# **Test Case Specification Document – JPetStore**

## **1. Test Case Specification Identifier**

* **Document ID:** TC-JPETSTORE-FLOW-001
* **Version:** 1.2
* **Version Date:** April 27, 2025

**Revision History:**

* **v1.0** – Initial Draft – April 25, 2025
* **v1.1** – Review Updates – April 27, 2025
* **v1.2** – Full Expansion and Renaming – April 27, 2025

## **2. Test Items**

* Home Page
* Catalog Browsing
* Product Search
* Product Details
* Shopping Cart
* Sign In / Sign Out
* Checkout Process
* Order Confirmation

## **3. Input Specifications**

* **Application URL:** <https://petstore.octoperf.com/actions/Catalog.action>
* **Valid Inputs:**
  + Registered username/password
  + Search keywords: "Fish", "Dog", "Bird", etc.
  + Dummy shipping and billing information

## **4. Output Specifications**

|  |  |
| --- | --- |
| **Output Component** | **Expected Result** |
| Page Navigation | Pages load successfully and quickly |
| Product Search | Accurate product results displayed |
| Cart Functionality | Products added/removed/updated as expected |
| Login/Logout | Valid credentials log in; invalid inputs show error |
| Checkout Process | Leads to confirmation page with summary and order ID |

## **5. Environmental Needs**

|  |  |
| --- | --- |
| **Environment Element** | **Requirements** |
| Web Browser | Chrome, Firefox, Edge (latest versions) |
| OS | Windows 10+, macOS Monterey+, Ubuntu 20.04+ |
| Network | Stable connection, 10 Mbps minimum |
| Tools (optional) | Selenium WebDriver (Automation), JMeter (Load Testing) |

## **6. Test Cases**

### **TC01 – Verify Home Page Loads Successfully**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC01 |
| Objective | Validate that the home page loads correctly |
| Preconditions | Browser is open |
| Test Steps | 1. Open browser2. Enter URL3. Press Enter |
| Expected Result | Page displays: "Welcome to JPetStore 6" |

### **TC02 – Verify "Enter the Store" Link**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC02 |
| Objective | Confirm navigation to catalog page via store link |
| Preconditions | Home page is loaded |
| Test Steps | Click on "Enter the Store" |
| Expected Result | Catalog page with product categories is displayed |

### **TC03 – Verify Product Category Navigation**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC03 |
| Objective | Validate navigation to a category like "Dogs" |
| Preconditions | Catalog page open |
| Test Steps | Click on "Dogs" category |
| Expected Result | List of dog-related products appears |

### **TC04 – Verify Search Functionality**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC04 |
| Objective | Validate product search by keyword |
| Preconditions | Catalog page open |
| Test Steps | Enter "Goldfish" in search box → Click "Search" |
| Expected Result | Goldfish-related products are listed |

### **TC05 – Verify Adding Product to Cart**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC05 |
| Objective | Ensure product can be added to cart |
| Preconditions | Product page open |
| Test Steps | 1. Select a product2. Click "Add to Cart" |
| Expected Result | Product is added and cart total is updated |

### **TC06 – Verify Cart Update (Remove Product)**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC06 |
| Objective | Verify user can remove items from cart |
| Preconditions | Product is in cart |
| Test Steps | Go to cart → Click "Remove" or set quantity to 0 |
| Expected Result | Item is removed and cart is refreshed |

### **TC07 – Verify Login (Valid Credentials)**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC07 |
| Objective | Validate successful login |
| Preconditions | Registered user exists |
| Test Steps | Go to Sign In → Enter valid credentials → Click Login |
| Expected Result | User is logged in and redirected to dashboard |

### **TC08 – Verify Login (Invalid Credentials)**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC08 |
| Objective | Show error message for incorrect login |
| Preconditions | Sign In page open |
| Test Steps | Enter invalid credentials → Click Login |
| Expected Result | Error: "Invalid username or password" |

### **TC09 – Verify Checkout Process**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC09 |
| Objective | Ensure complete checkout flow |
| Preconditions | Logged in with at least one item in cart |
| Test Steps | 1. Proceed to Checkout2. Enter address3. Confirm |
| Expected Result | Order confirmation page with summary and order ID |

### **TC10 – Verify Logout Functionality**

|  |  |
| --- | --- |
| **Field** | **Detail** |
| Test Case ID | TC10 |
| Objective | Ensure logout terminates session properly |
| Preconditions | User is logged in |
| Test Steps | Click "Sign Out" |
| Expected Result | Redirected to Home Page; session is ended |

## **7. Pass/Fail Criteria**

* **Pass:** Application behavior matches expected result.
* **Fail:** Behavior deviates from expected output or error occurs.