Quality Assurance Test Plan Assignment

Exercise #1: Find Defects

Requirement ID	Requirement Name	Scenario ID	Scenario Description
R001	Search Pet on Jpetstore	TS_001	User Registration
		TS_002	Check Login Functionality
		TS_003	Search For Pets
		TS_004	Add To Cart

Exercise #1: Find Defects

Test Scenario ID: TS_001

Scenario Description: User Registration/Sign Up

Test Case ID: TC_001

Test Name: Registration Page for New User

Description: This test case ensures that a new/non-registered user can reach the registration page through the main user interface.

Pre-Condition: The website/url provided
"https://petstore.octoperf.com/actions/Catalog.action" should be accessible and functional.

Assumptions: The user has an internet connection and is using a compatible web browser with cookies and JavaScript enabled.

Test Steps	Expected Results	Actual Results
1. Launch the web browser and enter the URL https://petstore.octoperf.com/actions/Catalog.action	The JP PetStore homepage should be displayed without errors.	As expected
2. Click on the 'Sign In' link/button.	The 'Sign In' page should have a 'Register Now!' link/button that is visible and clickable.	As expected
3. Click on the 'Register Now!' link/button.	Clicking on 'Register Now!' should navigate the user to the registration page where the user can fill in their details.	As expected

Priority: High (since user registration is typically a critical pathway for new users on any e-commerce platform)

Video Walkthrough:

TC_001 - User Registration - Watch Video

Link: https://www.loom.com/share/b788fe1c1b9a40068e98b63d9466404d?sid=33c3d6b5-bdcc-4642-929a-d49487b1bda9

Test Case ID: TC_002

Test Name: Register New User

Description: This test case verifies and ensures that a new/non registered user can successfully register/open an account by entering required information and can navigate to the menu page post registration.

Pre-Condition: The website/url provided "https://petstore.octoperf.com/actions/Catalog.action" should be accessible and functional.
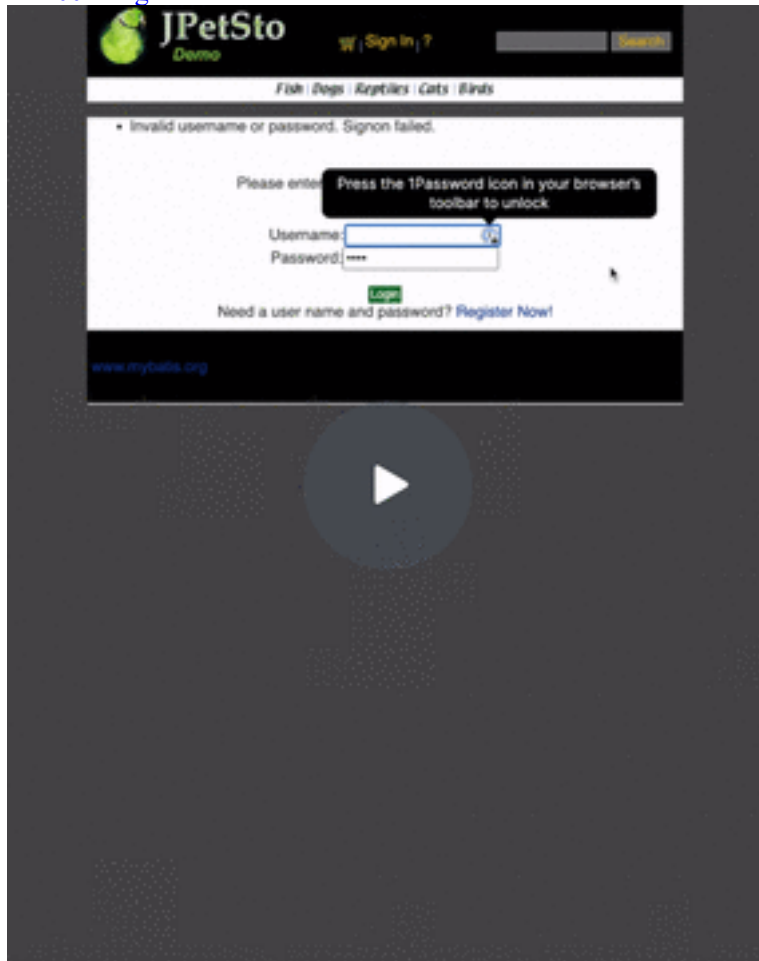
Assumptions: The potential user does not already have an existing account registered with the pet store. The web service and database are operational. The user has a valid email address for registration.

Test Steps	Expected Results	Actual Results
1. Enter all required user data into the registration form fields. 2. Create a unique username and password. 3. Fill in all required account information, including email, phone number, and address. 4. Complete the profile information section with preferences and other optional details.	1. Upon completion of each section as expected by the website, the input should be accepted without error.	As expected
5. Click on the 'Save Account Information' button.	1. The 'Save Account Information' button should submit the registration information to the server. 2. After submission, the next step in user journey should be redirection to the menu page or reception of a confirmation that the account has been created successfully.	As expected

Priority: High [Registering a new user is a critical feature for any e-commerce platform to enable transactions and user engagement.]

Video Walkthrough:

TC_002 Register New User - Watch Video

Link: https://www.loom.com/share/cb4e9e9b28e44ae98cc106bc1641d798?sid=de143fce-6b86-45f0-965d-c6b69fd695e0

Test Scenario ID: TS_002

Scenario Description: Check Login Functionality

Test Case ID: TC_003

Test Name: Verify Login Page Accessibility and Layout

Description: This test case ensures that the login page is accessible and displays all necessary fields and buttons for user login.

Pre-Condition: The website/url provided "https://petstore.octoperf.com/actions/Catalog.action" should be accessible and functional.
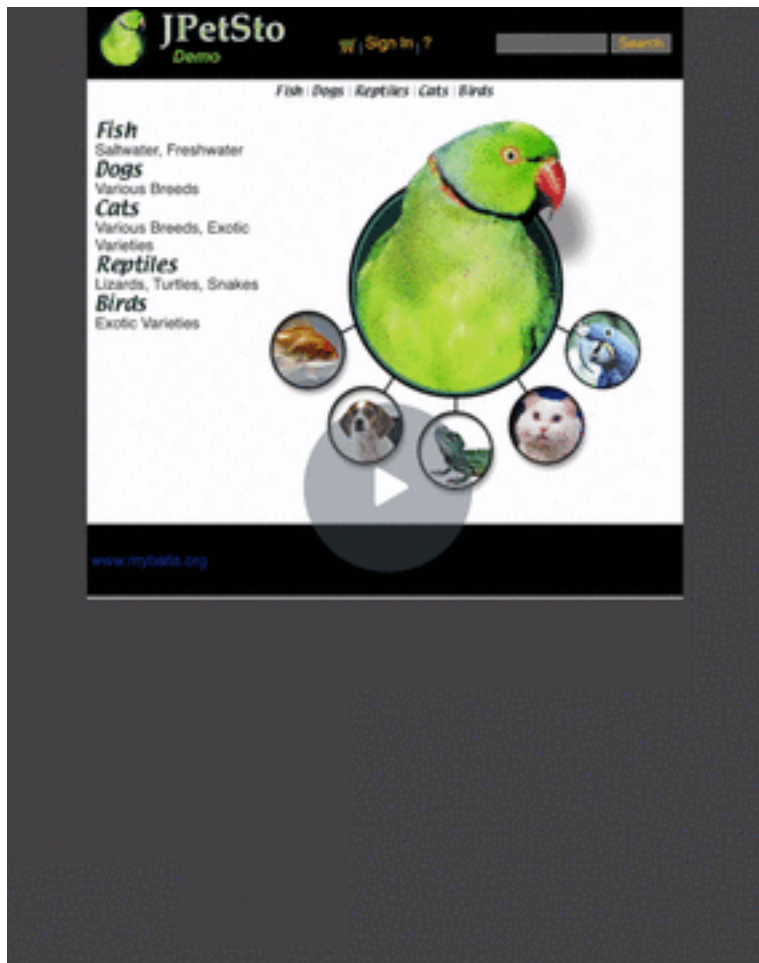
Assumptions: The website's homepage and login page are fully developed and deployed. The user's system and browser are functioning correctly.

Test Steps	Expected Results	Actual Results
1. Open the URL "https://petstore.octoperf.com/actions/Catalog.action".	The pet store's homepage should be displayed.	As expected
2. Visit the login/signin page (by clicking on the login link or button on the URL page you visited).	The login/user signin page is displayed and includes all necessary fields (Username, Password) and the Login button.	As expected

Priority: High [Registering a new user is a critical feature for any e-commerce platform to enable transactions and user engagement.]

Video Walkthrough:

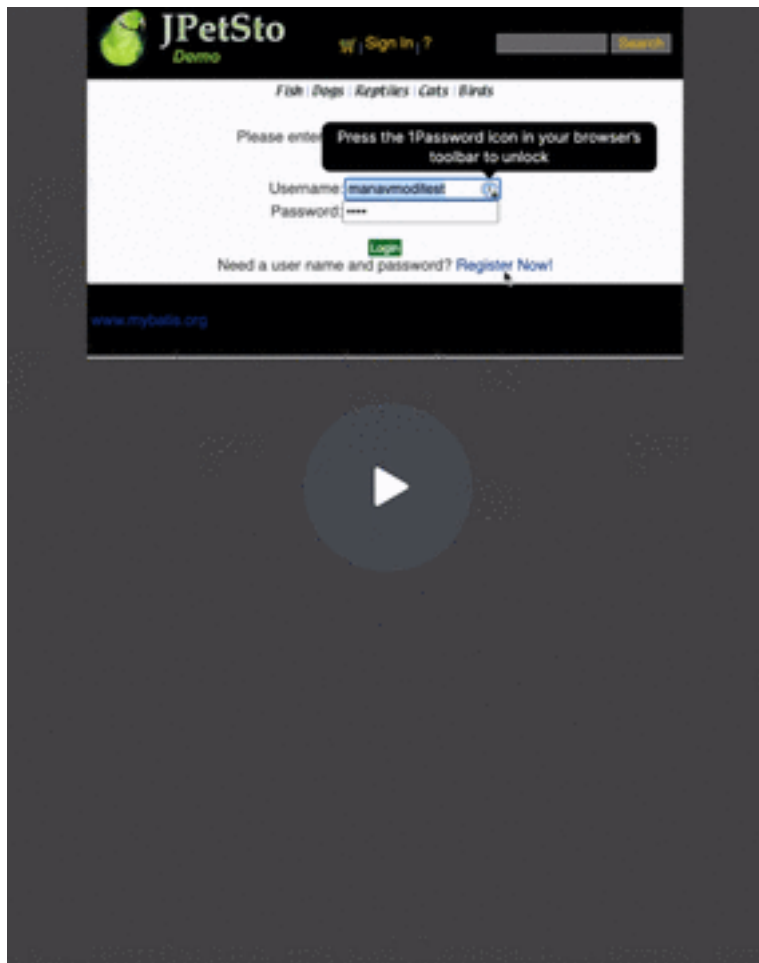TC_003 Verify Login Page Accessibility and Layout - Watch Video

Link: https://www.loom.com/share/cb12120e427d49febc2befcefd4ba774?sid=e10656fe-70b0-43b8-b6ab-98ad3b5c8eee

Test Case ID: TC_004

Test Name: Verification of Login Process Case- Valid Credentials

Description: This test case is designed to verify/ensure that a user with the correct matching credentials can log in with a valid/correct username and password.

Pre-Condition: The website/url provided
"https://petstore.octoperf.com/actions/Catalog.action" should be accessible and functional.

Assumptions: The user should have a valid registered account with a valid username and password.

Test Steps	Expected Results	Actual Results
1. Open the login page on URL "https://petstore.octoperf.com/actions/Catalog.action".	The pet store's login page should be displayed as expected next step in the user journey.	As expected
2. Enter a valid registered username in the username field.	The input for username should be accepted without error.	As expected
3. Enter the corresponding valid password in the password field.	The input for password should be accepted without error.	As expected
4. Click the 'Login' button or press Enter.	The user should be able to successfully log in and get redirected to the homepage.	As expected

Priority: High [Registering a new user is a critical feature for any e-commerce platform to enable transactions and user engagement.]

Valid Credentials:
Username: manavmoditest
Password: manav@test123

Video Walkthrough:
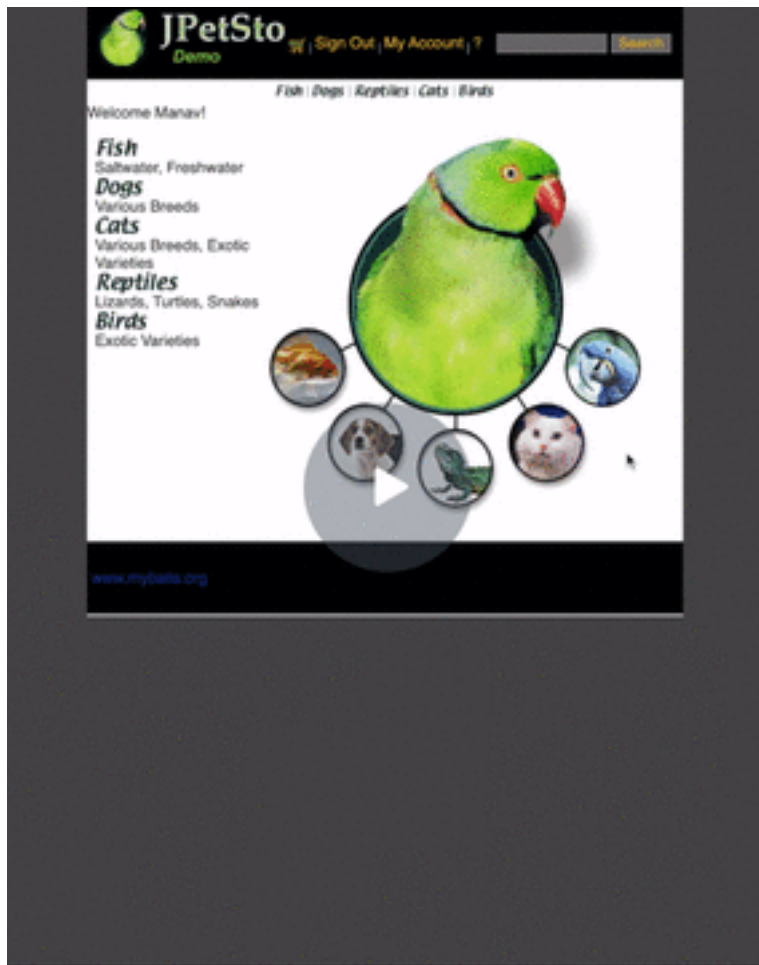TC_004 Valid Credentials - Watch Video

Link: https://www.loom.com/share/ceb8b6225dd548df9130b58690839cf5?sid=95455b5d-2a03-421b-b9fa-41da5b4b83b5

Test Case ID: TC_005

Test Name: Verification of Login Process Case- Valid Username and Invalid Password

Description: This test case checks the system's response when a user attempts to log in with a valid username but an incorrect password.

Pre-Condition: User is on the login page of website/url provided "https://petstore.octoperf.com/actions/Catalog.action" .

Assumptions: The user has a valid registered username and the system correctly validates password entries.

Test Steps	Expected Results	Actual Results
1. Open the login page on URL "https://petstore.octoperf.com/actions/Catalog.action".	The pet store's login page should be displayed as expected next step in the user journey.	As expected
2. Enter a valid registered username in the username field.	The input for username should be accepted without error.	As expected
3. Enter an invalid/incorrect/non - corresponding password in the password field.	The input for password should be accepted without error.	As expected
4. Click the 'Login' button or press Enter.	An error message stating "Invalid password" should be displayed.	As expected

Priority: High [Registering a new user is a critical feature for any e-commerce platform to enable transactions and user engagement.]

Video Walkthrough:

TC_005 Valid Username and Invalid Password - Watch Video

Link: https://www.loom.com/share/0939ffff3b0648049a2519711e3d39ef?sid=4530b8f4-c84e-4820-a726-caee1abda29a

Test Case ID: TC_006

Test Name: Verification of Login Process Case- Invalid username and valid password

Description: This test case ensures the login process identifies incorrect username entries even if the password entered is valid.

Pre-Condition: User is on the login page of website/url provided "https://petstore.octoperf.com/actions/Catalog.action" .
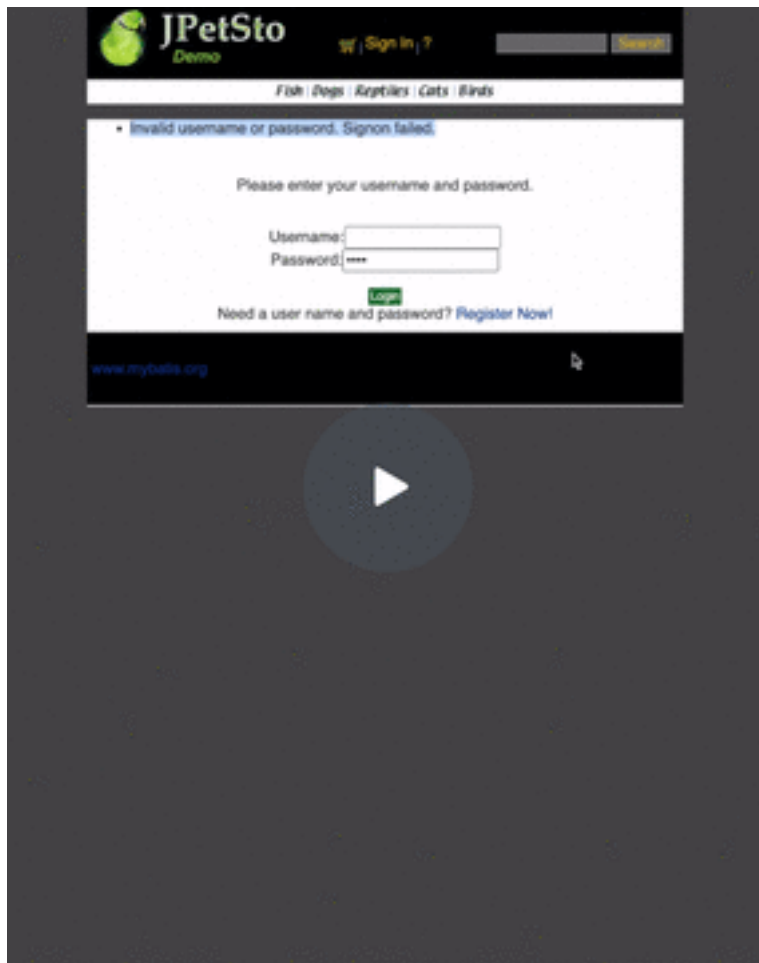
Assumptions: The user enters an invalid username that does not exist in the system's database but provides a valid password format.

Test Steps	Expected Results	Actual Results
1. Open the URL to access the pet store's login page.	The pet store's login page should be displayed as expected next step in the user journey.	As expected
2. Enter an invalid/incorrect/ not registered username into the username field.	The system should accept the username input.	As expected
3. Enter a valid(something matches with that of a registered user) password into the password field.	The system should accept the password input.	As expected
4. Click the 'Login' button or press Enter.	An error message mentioning "The username entered is not associated with an account" should be displayed.	As expected

Priority: High [Registering a new user is a critical feature for any e-commerce platform to enable transactions and user engagement.]

Video Walkthrough:
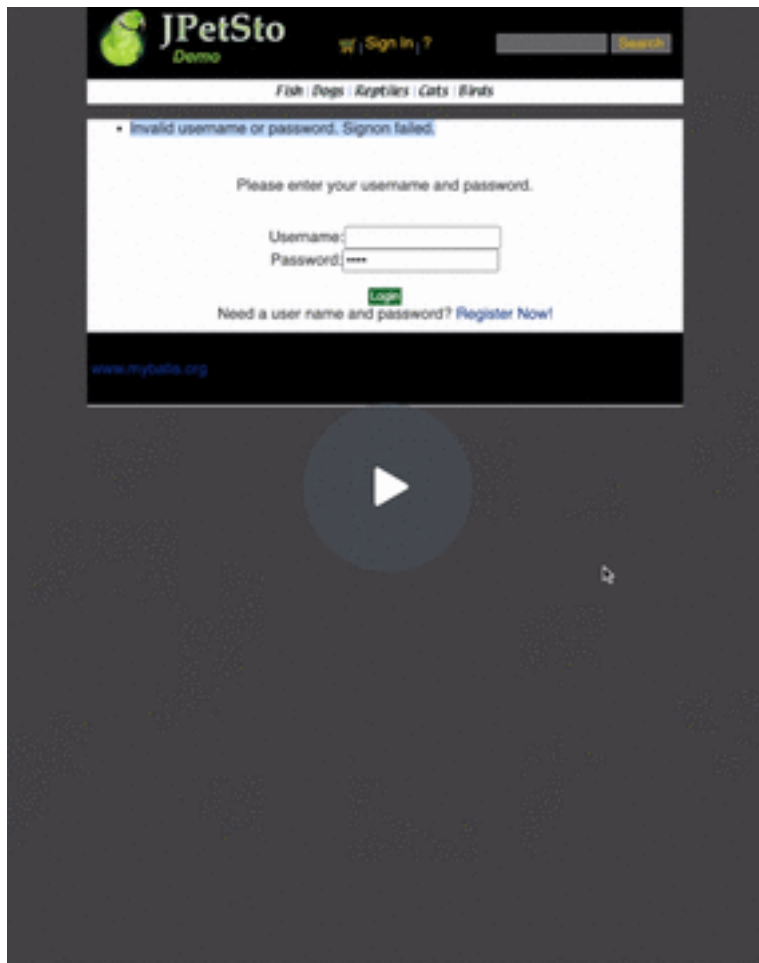
TC_006 Invalid username and valid password - Watch Video

Link:

https://www.loom.com/share/e8cfb05b1db448ea88b42c32055d8968?sid=fccdab4a-fabb-4982-8019-640722d34207

Test Case ID: TC_007

Test Name: Verification of Login Process Case- Invalid Username and Invalid Password

Description: This test case checks the system's response when a user attempts to log in with both an invalid username and an invalid password.

Pre-Condition: User is on the login page of website/url provided "https://petstore.octoperf.com/actions/Catalog.action" .

Assumptions: The user enters both username and password details such that they do not match any user records in the system's database.

Test Steps	Expected Results	Actual Results
1. Open the URL to access the pet store's login page.	The pet store's login page should be displayed as expected next step in the user journey.	As expected
2. Enter an invalid username into the username field.	The system should accept the username input.	As expected
3. Enter an invalid password into the password field.	The system should accept the password input.	As expected
4. Click the 'Login' button or press Enter.	An error message stating/mentioning that "The username entered is not associated with an account" should be displayed.	As expected

Priority: High [Registering a new user is a critical feature for any e-commerce platform to enable transactions and user engagement.]

Video Walkthrough:

TC_007 - Invalid Username and Invalid Password - Watch Video

Link:

https://www.loom.com/share/01e246ad6ed54e32978e5c43c22a6e32?sid=b652e98f-e9e8-4edc-8c69-d2ccff9c7deb

Test Case ID: TC_008

Test Name: Verification of Login Process Case- Invalid Credentials

Description: This test case checks the system's response when a user enters invalid username and password combinations repeatedly.

Pre-Condition: User is on the login page of website/url provided "https://petstore.octoperf.com/actions/Catalog.action" and the site is functioning correctly.
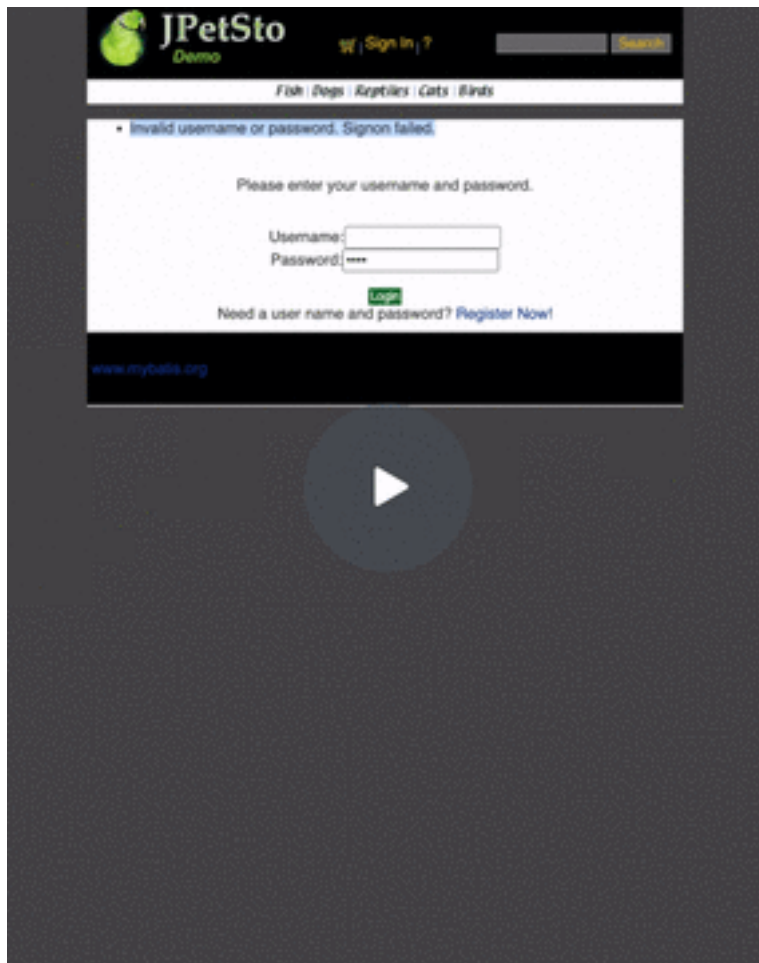
Assumptions: The system has a lockout or security mechanism for multiple invalid login attempts.

Test Steps	Expected Results	Actual Results
Open the URL to access the pet store's login page.	After the specified number of invalid attempts, the system should prompt for a security code or show a lockout message to prevent brute force attacks.	Not as Expected. Allows multiple attempts without any security provision.
Enter an invalid/incorrect/non registered username and an invalid password.		
Attempt to log in three times with these invalid credentials.		

Priority: High [Registering a new user is a critical feature for any e-commerce platform to enable transactions and user engagement.]

Video Walkthrough:

TC_008- Invalid Credentials - Watch Video

Link:

Test Case ID: TC_009

Test Name: Verification of Login Process Case- Without Username

Description: This test case verifies the system's response when trying to log in without providing a username.

Pre-Condition: User is on the login page of website/url provided "https://petstore.octoperf.com/actions/Catalog.action" and the site is functioning correctly.
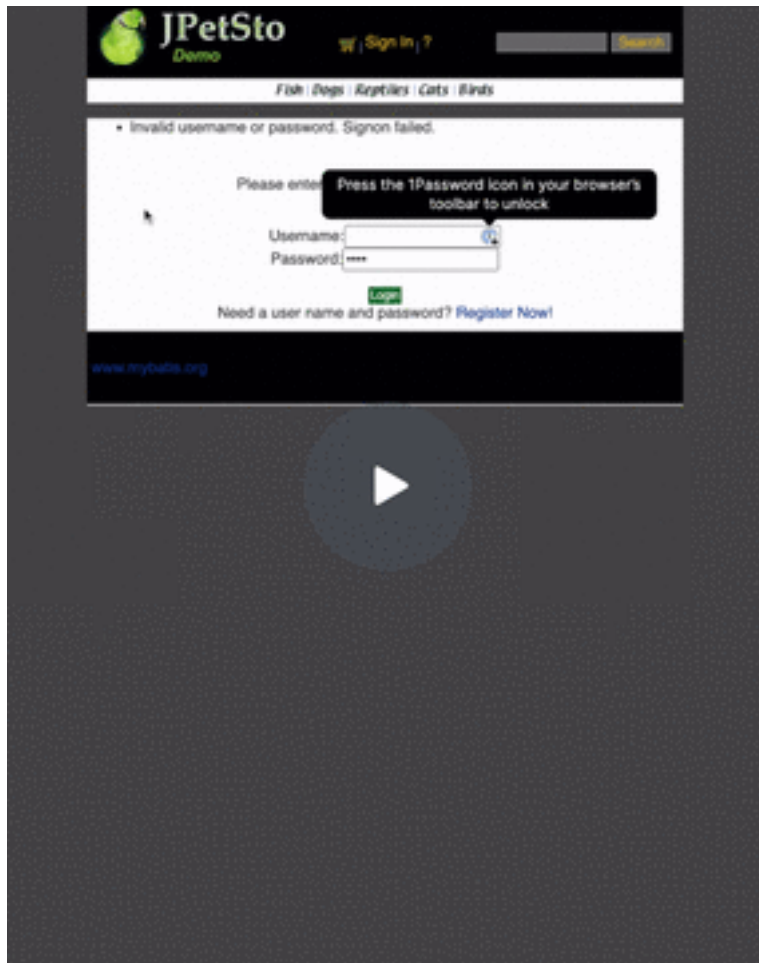
Assumptions: The login process requires both a username and password.

Test Steps	Expected Results	Actual Results
Open the URL to access the pet store's login page.		Not as expected. Though it doesn't allow the login, it doesn't throw an error message appropriate to the situation.
Enter a valid/correct password into the password field.	The system should not proceed with the login and should prompt the user to enter a username.	
Attempt to log in without entering a username.		

Priority: High [Registering a new user is a critical feature for any e-commerce platform to enable transactions and user engagement.]

Video Walkthrough:

TC_009 Without Username - Watch Video

Link:

https://www.loom.com/share/72a1f6579d0b497db41ba74ddc56a419?sid=1ef376a1-7cd8-471f-a8ba-46f64c996f21

Test Case ID: TC_010

Test Name: Verification of Login Process Case- Without Password

Description: This test case verifies the system's response when a user tries to log in without providing a password.

Pre-Condition: User is on the login page of website/url provided "https://petstore.octoperf.com/actions/Catalog.action" and the site is functioning correctly.
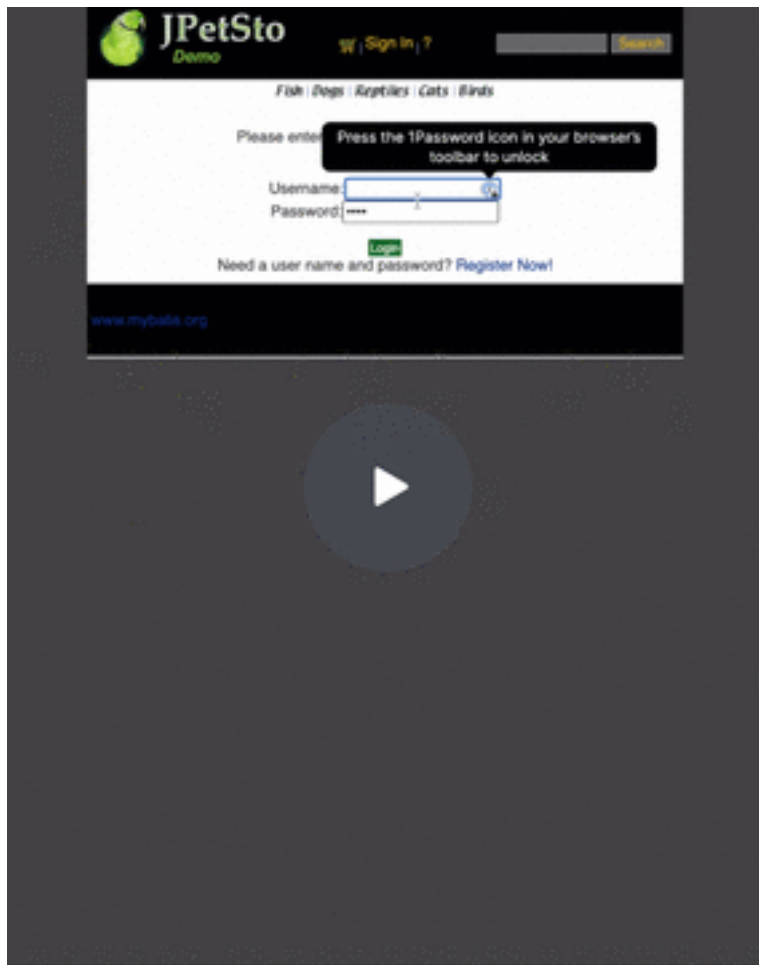
Assumptions: The login process requires both a username and password.

Test Steps	Expected Results	Actual Results
Open the URL to access the pet store's login page.	The system should not proceed with the login and should prompt the user to enter a password.	Not as expected. Though it doesn't allow the login, it doesn't throw an error message appropriate to the situation.
Enter a valid/correct/registered username into the username field.		
Attempt to log in without entering a password.		

Priority: High [Registering a new user is a critical feature for any e-commerce platform to enable transactions and user engagement.]

Video Walkthrough:

TC_010- Without Password - Watch Video

Link:
https://www.loom.com/share/dc1dc74aa6ce4cc680ceeb21eef2404c?sid=f4ef86c9-2be3-4cc8-9e46-87d551fbe228

Test Scenario ID: TS_003

Test Case ID: TC_011

Test Name: Search Pets in Search Bar

Description: This test case verifies if the search functionality is working correctly on the pet store's website.

Pre-Condition: User is on the login page of website/url provided "https://petstore.octoperf.com/actions/Catalog.action" and the site is functioning correctly.

Assumptions: The search bar is functioning and can retrieve results based on the entered query.

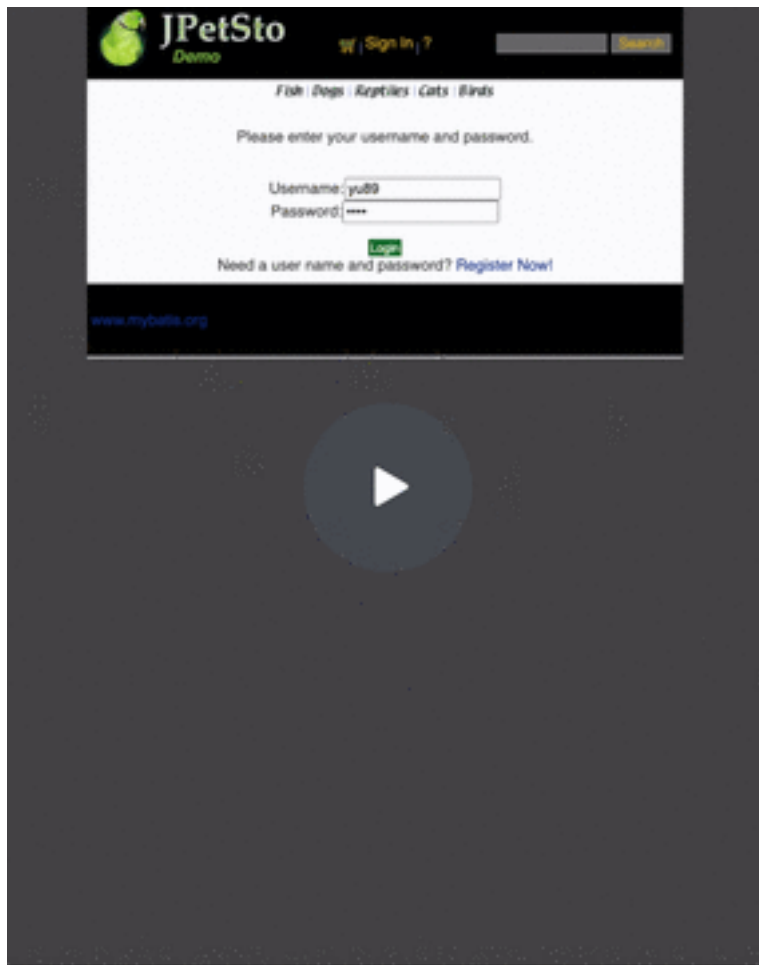| Test Steps	Expected Results	Actual Results
Open the URL to access the pet store's homepage.		As expected
Sign in with valid credentials- Registered Username and valid password.	The 'Search' button should be enabled after entering the search query.	
Enter the name of an animal into the search bar.- Basically making a normal search.	The system should display search results relevant to the entered animal name, including product IDs and names.	As expected
Click on the 'Search' button to proceed and view the results.		

Priority: Medium

Valid Credentials:
Username: manavmoditest
Password: manav@test123

Video Walkthrough:

TC_011- Search Pets - Watch Video

Link:

https://www.loom.com/share/055ccac91a7e4b6db9e1303d74385376?sid=08dbf0b3-2e86-4556-a12c-44875311722f

Test Case ID: TC_012

Test Name: Select Pet by Product ID

Description: This test case will verify if a user can select a pet by clicking on its product ID after performing a search.

Pre-Condition: User is on the login page of website/url provided "https://petstore.octoperf.com/actions/Catalog.action" and the site is functioning correctly.
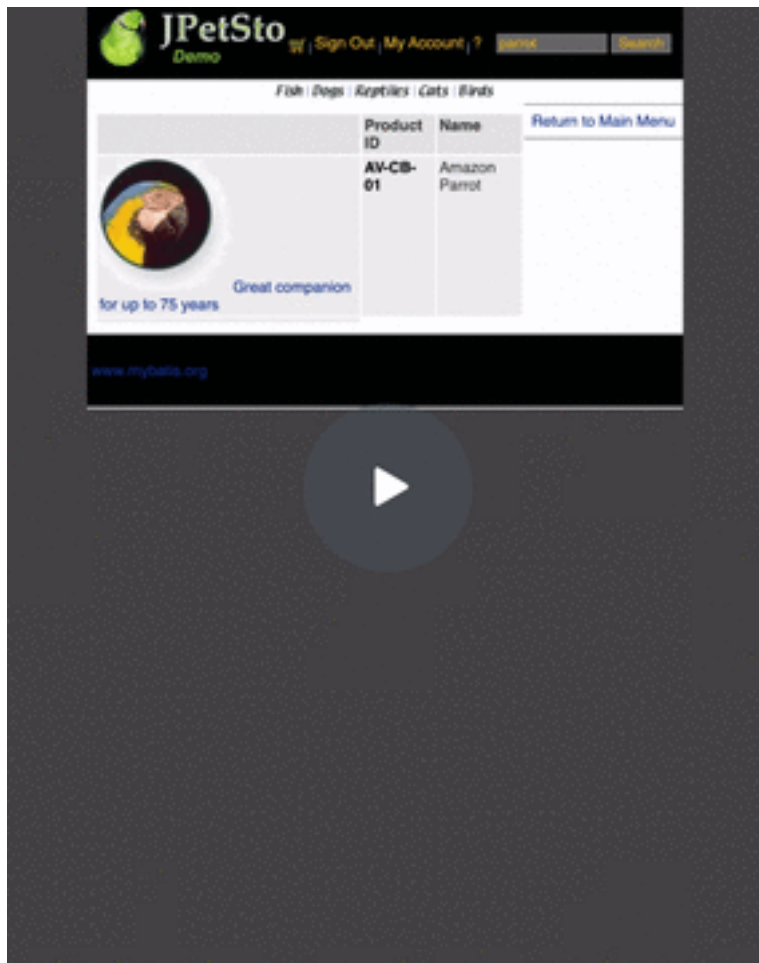
Assumptions: The search functionality is working, and product IDs are correctly linked to the detailed information pages for each pet.

Test Steps	Expected Results	Actual Results
Open the URL to access the pet store's homepage.		As expected
Sign in with valid credentials- Registered Username and valid password.	1. The product ID links in the search results should be enabled and clickable.	
Enter the name of an animal into the search bar.- Basically making a normal search.	2. Once a product ID link is clicked, the system should navigate the user to the detailed information page for the selected pet.	
Click on the 'Search' button to proceed and view the results.		
From the search results, click on the desired animal's product ID.		

Priority: Medium

Video Walkthrough:

TC_012- Select Pet by Product ID - Watch Video

Link:
https://www.loom.com/share/0dda3d3875a54c7f9521136e7e92a6fe?sid=296c7874-e035-42e0-80a4-cb71825570cf

Test Scenario ID: TS_004

Test Case ID: TC_013

Test Name: Addition of a Pet to the Cart

Description: This test case will verify that a logged in user can add a pet to the shopping cart from the product details page.

Pre-Condition: User is on the login page of website/url provided "https://petstore.octoperf.com/actions/Catalog.action" and the site is functioning correctly. The user has navigated to a pet's product details page.
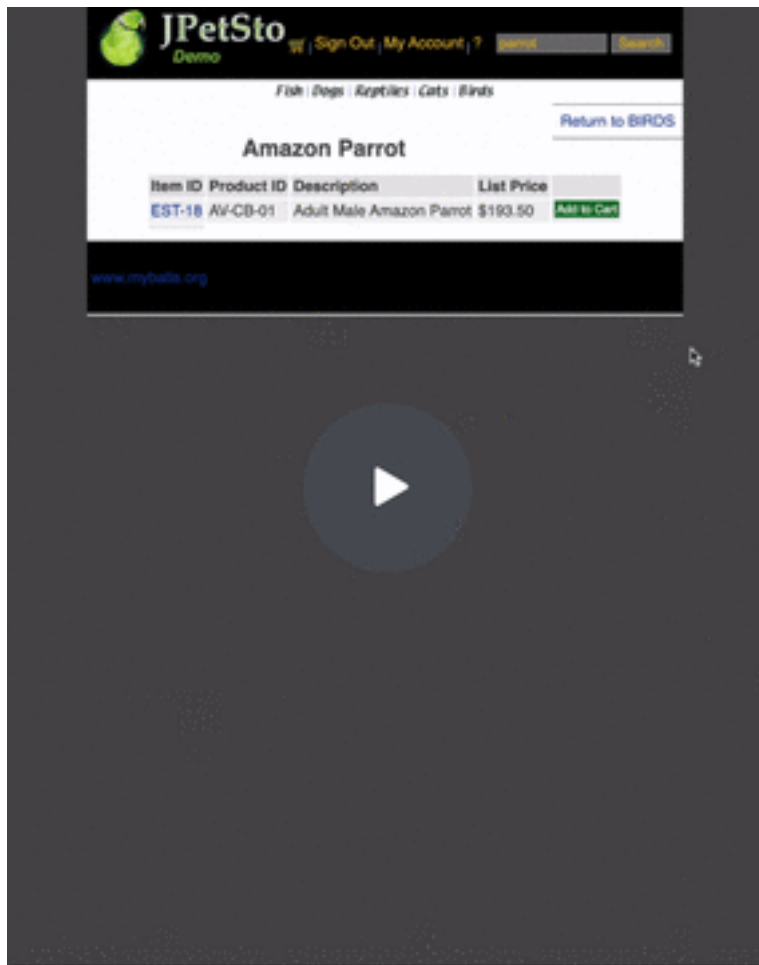
Assumptions: Each pet's product detail page has an 'Add to Cart' option.

Test Steps	Expected Results	Actual Results
Repeat steps 1-4 from TC_012 to navigate to a pet's product detail page.	1. The 'Add to Cart' link or button should be enabled on the pet's product details page.	As expected
On the pet's product details page, click on the 'Add to Cart' link or button.	2. The process "Clicking the 'Add to Cart' link" should add the selected pet to the shopping cart. The cart contents should reflect the addition of the new item.	As expected

Priority: Medium

Video Walkthrough:

TC_013- Addition of Pet to cart - Watch Video

Link:

https://www.loom.com/share/1a6b5ad83bee44fcb304c4ca4e0f415d?sid=4fced07a-2da5-4f84-a387-ed0bc5732fdb

Exercise #2: Defect Reporting

Bug Number
20231106-01

Bug Title
Duplicate Warning Messages for Empty Search

Priority
P4 - Minor

Platform/Environment
OS: Mac OS
Browser: Chromium based Arc Browser

Description of the bug
When a user attempts to search without adding an input of any keywords in the search field, the same warning message is displayed two times.

Steps to Reproduce
1. Visit the web page: https://petstore.octoperf.com/actions/Catalog.action
2. Ensure that the search field is empty/without any input.
3. Click on the Search button.

Expected Result vs Actual Result
Expected Result:
A single instance of the message "Please enter a keyword to search for, then press the search button." should appear.

Actual Result:
The message "Please enter a keyword to search for, then press the search button." is displayed two times.

Video Walkthrough:

20231106-01 - Duplicate Warning Message - Watch Video

Link:
https://www.loom.com/share/e57d465e31434a088517d6eb6b8f1389?sid=6620492f-40bc-4b18-8774-e79ed2b22296

Bug Number
20231106-02

Bug Title
Cart Empties After User Logs Out and Signs into their account

Priority
P3 - Major

Platform/Environment
OS: Mac OS
Browser: Chromium based Arc Browser

Description of the bug
Products added to the shopping cart are removed after the user logs out and then Signs into their account again.

Steps to Reproduce
1. Navigate to https://petstore.octoperf.com/actions/Catalog.action
2. Ensure you are logged into a registered account.
3. Search for "Adult Male Amazon Parrot" and add it to the cart.
4. Click the 'Sign Out' button.
5. Click the 'Sign In' button.
6. Enter a valid username and password.
7. Click the 'Login' button.
8. Click on the Cart icon.

Expected Result vs Actual Result
Expected Result:
The Shopping Cart should have retained the previously added product, such as the "Adult Male Amazon Parrot." given that the state of cart should not change post log out/log in activity.

Actual Result:
The Shopping Cart is empty upon re-login.

Video Walkthrough:

20231106-02 Cart Empty Bug - Watch Video

Link:
https://www.loom.com/share/b22d26f7608744c7a16c1b56aef3e5f9?sid=e119738f-51b9-4999-bbea-cbcf94c1c9e8

Bug Number
20231106-03

Bug Title
Ability to Order Products Not in Stock

Priority
P2 - Critical

Platform/Environment
OS: Mac OS
Browser: Chromium based Arc Browser

Description of the bug
Users are able to proceed with ordering products that are listed as not in stock.

Steps to Reproduce
1. Navigate to https://petstore.octoperf.com/actions/Catalog.action
2. Ensure you are logged into a registered account.
3. Search for a product known to be not in stock (e.g., "Green Adult Iguana").
4. Add the out-of-stock product to the cart.
5. Click 'Proceed to Checkout.'
6. On the Payment Detail page, click 'Continue.'
7. On the Order Confirmation page, click 'Confirm.'

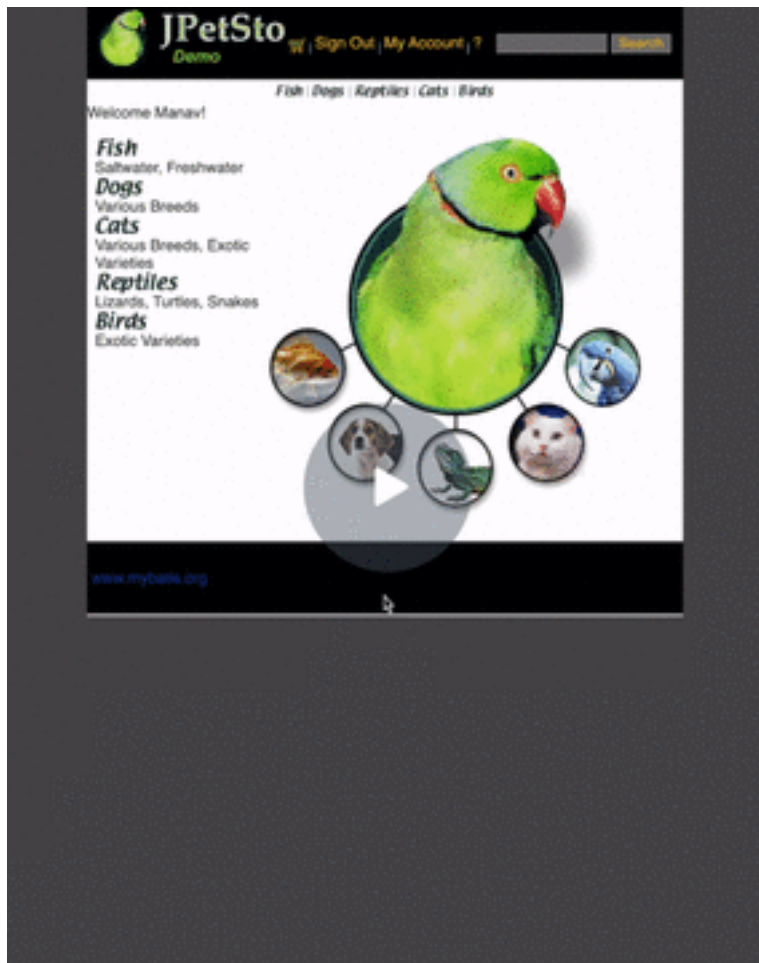**Expected Result vs Actual Result**
Expected Result:
The system should not allow the submission of an order for out-of-stock products, displaying an error message indicating the lack of stock.

Actual Result:
The order for a product not in stock is successfully submitted without any error message.

Video Walkthrough:

20231106-03 Able to order Out of stock products. - Watch Video

Link:

https://www.loom.com/share/1ca3fe9ea95149648d283a3d35dcd7ae?sid=11556614-bb4e-45cb-8562-0d985e66f2fb