# **Test Plan for JPetStore:**

1. **Test Plan Identifier**  
    Example: TP-OCTOPERF-PETSTORE-CATALOG-001
2. **References**
   1. OctoPerf PetStore Demo Application
   2. OctoPerf Documentation
3. **Introduction**  
    Validate catalog functionalities: browsing categories, viewing products, searching items, and adding to cart.
4. **Test Items**
   1. Category Listing
   2. Product Listing
   3. Product Detail Page
   4. Search Functionality
   5. Add to Cart Functionality
5. **Software Risk Issues**
   1. Broken category/product links
   2. Incorrect product details shown
   3. Search results not accurate
   4. Failure to add products to cart
6. **Features to be Tested**
   1. Display of categories
   2. Display of product lists under categories
   3. Product detail view
   4. Search bar functionality
   5. Adding product to cart
7. **Features Not to be Tested**
   1. User registration/login flows
   2. Payment or checkout processes
   3. Mobile device-specific UI
8. **Approach**
   1. Manual functional testing of catalog page features
   2. Automation using Selenium for search and cart addition
   3. (Optional) Load testing product browsing using JMeter
9. **Item Pass/Fail Criteria**
   1. **Pass**: Categories, products, and cart actions work without error.
   2. **Fail**: 404 errors, wrong product info, search failures, cart issues.
10. **Suspension Criteria and Resumption Requirements**
    1. **Suspend**: Site downtime or critical category/product data loss.
    2. **Resume**: After service and data restoration.
11. **Test Deliverables**
    1. Test Plan Document (this)
    2. Functional Test Cases
    3. Selenium Automation Scripts
    4. Defect Reports
12. **Remaining Test Tasks**
    1. Finalize test cases for browsing, search, and cart
    2. Prepare sample product names for search testing
13. **Environmental Needs**
    1. Chrome/Firefox latest versions
    2. Access to PetStore catalog page
14. **Staffing and Training Needs**
    1. 1–2 QA Engineers with web application testing experience
15. **Responsibilities**
    1. Test Lead: Plan, coordinate, review test activities
    2. QA Engineers: Execute tests, report issues
16. **Schedule**
    1. Test Planning: [Insert Dates]
    2. Test Case Development: [Insert Dates]
    3. Test Execution: [Insert Dates]
    4. Bug Reporting & Retesting: [Insert Dates]
17. **Planning Risks and Contingencies**
    1. Risk: Dynamic UI elements breaking automation.
    2. Risk: New category/product additions during testing.
    3. Mitigation: Update automation locators, sync with dev team.
18. **Approvals**
    1. Test Lead
    2. Project Manager
19. **Glossary**
    1. **Catalog**: Product listing grouped into categories
    2. **Product**: Individual sale item (e.g., Bulldog, Goldfish)
    3. **Cart**: Temporary product collection for checkout
    4. **Search**: Find products by keywords