# UI Guidelines Analysis of PetStore Application

This document provides an analysis of how the PetStore application (https://petstore.octoperf.com/actions/Catalog.action) adheres to or violates the 10 User Interface Guidelines proposed by UX Design Institute.

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| UI Guideline | Observations |
| Visibility of System Status | Adherence: Immediate feedback when navigating between categories or adding items to cart. Violation: Lack of progress indicators on some actions like order processing. |
| Match Between System and the Real World | Adherence: Familiar terms like 'Cart' and 'Checkout'. Violation: Technical jargon (e.g., 'Catalog.action') in URLs. |
| User Control and Freedom | Adherence: Users can navigate freely and remove items from cart. Violation: No 'Undo' feature for actions like item removal. |
| Consistency and Standards | Adherence: Consistent layout and navigation. Violation: Inconsistent button styles and labels. |
| Error Prevention | Adherence: Prevents users from proceeding without required selections. Violation: Lack of input validation in forms. |
| Recognition Rather Than Recall | Adherence: Visible navigation menus and categories. Violation: Requires manual cart updates after quantity changes. |
| Flexibility and Efficiency of Use | Adherence: Quick add-to-cart and checkout options. Violation: No keyboard shortcuts or advanced search. |
| Aesthetic and Minimalist Design | Adherence: Clean interface with minimal distractions. Violation: Some pages are cluttered with dense information. |
| Help Users Recognize, Diagnose, and Recover from Errors | Adherence: Clear error messages on empty fields. Violation: Lack of specific guidance in error messages. |
| Help and Documentation | Adherence: Basic instructions for catalog and cart. Violation: Missing comprehensive help or FAQ section. |