## **Test Case Specification Document for JPetStore**

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

* **Document ID**: TC-JPETSTORE-FLOW-001
* **Version**: 1.2
* **Version Date**: 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**

* **URL**: <https://petstore.octoperf.com/actions/Catalog.action>
* **Valid User Credentials**
* **Dummy Address Details for Checkout**

### **4. Output Specifications**

* **Page Navigation Success**
* **Correct Search Results**
* **Correct Cart Updates**
* **Successful Login/Logout**
* **Successful Checkout Process**

### **5. Environmental Needs**

* **Web Browsers**: Chrome, Firefox, Edge (latest versions)
* **Stable Internet Connection**

### **6. Test Cases**

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

* **Test Case ID**: TC01
* **Objective**: Verify that the home page loads properly.
* **Preconditions**: Browser is open.
* **Test Steps**:
  + Enter the URL: <https://petstore.octoperf.com/actions/Catalog.action>
  + Press Enter.
* **Expected Result**: Homepage loads and displays "Welcome to JPetStore 6".
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Ensure that the home page loads within a reasonable time frame (under 2 seconds).

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

* **Test Case ID**: TC02
* **Objective**: Verify that clicking the "Enter the Store" link navigates to the catalog page.
* **Preconditions**: Home page is open.
* **Test Steps**:
  + Click on the "Enter the Store" link.
* **Expected Result**: User is navigated to the catalog page showing animal categories (e.g., Fish, Dogs, Cats).
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Ensure all links work correctly.

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

* **Test Case ID**: TC03
* **Objective**: Verify that clicking a category (e.g., Fish, Dogs) shows correct products.
* **Preconditions**: Catalog page is open.
* **Test Steps**:
  + Click on the "Dogs" category.
* **Expected Result**: List of Dog-related products is shown.
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Test for other categories (e.g., Fish, Cats) to ensure similar functionality.

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

* **Test Case ID**: TC04
* **Objective**: Verify that searching for a product displays correct results.
* **Preconditions**: Catalog page is open.
* **Test Steps**:
  + Enter "Goldfish" into the search box.
  + Click "Search".
* **Expected Result**: Goldfish-related products appear in the search results.
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Ensure that the search function retrieves all relevant products.

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

* **Test Case ID**: TC05
* **Objective**: Verify adding a product to the shopping cart.
* **Preconditions**: Product detail page is open.
* **Test Steps**:
  + Select a product (e.g., Bulldog).
  + Click "Add to Cart".
* **Expected Result**: Product is added to the shopping cart with the correct price.
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Verify cart count and total amount.

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

* **Test Case ID**: TC06
* **Objective**: Verify that a user can remove a product from the cart.
* **Preconditions**: Product is in the shopping cart.
* **Test Steps**:
  + Go to the cart.
  + Click "Remove" or update the quantity to 0.
* **Expected Result**: Product is removed from the cart, and the cart is updated.
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Ensure cart updates immediately after the removal.

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

* **Test Case ID**: TC07
* **Objective**: Verify user login with valid credentials.
* **Preconditions**: User is already registered.
* **Test Steps**:
  + Click "Sign In".
  + Enter username and password.
  + Click "Login".
* **Expected Result**: User logs in and is redirected to the dashboard.
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Ensure credentials are correctly handled.

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

* **Test Case ID**: TC08
* **Objective**: Verify error message on login with invalid credentials.
* **Preconditions**: Sign In page is open.
* **Test Steps**:
  + Enter invalid credentials.
  + Click "Login".
* **Expected Result**: Error message: "Invalid username or password" is shown.
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Ensure that incorrect login attempts are handled gracefully.

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

* **Test Case ID**: TC09
* **Objective**: Verify successful checkout.
* **Preconditions**: User is logged in, and the cart contains at least one product.
* **Test Steps**:
  + Click "Proceed to Checkout".
  + Enter address and payment information.
  + Confirm the order.
* **Expected Result**: Order confirmation page is displayed with order summary.
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Verify that all address and payment details are saved correctly.

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

* **Test Case ID**: TC10
* **Objective**: Verify that the logout functionality works properly.
* **Preconditions**: User is logged in.
* **Test Steps**:
  + Click "Sign Out".
* **Expected Result**: User session ends, and the user is redirected to the home page.
* **Actual Result**: [To be filled during execution]
* **Status**: Pass/Fail
* **Comments**: Verify that the user is logged out successfully.

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

* **Pass**: If the actual result matches the expected result.
* **Fail**: If the application behaves differently or an error occurs.

### **Test Data Requirements**

* **Valid User Credentials**: Username and password for an already registered user.
* **Dummy Address Information**: Sample address details for the checkout process (e.g., street address, city, postal code).
* **Dummy Payment Information**: Fake credit card details for checkout (if needed for testing).