



Engineering Quality Assurance and Testing

Assignment 3: JMeter, BDD, Test Management Tasks

Course: EEET2578

Lecturers: Mr.Phong Ngo and Mr.Bao Ho

Group: 2

Students:

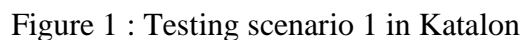
- Pham Nguyen Minh Dang : s3922418
- Dang Vinh Luan : s3927222
- Tran Minh Nhat : s3926629
- Tran Tan Phat: s3836612

1. Overview

The Pet Store is an online e-commerce portal that enables users to browse, search, and purchase a diverse selection of pet-related products. The website offers a user-friendly interface that

2. Test Scenarios

Scenario 1: User Login and Account Management



- **Objective:** Confirm that the user is able to log in, update their account information, and log out.
- **Test Steps:**
 1. Open browser and navigate to the Pet Store website.
 2. Click on the "Sign In" button and log in with valid credentials.
 3. Navigate to "My Account" and update phone number and address.
 4. Save the changes and log out.
 5. Log back in and verify if the changes persist.
- **Expected Result:** The user is capable of effectively logging in, updating their account, and logging out. The modifications should remain in effect upon relogging in.

Scenario 2: Product Search and Add to Cart

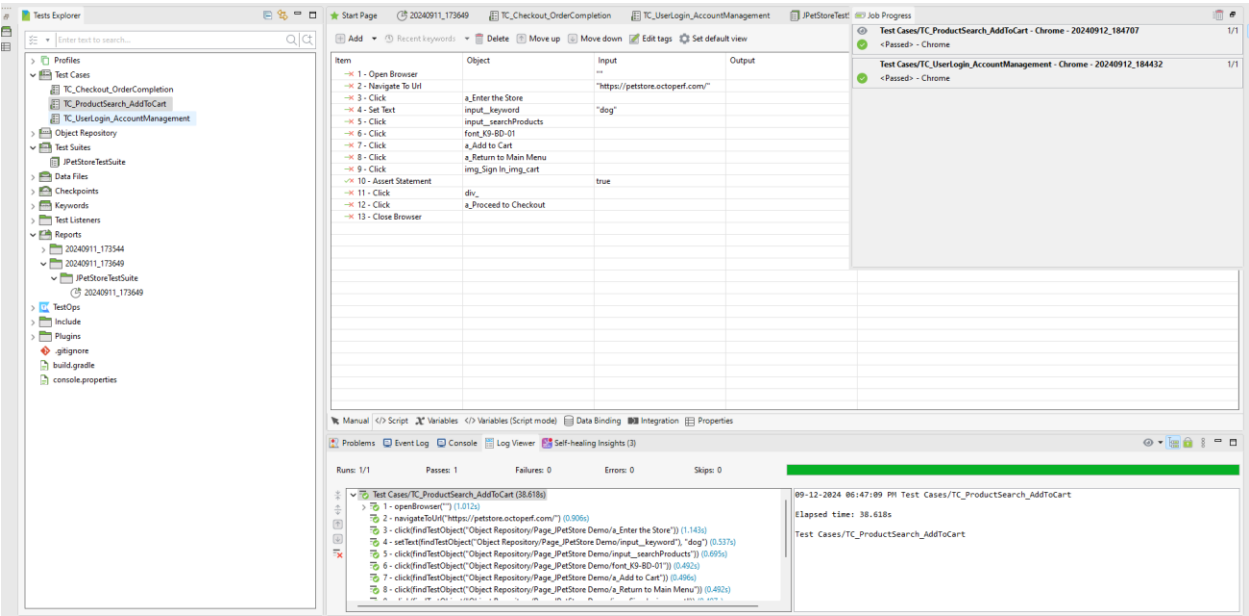


Figure 2 : Testing scenario 2 in Katalon

- Objective:** Ensure that the user is able to locate a product and add it to their purchasing cart.
- Test Steps:**
 - Open browser and navigate to the Pet Store website.
 - Use the search bar to search for a product like "dog food."
 - Add the product to the cart.
 - Verify that the product appears in the cart.
- Expected Result:** After the search and add-to-cart operations, the product should be displayed in the cart.

Scenario 3: Checkout Process

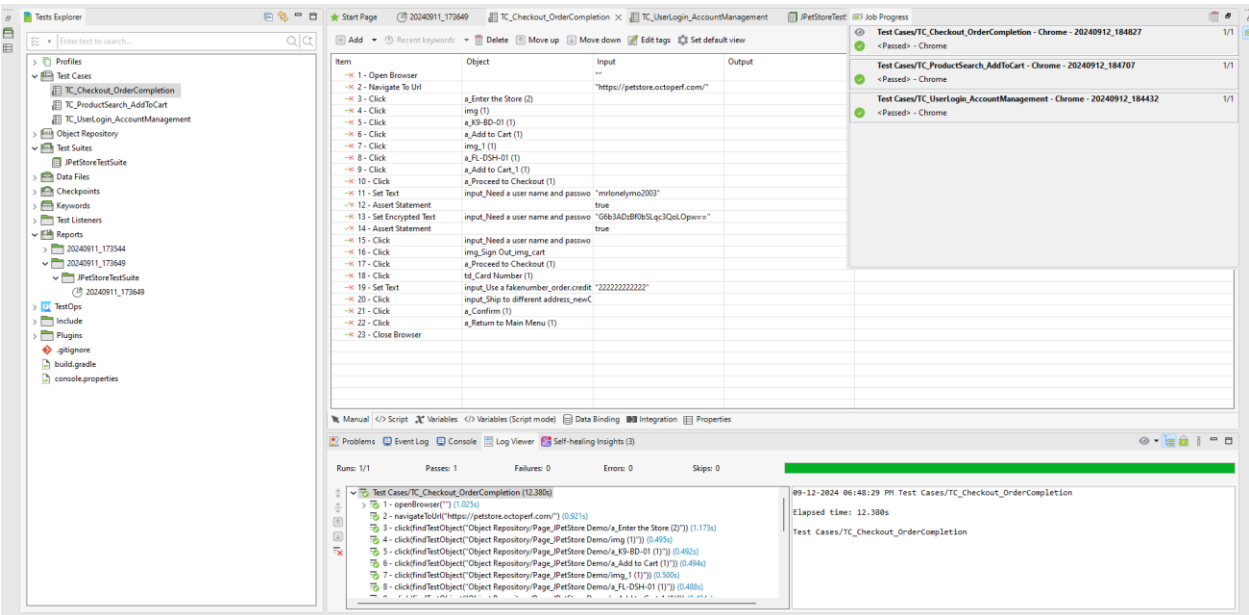


Figure 3 : Testing scenario 3 in Katalon

- Objective:** Verify that the user can complete the checkout process.
- Test Steps:**
 - Log into the Pet Store website.

11. Add an item to the cart and proceed to checkout.
12. Enter shipping and payment details and confirm the order.
- Expected Result: An order confirmation message is displayed upon the successful placement of the transaction.

3. Jira/QALity Test Cases

The following is a concise overview of the test cases that were generated and monitored in Jira/QALity.

Test Case 1: Test User Login and Account Management

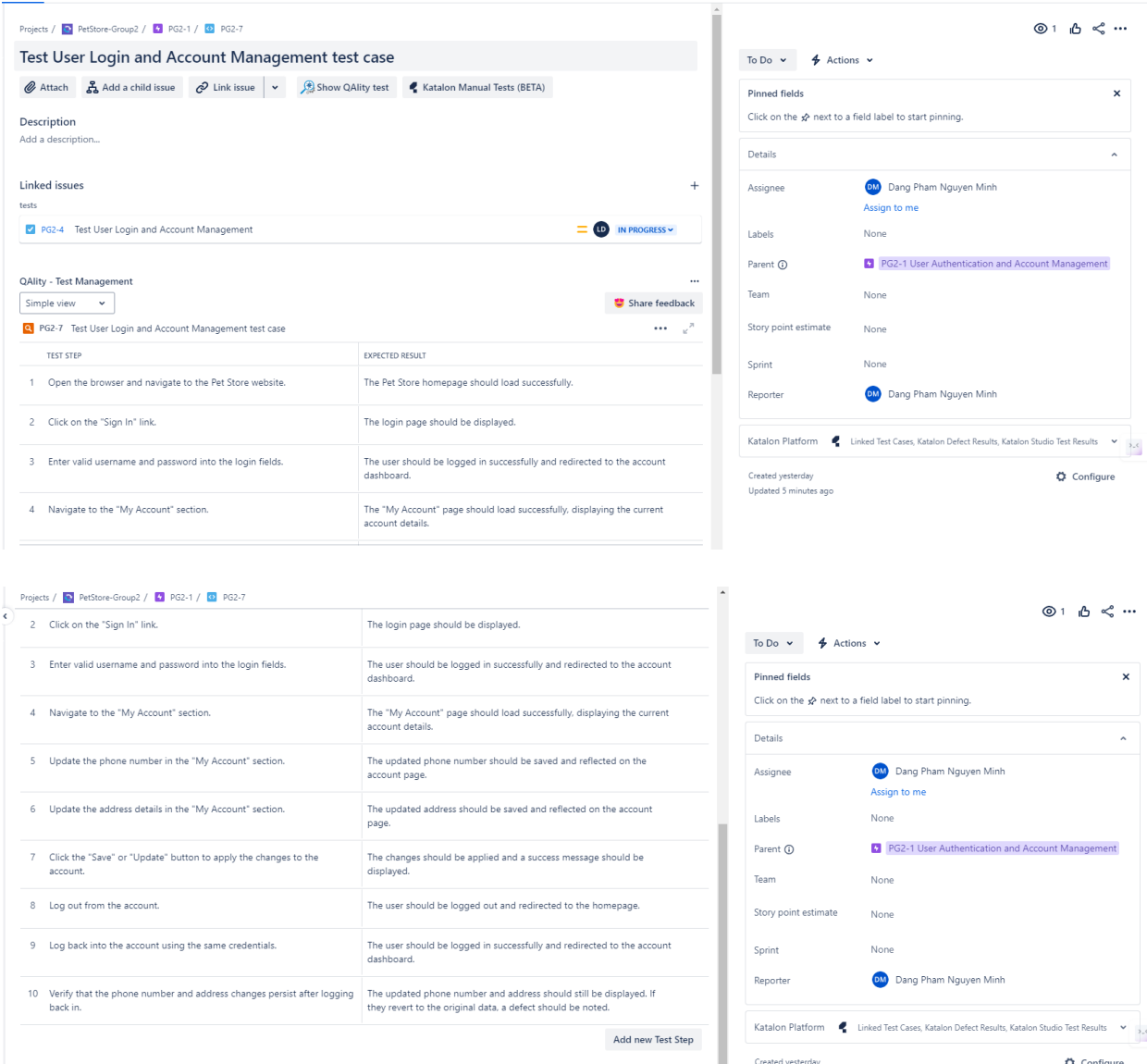


Figure 4 : Test Case 1 in Jira

- Summary: Test the login functionality and the ability to manage user account details.
- Jira ID: PG2-7
- Test Data:

Username: mrlonelymo2003

Password: password123
- Expected Result: The user has the ability to modify their address and phone number, and these modifications are retained upon re-logging in and logging out.

Test Case 2: Product Search and Add to Cart

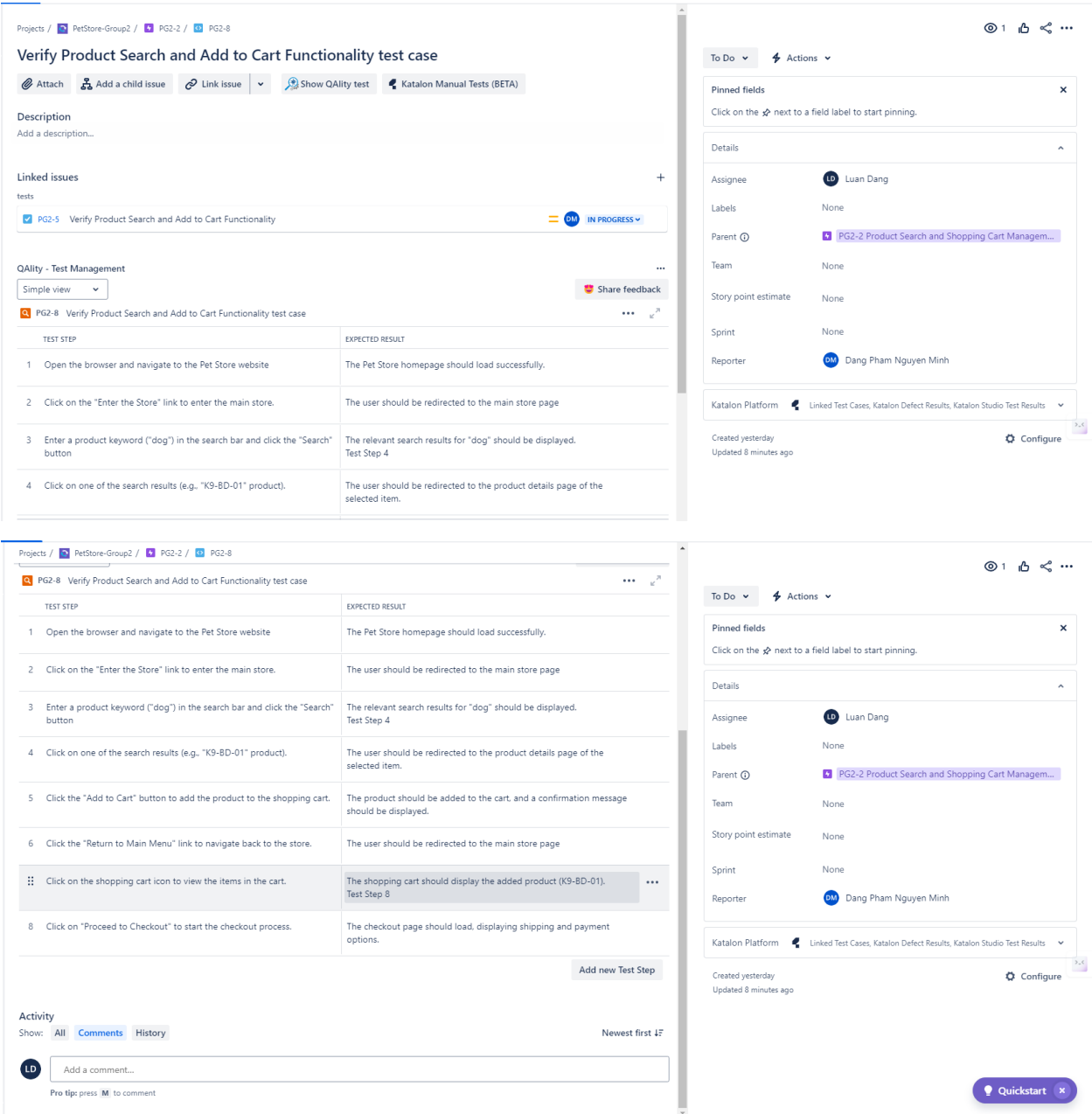


Figure 5 : Test Case 2 in Jira

- **Summary:** Ensure that users are able to search for products and add them to their cart.
- **Jira ID:** PG2-8
- **Test Data:**
 - Search Keyword: dog
- **Expected Result:** Products that are pertinent to the search query are displayed and may be incorporated into the shopping cart.

Test Case 3: Checkout Process

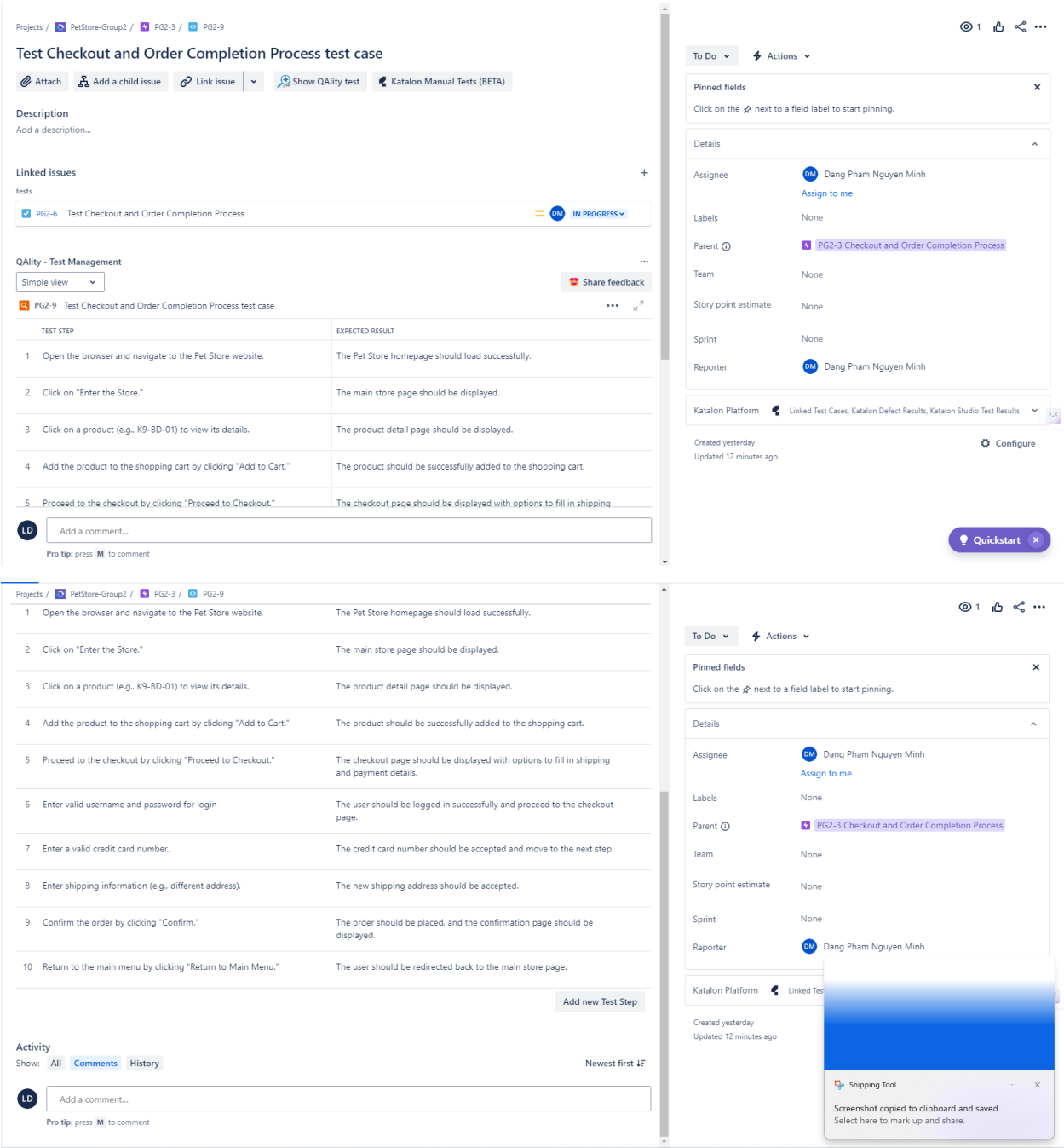


Figure 6 : Test Case 3 in Jira

- **Summary:** Guarantee that the checkout process is effectively completed by users.
- **Jira ID:** PG2-9
- **Test Data:**
 - Product: K9-BD-01
 - Credit Card Number: 2222222222222222
- **Expected Result:** A confirmation message is displayed upon the effective completion of the order.

4. Test Outputs

Test Case Execution Results

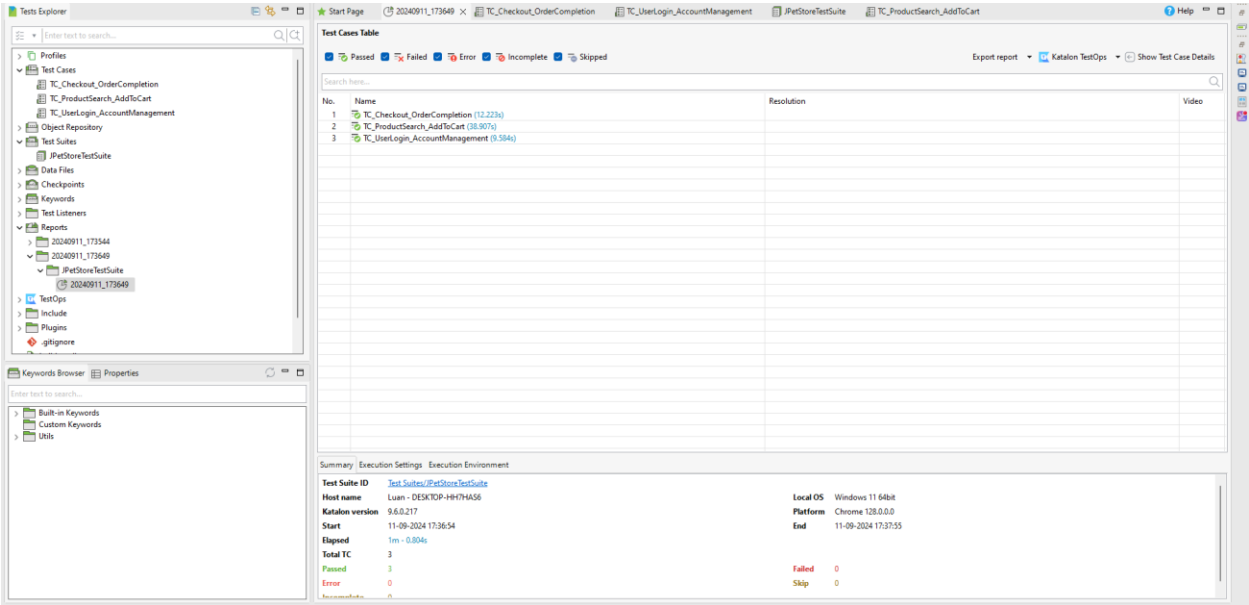


Figure 7 : Report of Test Suite in Katalon

Test Case ID	Test Case Name	Status	Remarks
PG2-7	Test User Login and Account Management	Passed	Changes persist after re-login.
PG2-8	Product Search and Add to Cart	Passed	Product successfully added to the shopping cart.
PG2-9	Checkout Process	Passed	User successfully checkout the shopping cart and order is confirmed by the system.

Defects

No defects were identified following the completion of all tests, as they were all successful.

5. Test Cycle

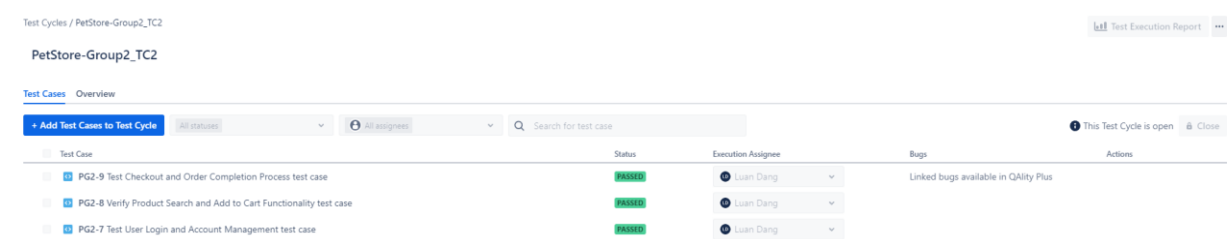


Figure 8 : Test cycle in Jira

Test Cycle Overview

- Project: PetStore-Group2
- Created: 12/Sep/2024

- Due Date: 15/Sep/2024
- Total Test Cases: 3
- Execution Status:
 - Passed: 100% (3)
 - Failed: 0% (0)
 - Blocked: 0% (0)
 - In Progress: 0% (0)
 - Unexecuted: 0% (0)

Test Cycle Description

This test cycle covers the key functionalities of the PetStore website, focusing on:

- User Login and Account Management: It is necessary to confirm that users are able to log in, update their account information, and administer their profiles.
- Product Search and Add to Cart: Ensure that users are able to browse for products and add them to their shopping cart.
- Checkout and Order Completion: Testing the entire checkout procedure, including the addition of items to the cart, the submission of payment information, and the confirmation of the order.

Execution Summary

The following test cases were included and executed within the test cycle:

- PG2-9: Test Checkout and Order Completion Process
 - Status: Passed
- PG2-8: Verify Product Search and Add to Cart Functionality
 - Status: Passed
- PG2-7: Test User Login and Account Management
 - Status: Passed

The execution of all test cases was successful, with no defects or issues identified. The primary objective of the test cycle was to verify that the fundamental functionality of the PetStore website functions as expected, verifying that the critical operations of user account management, product search, and checkout are functioning as intended.

Bugs Linked

There were no bugs linked to this test cycle, as all tests passed without encountering defects.

6. Sprint



Figure 9 : Test Sprint in Jira

Sprint Overview

- Sprint Name: PG2 Sprint 1
- Duration: September 2024
- Sprints Included:
 - PG2-1: User Authentication and Account Management
 - PG2-2: Product Search and Shopping Cart
 - PG2-3: Checkout and Order Completion Process

Sprint Goal

The objective of this iteration was to evaluate and verify the fundamental functionalities of the PetStore website, such as user authentication, product search, and the checkout process. The successful conclusion of this sprint guarantees that critical user flows function as intended without the introduction of errors or defects.

Sprint Breakdown

PG2-1: User Authentication and Account Management

- Epic Name: User Authentication and Account Management
- Description: This epic encompassed the account management and logon functionality, which enabled users to update their personal information and confirm persistence after logging out.
- Status: Completed

PG2-2: Product Search and Shopping Cart

- Epic Name: Product Search and Shopping Cart Management
- Description: The primary objective of this epic was to evaluate the functionality of the product search and the capacity to add items to the purchasing cart. It guaranteed that products could be located, displayed, and effectively added to the cart.
- Status: Completed

PG2-3: Checkout and Order Completion Process

- Epic Name: Checkout and Order Completion Process

- Description: After adding items to the cart, entering payment details, and confirming the order, this epic validated the transaction process, ensuring that users could complete their purchases.
- Status: Completed

Sprint Outcome

The sprint was effectively completed, with all of the planned epics being completed. Each feature was rigorously evaluated to guarantee that the PetStore website's primary functionalities are functioning as anticipated and remain stable. The system's readiness for users was bolstered by the absence of any significant blockers or critical defects during this iteration.

7. Conclusion

The anticipated results were attained during the login, account management, and product search tests. Nevertheless, the purchasing process encountered a defect as a result of an invalid credit card validation, which necessitates resolution. Additional testing is necessary to confirm the functionality of the checkout procedure after the issue has been resolved.