# **Test Case Specification Document**

**Application:** [Petstore Catalog](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

## **3. 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 | View on desktop, tablet, mobile |

## **4. Output Specifications**

|  |  |  |
| --- | --- | --- |
| **Test Case ID** | **Expected Output** | **Postcondition** |
| TC-REG-001 | Account created, redirected to login or welcome page | User stored in DB, login ready |
| TC-LOGIN-002 | Successful login, redirected to catalog | Session started |
| TC-SEARCH-003 | Matching products shown | Can click on result |
| TC-ADD-004 | Product added to cart | Cart updated |
| TC-CHECKOUT-005 | Confirmation page shown with order summary | Order saved, cart emptied |
| TC-CATNAV-006 | Products for selected category are displayed | Page reflects correct selection |
| TC-DETAILS-007 | Detailed view of product shown | Product image, price, description visible |
| TC-CARTVIEW-008 | Cart shows all selected items with correct quantity and prices | Checkout accessible |
| TC-LOGOUT-009 | Redirected to login/homepage, session cleared | User is logged out |
| TC-RESPONSIVE-010 | Layout adjusts for each screen size | Content fits appropriately |

## **5. Environmental Needs**

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

## **6. Special Procedural Requirements**

* Reset test data after each registration and checkout test
* Perform login tests with both valid and invalid credentials
* For responsive testing, test with at least three resolutions (Desktop, Tablet, Mobile)
* Take screenshots for UI/UX tests and failed functional tests
* Time response for catalog page load must be under 2 seconds

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

* **TC-LOGIN-002** depends on **TC-REG-001**
* **TC-ADD-004**, **TC-CHECKOUT-005**, and **TC-CARTVIEW-008** require user to be logged in
* **TC-DETAILS-007** relies on successful product display from **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 valid name, email, phone, password
3. Submit form

**Expected Result**: Account created, redirected to login  
 **Postconditions**: Account saved

### **TC-LOGIN-002 – User Login**

**Objective**: Verify login process  
 **Steps**:

1. Go to login page
2. Enter registered credentials
3. Click login

**Expected Result**: Redirected to catalog  
 **Postconditions**: Session created

### **TC-SEARCH-003 – Product Search**

**Objective**: Validate search bar  
 **Steps**:

1. Enter product keyword
2. Submit search

**Expected Result**: Matching products shown  
 **Postconditions**: Search context maintained

### **TC-ADD-004 – Add to Cart**

**Objective**: Add items to cart  
 **Steps**:

1. View product
2. Click “Add to Cart”
3. **Expected Result**: Item added, cart updated  
    **Postconditions**: Item in cart

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

**Objective**: Complete order  
 **Steps**:

1. Go to cart
2. Click checkout
3. Enter details
4. Submit order

**Expected Result**: Confirmation page  
 **Postconditions**: Order saved, cart cleared

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

**Objective**: Browse via categories  
 **Steps**:

1. Click category (e.g., Cats)
2. View items

**Expected Result**: Category page loads  
 **Postconditions**: Product list filtered

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

**Objective**: View product info

**Steps**:

1. Click a product from catalog/search
2. Check description, image

**Expected Result**: Full product info shown  
 **Postconditions**: User can go back or add to cart

### **TC-CARTVIEW-008 – View Cart**

**Objective**: See what’s in the cart  
 **Steps**:

1. Add item(s)
2. Click cart icon

**Expected Result**: All items listed with price, quantity  
 **Postconditions**: Ready for checkout

### **TC-LOGOUT-009 – User Logout**

**Objective**: End session  
 **Steps**:

1. Click logout from header/user menu

**Expected Result**: Logged out, redirected  
 **Postconditions**: Session cleared

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

**Objective**: Ensure mobile-friendliness  
 **Steps**:

1. Resize browser window or test on mobile
2. Navigate across pages

**Expected Result**: Layout adjusts smoothly  
 **Postconditions**: Mobile experience intact