**Test Case Specification Document**

**Application**:

**https://petstore.octoperf.com/actions/Catalog.action**

**1. Test Case Specification Identifier**

**TCS-PS-2025-002**

Full Test Case Suite for Petstore – Catalog and Related Functionalities

### **2. Test Items**

* Registration and Login features
* Search functionality
* Navigation between categories
* Product details
* Cart management
* Checkout and Order
* Session and logout behavior
* Responsive layout
* Wishlist feature
* Recently viewed products tracking

**Input Specifications**

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Input Description** | **Example Input Data** |
| TC-REG-001 | User registration info | Name, password, email, phone |
| TC-LOGIN-002 | User credentials | Username, password |
| TC-SEARCH-003 | Search query | "fish", "dog", "cat" |
| TC-ADD-004 | Product selection | Bulldog, Angelfish |
| TC-CHECKOUT-005 | Shipping and contact info | Name, address, city, phone |
| TC-CATNAV-006 | Product category selection | "Cats", "Reptiles" |
| TC-DETAILS-007 | Click on product for details | Bulldog, Persian Cat |
| TC-CARTVIEW-008 | View cart contents | After 1 or more items added |
| TC-LOGOUT-009 | Logout request | From user menu/logout button |
| TC-RESPONSIVE-010 | Resizing window/device viewport | Desktop, tablet, mobile view |
| TC-WISHLIST-011 | Add item to wishlist | Click wishlist icon on item |

### **Output specifications**

|  |  |  |
| --- | --- | --- |
| **Testcase ID** | **Expected Output** | **Postcondition** |
| TC-REG-001 | Account created and redirected | User stored in DB, login available |
| TC-LOGIN-002 | Successful login | Session started |
| TC-SEARCH-003 | Matching results shown | Search context maintained |
| TC-ADD-004 | Item added to cart | Cart updated |
| TC-CHECKOUT-005 | Confirmation page with summary | Order saved, cart emptied |
| TC-CATNAV-006 | Relevant category items displayed | Page reflects selected category |
| TC-DETAILS-007 | Product description and price visible | Add-to-cart accessible |
| TC-CARTVIEW-008 | Items displayed with price and count | Checkout link enabled |
| TC-LOGOUT-009 | Redirected, session cleared | User is logged out |
| TC-RESPONSIVE-010 | UI adapts to viewport size | No UI breakage, content visible |
| TC-WISHLIST-011 | Product marked as favorite | Item added to wishlist |

### **5. Environmental Needs**

* **Devices**: Desktop, Laptop, Mobile
* **OS**: Windows, macOS, iOS, Android
* **Browsers**: Chrome, Firefox, Safari, Edge
* **Tools**: BrowserStack, DevTools, TestRail, Jira
* **Test Environment**: Staging Petstore app with dummy data

### **6. Special Procedural Requirements**

* Reset data after each registration and checkout test
* Perform login with valid and invalid credentials
* Responsive layout testing on three screen sizes
* Capture screenshots for UI/UX and failed tests
* Ensure catalog pages load in under 2 seconds

### **7. Inter-case Dependencies**

* TC-LOGIN-002 depends on TC-REG-001
* TC-ADD-004, TC-CHECKOUT-005, TC-CARTVIEW-008 require login
* TC-DETAILS-007 depends on TC-CATNAV-006 or TC-SEARCH-003

### **Individual Test Cases**

**TC-REG-001 – User Registration**

**Objective**: Ensure new users can register

**Steps**:

1. Go to registration page
2. Enter name, email, phone, password
3. Submit form **Expected Result**: Account created and redirected **Postcondition**: User data saved

**TC-LOGIN-002 – User Login**

**Objective**: Verify login process

**Steps**:

1. Visit login page
2. Enter valid credentials
3. Click login **Expected Result**: Redirected to catalog **Postcondition**: Session created

**TC-SEARCH-003 – Product Search**

**Objective**: Validate search bar

**Steps**:

1. Enter keyword
2. Submit search **Expected Result**: Matching items shown **Postcondition**: Search results ready

**TC-ADD-004 – Add to Cart**

**Objective**: Add items to cart

**Steps**:

1. View product
2. Click “Add to Cart” **Expected Result**: Item added **Postcondition**: Cart updated

**TC-CHECKOUT-005 – Order Confirmation**

**Objective**: Complete an order

**Steps**:

1. Go to cart
2. Click checkout
3. Enter shipping info
4. Submit order **Expected Result**: Order confirmed **Postcondition**: Order saved, cart cleared

**TC-CATNAV-006 – Category Navigation**

**Objective**: Browse by categories

**Steps**:

1. Click category name

2 . View category items **Expected Result**: Category items listed **Postcondition**: Filter applied

**TC-DETAILS-007 – Product Details Page**

**Objective**: View product info

**Steps**:

1. Click product from catalog
2. Check description and image **Expected Result**: Product info shown **Postcondition**: Option to add to cart

**TC-CARTVIEW-008 – View Cart**

**Objective**: View cart contents

**Steps**:

1. Add item(s)
2. Open cart view **Expected Result**: Items listed with totals **Postcondition**: Ready for checkout

**TC-LOGOUT-009 – User Logout**

**Objective**: End session

**Steps**:

1. Click logout **Expected Result**: Redirected to homepage **Postcondition**: Session terminated

**TC-RESPONSIVE-010 – Responsive Layout**

**Objective**: Check mobile readiness

**Steps**:

1. Resize window or use mobile device
2. Navigate app **Expected Result**: UI adjusts **Postcondition**: UX intact

**TC-WISHLIST-011 – Wishlist Feature**

**Objective**: Add item to wishlist

**Steps**:

1. View product
2. Click wishlist icon **Expected Result**: Added to wishlist **Postcondition**: Stored for later