### **Test Plan for Pet Store**

#### **1. Test Plan Identifier**

TP-OCTOPERF-PETSTORE-FULLFLOW-001

#### **2. References**

* OctoPerf PetStore Demo Application
* OctoPerf Documentation
* JMeter Test Plan Example

#### **3. Introduction**

This plan validates the complete customer journey on the OctoPerf PetStore—from registration and login to product search, cart addition, and successful order placement.

#### **4. Test Items**

* User Registration
* User Login
* Product Search
* Add to Cart
* Checkout and Order Confirmation

#### **5. Software Risk Issues**

* Validation issues during registration
* Session management errors during login
* Inaccurate search results
* Cart syncing problems under load
* Errors in checkout or missing confirmations

#### **6. Features to be Tested**

* Valid registration process
* Login with correct credentials
* Keyword-based product search
* Adding items to cart
* Checkout process completion
* Receiving order confirmation

#### **7. Features Not to be Tested**

* External payment gateway integrations
* Post-order email notifications
* Mobile responsiveness

#### **8. Approach**

* **Functional**: Manual validation of the end-to-end flow
* **Automation**: Selenium scripts for end-to-end scenario
* **Performance**: JMeter tests simulating user load

#### **9. Item Pass/Fail Criteria**

* **Pass**: All steps execute without error
* **Fail**: Major functional issues or interruptions

#### **10. Suspension Criteria and Resumption Requirements**

* **Suspend**: Major failure in core features (e.g., registration, login, checkout)
* **Resume**: Post-resolution confirmation from development team

#### **11. Test Deliverables**

* Test Plan
* Manual and automation test cases/scripts
* Test execution reports
* Defect and issue reports

#### **12. Remaining Test Tasks**

* Create test cases for all key workflows
* Prepare valid/invalid test data
* Finalize automation scripts

#### **13. Environmental Needs**

* **Hardware**: Desktop/laptop with internet
* **Software**: Chrome/Firefox, JMeter, Selenium WebDriver
* **Test Env**: Functional PetStore demo site access

#### **14. Staffing and Training Needs**

* 2 QA Engineers experienced in functional and performance testing
* Application overview training for testers

#### **15. Responsibilities**

* **Test Lead**: Oversee testing, coordinate with project team
* **QA Engineers**: Write and execute tests, log defects
* **Developers**: Resolve issues and communicate updates

#### **16. Schedule**

* **Planning**: Apr 29–30, 2025
* **Test Case Development**: May 01 –03, 2025
* **Execution**: May 4–8, 2025
* **Defect Fix & Retesting**: May 9–11, 2025
* **Closure**: May 12, 2025

#### **17. Planning Risks and Contingencies**

* **Risk**: Incomplete registration feature
  + **Mitigation**: Early developer coordination
* **Risk**: Automation failure due to dynamic elements
  + **Mitigation**: Use dynamic locators and waits

#### **18. Approvals**

* Test Lead
* Project Manager
* Client Representative

#### **19. Glossary**

* **Registration**: New user account creation
* **Login**: Access with credentials
* **Search**: Product lookup via keywords
* **Cart**: Storage for items to be purchased
* **Checkout**: Final purchase steps
* **QA**: Quality Assurance