**Test Case Specification 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 browser: Chrome, Firefox, Edge (latest versions)
* Stable Internet connection

# 6. Test Cases

## TC01 – Verify Home Page Loads Successfully

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC01 |
| Objective | Verify that the home page loads properly |
| Preconditions | Browser is open |
| Test Steps | 1. Enter URL  2. Press Enter |
| Expected Result | Homepage loads and displays "Welcome to JPetStore 6" |

## TC02 – Verify "Enter the Store" Link

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC02 |
| Objective | Verify that clicking "Enter the Store" navigates to catalog page |
| Preconditions | Homepage is open |
| Test Steps | 1. Click on "Enter the Store" |
| Expected Result | Catalog page with product categories is displayed |

## TC03 – Verify Product Category Navigation

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC03 |
| Objective | Verify that clicking a category (e.g., Fish, Dogs) shows correct products |
| Preconditions | Catalog page is open |
| Test Steps | 1. Click on "Dogs" category |
| Expected Result | List of Dog-related products is shown |

## TC04 – Verify Search Functionality

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC04 |
| Objective | Verify that searching for a product displays correct results |
| Preconditions | Catalog page is open |
| Test Steps | 1. Enter "Goldfish" into search box 2. Click "Search" |
| Expected Result | Goldfish-related products appear in the results |

## TC05 – Verify Adding Product to Cart

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC05 |
| Objective | Verify adding a product to the shopping cart |
| Preconditions | Catalog/Product page open |
| Test Steps | 1. Select a product 2. Click "Add to Cart" |
| Expected Result | Product is added to the shopping cart with correct price |

## TC06 – Verify Cart Update (Remove Product)

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC06 |
| Objective | Verify that user can remove product from cart |
| Preconditions | Product is in shopping cart |
| Test Steps | 1. Go to cart 2. Click "Remove" or update quantity to 0 |
| Expected Result | Product is removed from cart and cart is updated |

## TC07 – Verify User Login (Valid Credentials)

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC07 |
| Objective | Verify user can login with valid credentials |
| Preconditions | User already registered |
| Test Steps | 1. Click "Sign In" 2. Enter username and password 3. Click Login |
| Expected Result | User logged in and redirected to dashboard |

## TC08 – Verify Login (Invalid Credentials)

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC08 |
| Objective | Verify error message on login with invalid credentials |
| Preconditions | Sign In page open |
| Test Steps | 1. Enter invalid credentials 2. Click Login |
| Expected Result | Error message: "Invalid username or password" shown |

## TC09 – Verify Checkout Process

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC09 |
| Objective | Verify successful checkout |
| Preconditions | User logged in and cart has product(s) |
| Test Steps | 1. Click "Proceed to Checkout" 2. Enter address/payment info 3. Confirm order |
| Expected Result | Order confirmation page displayed with order summary |

## TC10 – Verify Logout Functionality

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC10 |
| Objective | Verify that logout works properly |
| Preconditions | User logged in |
| Test Steps | 1. Click "Sign Out" |
| Expected Result | User session ends and redirected to Home Page |

# 7. Pass/Fail Criteria

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

**Example of Individual Test Cases**

## Test Case 1: Verify Home Page Loads Successfully

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC-JPS-001 |
| Title | Verify Home Page Loads Successfully |
| Related Requirement | Home page should load in under 2 seconds |
| Preconditions | Browser must be open |
| Test Data | URL: <https://petstore.octoperf.com/actions/Catalog.action> |
| Test Steps | <ol><li>Open browser</li><li>Enter URL in address bar</li><li>Press Enter</li></ol> |
| Expected Result | The homepage should load with the message "Welcome to JPetStore 6". |
| Actual Result | *[To be filled during execution]* |
| Status | *Pass/Fail* |
| Comments | - |

## Test Case 2: Verify Navigation to Catalog via "Enter the Store"

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC-JPS-002 |
| Title | Verify "Enter the Store" button |
| Related Requirement | User should enter catalog page |
| Preconditions | Home page is loaded |
| Test Data | N/A |
| Test Steps | <ol><li>Click "Enter the Store" button</li></ol> |
| Expected Result | User is navigated to catalog page showing animal categories like Fish, Dogs, Cats, etc. |
| Actual Result | *[To be filled during execution]* |
| Status | *Pass/Fail* |
| Comments | - |

## Test Case 3: Verify Product Search Functionality

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC-JPS-003 |
| Title | Verify Search for "Fish" Products |
| Related Requirement | Search box should retrieve matching products |
| Preconditions | Catalog page open |
| Test Data | Search term: "Fish" |
| Test Steps | <ol><li>Locate Search Box</li><li>Enter "Fish"</li><li>Click "Search" button</li></ol> |
| Expected Result | List of Fish-related products (e.g., Goldfish) should be displayed. |
| Actual Result | *[To be filled during execution]* |
| Status | *Pass/Fail* |
| Comments | - |

## Test Case 4: Verify Add to Cart

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC-JPS-004 |
| Title | Verify Adding a Product to Shopping Cart |
| Related Requirement | Products should be added to cart properly |
| Preconditions | Product detail page open |
| Test Data | Product: Bulldog |
| Test Steps | <ol><li>Select "Dogs" category</li><li>Choose "Bulldog"</li><li>Click "Add to Cart"</li></ol> |
| Expected Result | "Bulldog" product is added to cart, cart shows updated total. |
| Actual Result | *[To be filled during execution]* |
| Status | *Pass/Fail* |
| Comments | Verify cart count and amount |

## Test Case 5: Verify Successful Checkout

|  |  |
| --- | --- |
| Field | Details |
| Test Case ID | TC-JPS-005 |
| Title | Verify Successful Checkout |
| Related Requirement | System should complete checkout process without error |
| Preconditions | User logged in, cart has at least one product |
| Test Data | Dummy address, dummy payment method |
| Test Steps | <ol><li>Go to Cart</li><li>Click "Proceed to Checkout"</li><li>Fill in Address Details</li><li>Confirm Order</li></ol> |
| Expected Result | Order Confirmation page is displayed with Order Number. |
| Actual Result | *[To be filled during execution]* |
| Status | *Pass/Fail* |
| Comments | Verify Order ID is generated |