**Test Plan for Pet Store Website**

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

**Test Plan ID**: PetStore\_TestPlan\_01

### **2. References**

* Application Under Test (AUT): [Pet Store Website](https://petstore.octoperf.com/)

### **3. Introduction**

This document outlines the testing strategy for the Pet Store web application. The goal is to validate that all critical features function as expected, ensuring a smooth and error-free user experience.

### **4. Test Items**

The following modules will be tested:

* User Registration & Login
* Product Search
* Cart Operations (Add/Remove items)
* Checkout and Order Placement

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

* User login may fail due to backend issues.
* Cart operations may not update correctly.
* System performance may degrade under high load.

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

* Account registration and login functionality
* Product listing and search
* Adding/removing items to/from the cart
* Order checkout and confirmation

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

* Integration with payment gateways (out of scope)
* Third-party advertisement banners

### **8. Test Approach**

* Perform **functional testing** for each core feature using manual test cases.
* Log bugs and retest after resolution.
* Use **positive and negative test scenarios** to verify edge cases.
* Ensure cross-browser compatibility (Chrome, Firefox, Edge).

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

* **Pass**: All steps in a test case execute successfully and meet expected results.
* **Fail**: Any deviation from expected behavior, UI issues, or application crashes.

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

* Testing will be **suspended** if critical modules (e.g., login, homepage) are non-functional.
* Testing will **resume** once those modules are fixed and verified by the development team.

### **11. Test Deliverables**

* Test Plan Document
* Test Cases Document
* Defect/Bug Reports
* Final Test Summary Report

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

* Design detailed test cases for each feature
* Execute all planned tests
* Report and track defects
* Retest after defect fixes
* Finalize test report

### **13. Environmental Needs**

* Operating System: Windows/Linux
* Browsers: Chrome, Firefox, Edge (latest versions)
* Internet connection
* Access to PetStore application test environment

### **14. Roles and Responsibilities**

| **Role** | **Responsibility** |
| --- | --- |
| QA Lead | Test strategy, task assignment, and review |
| Testers | Execute test cases, report bugs, retest |

### **15. Planning Risks and Contingencies**

| **Risk** | **Contingency Plan** |
| --- | --- |
| Website not ready for testing | Use staging or backup environment |
| Delayed bug fixes | Prioritize major functionalities for testing |
| Environment instability | Keep local backup and report issues immediately |

### **16. Glossary**

* **Test Case**: A set of actions to verify a specific feature
* **Bug/Defect**: An error in software causing unexpected behavior
* **QA**: Quality Assurance — ensuring the product meets quality standards
* **AUT**: Application Under Test