Requirements:

Defect Resolution

Performance Optimization

Security Fixes

Compatible Environment

**11)Test Deliverables:**

Test Planning Document

Test Case Specification Document

Test Data Document

Defect Report Document

Test Execution Report

Test Summary Report

**12)Remaining Test Tasks:**

Final Test Case Review

Execution of Test Cases

Defect in Logging and Management

Regression Testing

User Acceptance Testing

**13)Environmental Needs:**

The application is compatible with Windows 11

Development Tools used are Visual Studio Code, Eclipse, React

Testing tools used are Selenium, JUnit

**14)Staffing and Training Needs:**

Staffing:

Developer Team

QA Team

UI/UX Designers

Project Manager

Training Needs:

Technical Training

Product Knowledge Training

Project Management Training

User Experience and Design Training

**15)Responsibilities:**

Developer Team: To manage user interface of the application and handle all the logical implementation in server side and Api development using programming languages.

QA Team: To manage all testing strategies and execute test cases by performing all manual and automated testing.

UI/UX Designers: Designing User Friendly interfaces and improving user experience.

**16)Schedule:**

Functional Testing: October 11- October 18

Security Testing: October 19-October 31

Usability Testing: November 1-November 20

Compatibility Testing: November 21- November 30

Performance Testing: December 1-December 11

**17)Planning Risks and Contingencies:**

Risk: Delayed Deliverables of product

Contingency: Developer alternative supplier relationships.

Risk: Team member unavailability.

Contingency: Train team members

Risk: Budget Over runs

Contingency: Make financial monitoring, keep a financial analyst

**18)Approvals:**

Requirements: Business Analyst, Product Owner, Technical Lead

Design: UI/UX Designer, Project Manager

Development: Technical Lead, Project Manager

Testing: QA Lead, Product Owner, Business Owner

**19)Glossary:**

Dashboard

Customer Profile

E-commerce

Search Functionality

Product Catalog

Live Chat Support

Checkout

Cart

Payment Gateway

Product Catalog

Shipping Options