Manual Testing for NopCommerce E-commerce Platform Using Jira

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1. Overview

This project is a comprehensive manual testing initiative for the nopCommerce e-commerce platform. It was designed and implemented using Jira. The project focuses on validating important functionality features such as:

- User registration,
- Login,
- Logout,
- Account Management,
- Product search,
- Product catalog,
- Wishlist,
- and Add-to-cart.

2. Objectives

- Ensure Quality: Validate that the nopCommerce platform meets the required functionality and user experience expectations.
- Documentation: Create detailed test cases and scenarios for each major feature.
- Agile Process Implementation: Demonstrate the use of agile practices by organizing and managing test cases as part of the project backlog in Jira.
- Skill Showcase: Highlight proficiency in manual testing, test case design, and agile project management using Jira.

3. Tools and Environment

- Manual Testing: All test cases were executed manually.
- Jira: Used for managing overall backlog (user stories, test cases, and bugs).
- nopCommerce Platform: The live e-commerce website serving as the test subject.
- Browsers: Google Chrome Version 133.0.6943.99 (Official Build) (64-bit).
- Operating System: Windows 11 (primary).

4. Methodologies

1. Agile Approach:
   - The project was organized using agile principles with a defined backlog, sprint planning, and iterative execution.

2. Test Case Design:
   - Each functionality (e.g., registration, search, add to cart) was broken down into user stories and corresponding test cases.

3. Jira for Test Management:
   - Test cases were documented as tasks.
   - Backlog items were organized into Epics and grouped with labels/components for better traceability.

5. Backlog Organization

- Epic:

  Major features were grouped under epics such as "User Registration", "Logged In User", "Product Catalog & Search", "Wishlist", and "Cart & Checkout".

- User Storie and Acceptance Criteria:

  Each feature was detailed using user stories that followed the format:

  “As a [user], I want [feature] so that [benefit].”

  Acceptance criteria were defined to specify the conditions for test success.

- Test Case:

  Detailed test cases were created for each user story and documented in Jira as tasks for individual test steps. For example:

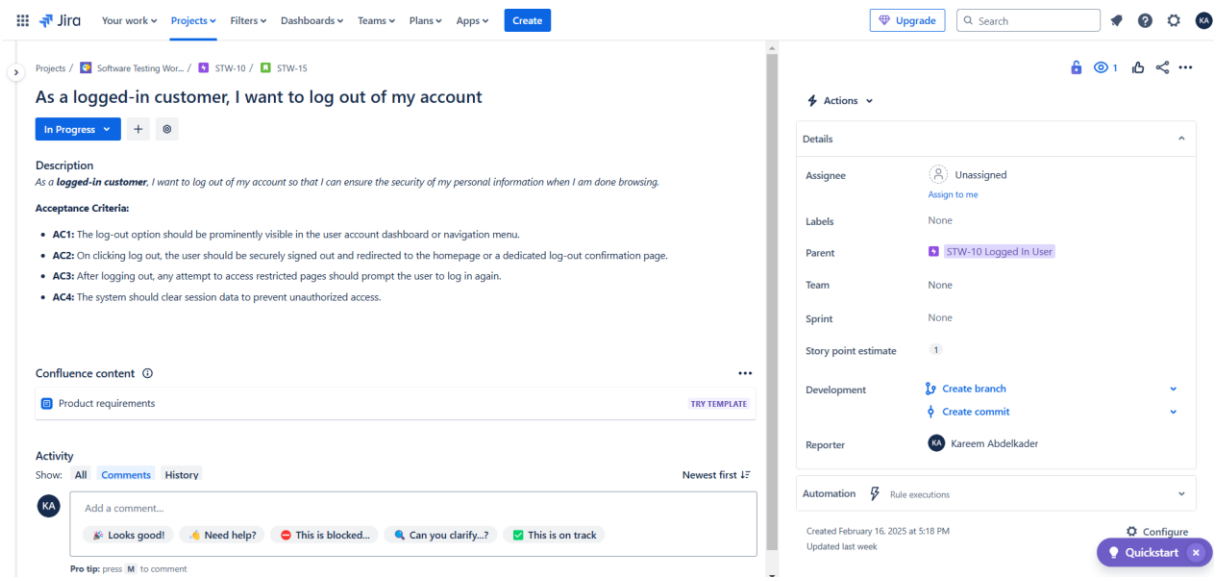
  - Registration Test Cases,
  - Login & Logout Test Cases,
  - User Account Management Test Cases,
  - Product Search,
  - Product Details Test Cases,
  - Add To Cart & Checkout Test Cases,
  - Wishlist Test Cases.

- Bug:

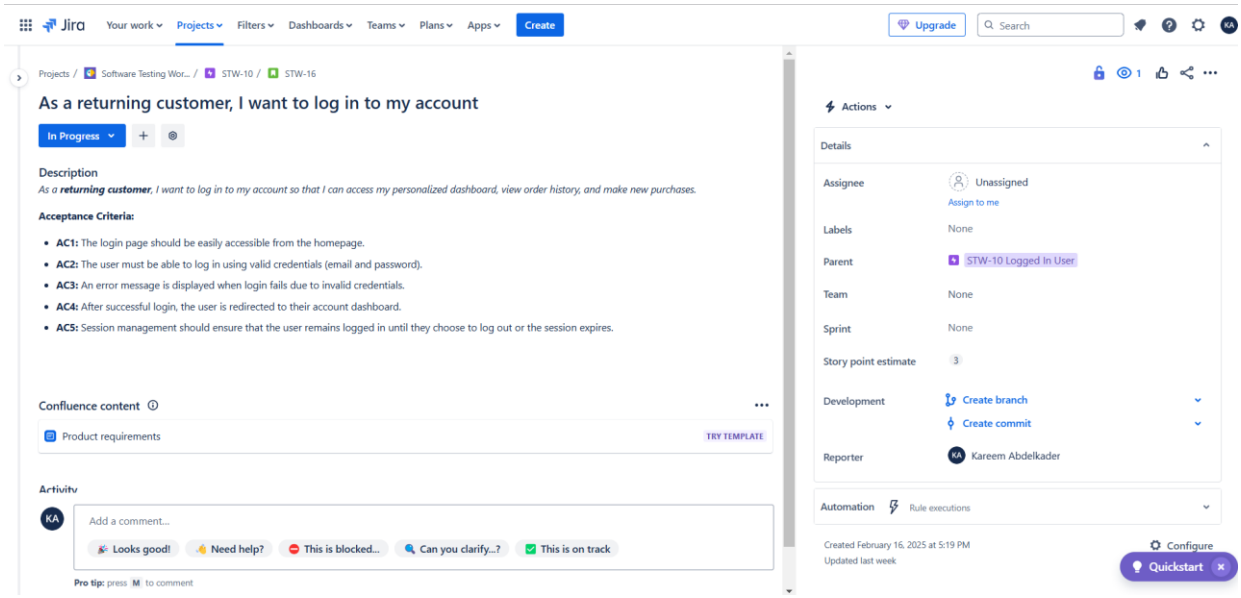
  Detailed bug reports were created for each defect and documented in Jira as issue.

6. Key Features

6.1 User Stories,



User Registration Functionality User Story



User Login Functionality User Story

Jira | Your work | Projects | Filters | Dashboards | Teams | Plans | Apps | Create | Upgrade | Search

Projects / Software Testing Wor... / STW-10 / STW-14

As a logged-in customer, I want to view and update my account information

In Progress

Description

*As a **logged-in customer**, I want to view and update my account information so that I can manage my personal details, addresses, and order history effectively.*

Acceptance Criteria:

- **AC1:** The "My Account" section should display personal details, order history, and saved addresses.
- **AC2:** Users should be able to update their personal information (e.g., name, email, password) and see a confirmation upon successful update.
- **AC3:** Any changes made should be validated and stored correctly in the database.
- **AC4:** The user should be able to view details of past orders with clear status updates.
- **AC5:** There should be options for managing communication preferences (if applicable).

Confluence content

Product requirements — TRY TEMPLATE

Activity

Add a comment...

Looks good! | Need help? | This is blocked... | Can you clarify...? | This is on track

Pro tip: press M to comment

Actions

Details

Assignee	Unassigned Assign to me
Labels	None
Parent	STW-10 Logged In User
Team	None
Sprint	None
Story point estimate	3
Development	Create branch Create commit
Reporter	Kareem Abdelkader

Automation — Rule executions

Created February 16, 2025 at 5:17 PM
Updated last week

Configure | Quickstart

User Account Functionality Management User Story

Jira | Your work | Projects | Filters | Dashboards | Teams | Plans | Apps | Create | Upgrade | Search

Projects / Software Testing Wor... / STW-10 / STW-15

As a logged-in customer, I want to log out of my account

In Progress

Description

*As a **logged-in customer**, I want to log out of my account so that I can ensure the security of my personal information when I am done browsing.*

Acceptance Criteria:

- **AC1:** The log-out option should be prominently visible in the user account dashboard or navigation menu.
- **AC2:** On clicking log out, the user should be securely signed out and redirected to the homepage or a dedicated log-out confirmation page.
- **AC3:** After logging out, any attempt to access restricted pages should prompt the user to log in again.
- **AC4:** The system should clear session data to prevent unauthorized access.

Confluence content

Product requirements — TRY TEMPLATE

Activity

Show: All | Comments | History — Newest first

Add a comment...

Looks good! | Need help? | This is blocked... | Can you clarify...? | This is on track

Pro tip: press M to comment

Actions

Details

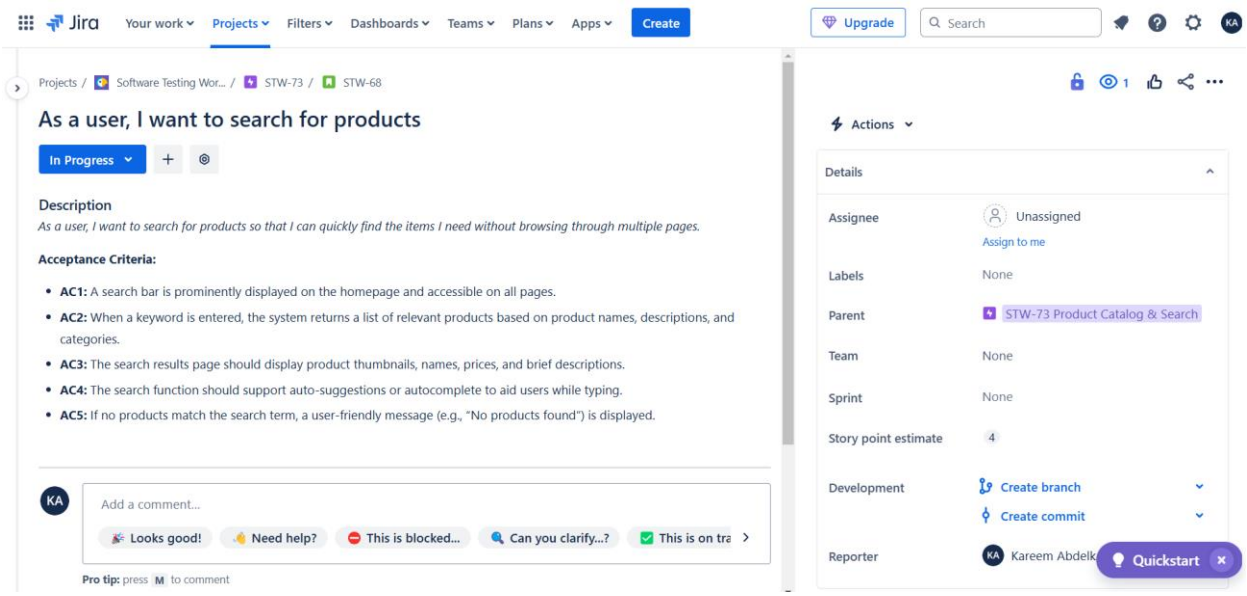
Assignee	Unassigned Assign to me
Labels	None
Parent	STW-10 Logged In User
Team	None
Sprint	None
Story point estimate	1
Development	Create branch Create commit
Reporter	Kareem Abdelkader

Automation — Rule executions

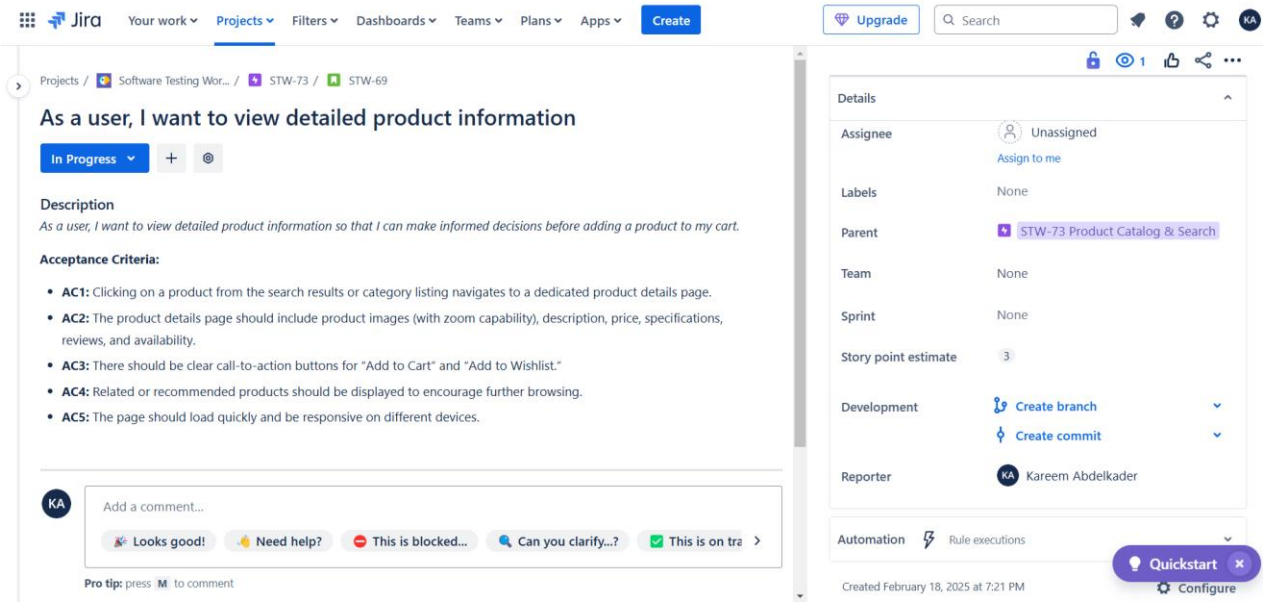
Created February 16, 2025 at 5:18 PM
Updated last week

Configure | Quickstart

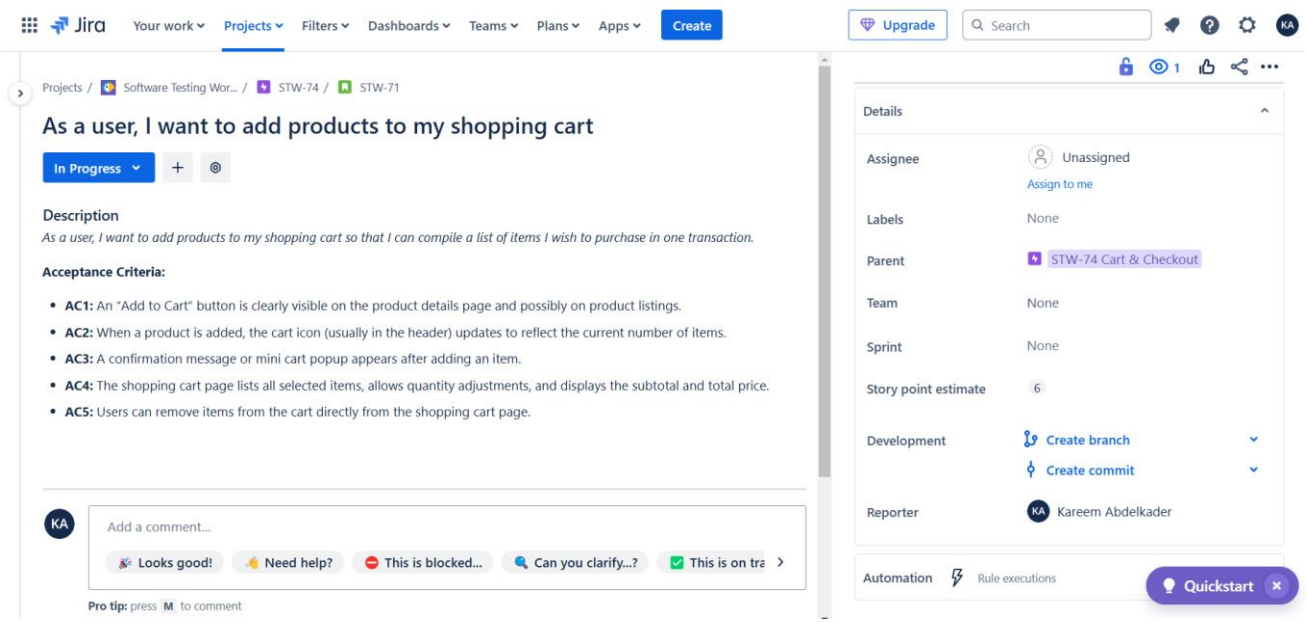
User Logout Functionality User Story



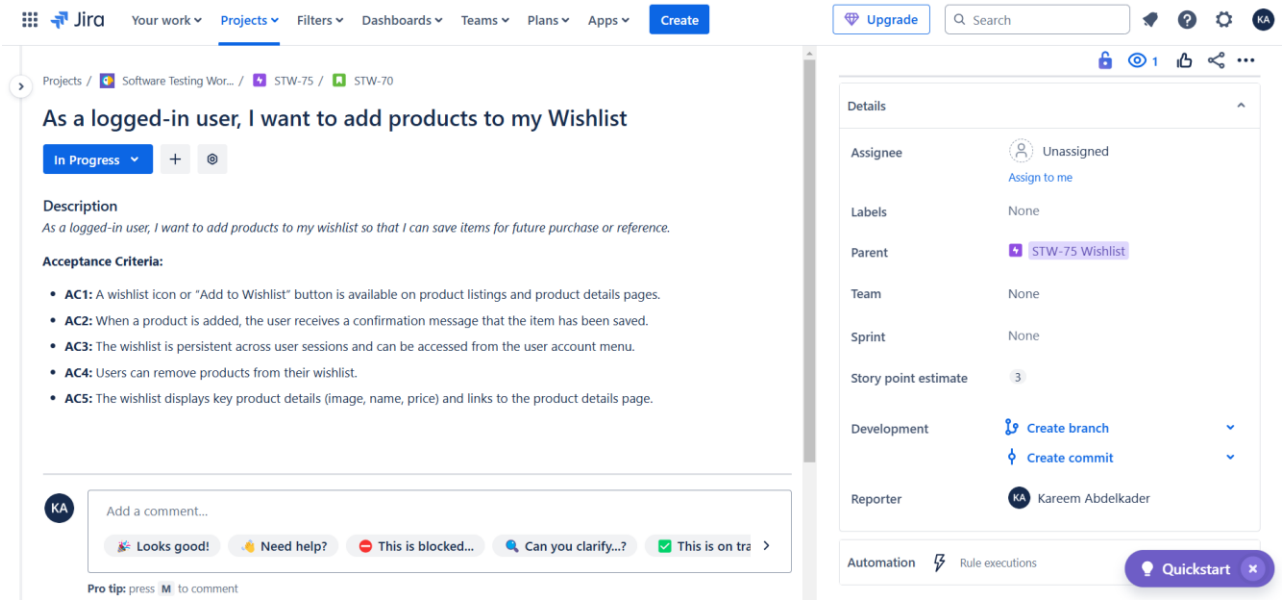
Search Functionality User Story



Product Details View User Story



Add To Cart Functionality User Story



Add To Wishlist User Story

6.2 Test Cases,

Jira | Your work | Projects | Filters | Dashboards | Teams | Plans | Apps | Create | Upgrade | Search

Projects / Software Testing Workshops

Backlog

Search | Epic 1 | Type | Clear filters | Insights | View settings

Epic
- Issues without epic
- User Registration
- Logged In User
- Product Catalog & Search
- Cart & Checkout
- Wishlist
- + Create epic

Backlog (19 of 96 issues visible) | Create sprint

Create a whiteboard to plan your work TRY

STW-13	As a new customer, I want to register an account	USER REGISTRATION	IN PROGRESS	5
STW-11	TC001_UR Verify the navigation to the registration page	USER REGISTRATION	TO DO	-
STW-12	TC002_UR Verify all UI elements in the Register page	USER REGISTRATION	TO DO	-
STW-17	TC003_UR Verify that the required fields are marked	USER REGISTRATION	TO DO	-
STW-18	TC004_UR Verify that the user can successfully register with valid credentials in all fields	USER REGISTRATION	TO DO	-
STW-19	TC005_UR Verify the registration with left unnecessary fields blank	USER REGISTRATION	TO DO	-
STW-20	TC006_UR Verify the registration with minimum characters for the first name	USER REGISTRATION	TO DO	-
STW-21	TC007_UR Verify the registration with minimum characters for the last name	USER REGISTRATION	TO DO	-
STW-22	TC008_UR Verify the registration with minimum password length	USER REGISTRATION	TO DO	-
STW-23	TC009_UR Verify the registration with maximum password length	USER REGISTRATION	TO DO	-
STW-24	TC010_UR Verify redirection to home page after successful registration	USER REGISTRATION	TO DO	-
STW-25	TC011_UR Verify that user can not register when first name field is left empty	USER REGISTRATION	TO DO	-
STW-26	TC012_UR Verify that user can not register when last name field is left empty	USER REGISTRATION	TO DO	-
STW-27	TC013_UR Verify that user can not register when email field is left empty	USER REGISTRATION	TO DO	-
STW-28	TC014_UR Verify that user can not register when provide invalid email format	USER REGISTRATION	TO DO	-
STW-30	TC015_UR Verify that user can not register when provide already registered email	USER REGISTRATION	TO DO	-
STW-31	TC016_UR Verify that user can not register when provide less than minimum digits for password	USER REGISTRATION	TO DO	-
STW-32	TC017_UR Verify that user can not register when provide more than maximum digits for password	USER REGISTRATION	TO DO	-
STW-33	TC018_UR Verify that user can not register when provide passwords do not match	USER REGISTRATION	TO DO	-

+ Create issue

Quickstart

Jira | Your work | Projects | Filters | Dashboards | Teams | Plans | Apps | Create | Upgrade | Search

Projects / Software Testing Workshops

Backlog

Search | Epic 1 | Type | Clear filters | Insights | View settings

Epic
- Issues without epic
- User Registration
- Logged In User
- Product Catalog & Search
- Cart & Checkout
- Wishlist
- + Create epic

0 of 6 issues visible | Estimate: 0 of 0

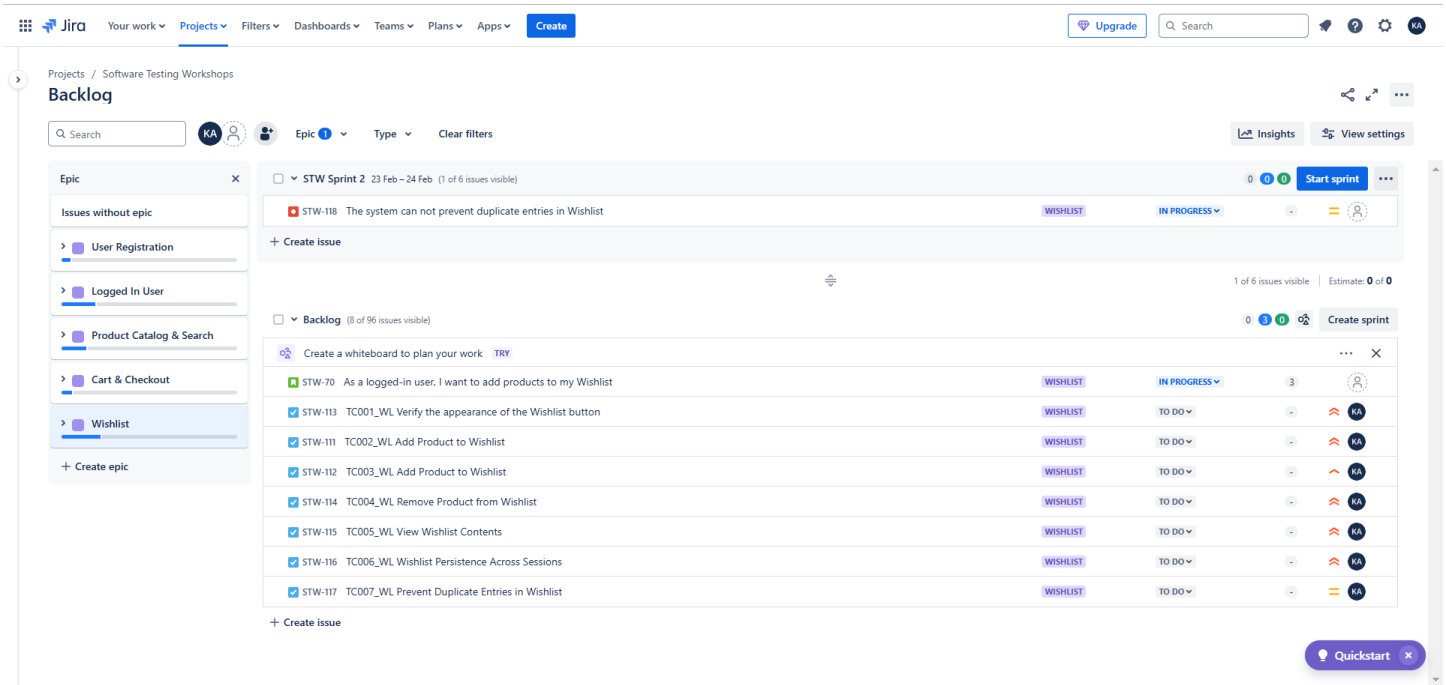
Backlog (17 of 96 issues visible) | Create sprint

Create a whiteboard to plan your work TRY

STW-71	As a user, I want to add products to my shopping cart	CART & CHECKOUT	IN PROGRESS	6
STW-95	TC001_CAC Verify the appearance of the Shopping cart to the non-logged in users	CART & CHECKOUT	TO DO	-
STW-96	TC002_CAC Verify that the "Shopping Cart" button can be pressed by the non-logged in users	CART & CHECKOUT	TO DO	-
STW-100	TC003_CAC Verify the appearance of the Shopping cart to the logged in users	CART & CHECKOUT	TO DO	-
STW-101	TC004_CAC Verify that the "Shopping Cart" button can be pressed by the logged in users	CART & CHECKOUT	TO DO	-
STW-97	TC005_CAC Verify the adding to the cart functionality	CART & CHECKOUT	TO DO	-
STW-98	TC006_CAC Verify the shopping cart page lists all selected items	CART & CHECKOUT	TO DO	-
STW-99	TC007_CAC Verify the shopping cart page allows quantity adjustments	CART & CHECKOUT	TO DO	-
STW-102	TC008_CAC Verify that user can remove items from the cart	CART & CHECKOUT	TO DO	-
STW-103	TC009_CAC Verify the estimate shipping functionality	CART & CHECKOUT	TO DO	-
STW-104	TC010_CAC Verify that user can not check out the order without agreed the T&C	CART & CHECKOUT	TO DO	-
STW-105	TC011_CAC Verify the checkout functionality with Check/Money order	CART & CHECKOUT	TO DO	-
STW-106	TC012_CAC Verify the checkout functionality with online payment method	CART & CHECKOUT	TO DO	-
STW-107	TC013_CAC Verify that user can not checkout an order with invalid credentials	CART & CHECKOUT	TO DO	-
STW-108	TC014_CAC Verify that user can not checkout an order when provide invalid card holder name	CART & CHECKOUT	TO DO	-
STW-109	TC015_CAC Verify that user can not checkout an order when provide invalid card number	CART & CHECKOUT	TO DO	-
STW-110	TC016_CAC Verify that user can not checkout an order when provide invalid card code	CART & CHECKOUT	TO DO	-

+ Create issue

Quickstart



Test Cases Management Samples

6.3 Bug Reports

Logged In User (STW-10)

[STW-64] Verify that the user can successfully log in with the Remember Me option selected Created: 18/Feb/25 Updated: 19/Feb/25

Status:	In Progress
Project:	Software Testing Workshops
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Logged In User

Type:	Bug	**Priority:**	High
Reporter:	Kareem Abdelkader	**Assignee:**	Kareem Abdelkader
Resolution:	Unresolved	**Votes:**	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Remember me function bug.mp4
Rank:	0ji00011:xi
Sprint:	STW Sprint 2
Expected Results:	User should be automatically logged in and redirected to the home page without being prompted to log in again
Steps to reproduce:	1. Enter a valid email format 2. Enter the correct password 3. Check the "Remember me" checkbox 4. Click on "Log In" button 5. Log out from the account 6. Navigate to the log in page again
Actual Results:	The user was unable to log in automatically and fills in the fields again

Description

Verify that a user who logs in with "Remember Me" checked is automatically logged in after closing and reopening the browser

Environment:

- Browser: Google Chrome Version 132.0.6834.197 (Official Build) (64-bit)
- OS: Windows 11

Generated at Thu Feb 27 11:48:08 GMT 2025 by Kareem Abdelkader using Jira 1001.0.0-SNAPSHOT#100282-rev:dfa5147da2fdf24f7b5ffd2d0a979a5d6f1362c8.

Bug Report1

Logged In User (STW-10)

[STW-65] Generic Login Error Message Doesn't Indicate Password Problem Created: 18/Feb/25 Updated: 19/Feb/25

Status:	In Progress
Project:	Software Testing Workshops
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Logged In User

Type:	Bug	**Priority:**	Medium
Reporter:	Kareem Abdelkader	**Assignee:**	Kareem Abdelkader
Resolution:	Unresolved	**Votes:**	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Unclear error message.mp4
Rank:	0ji00011:xr
Sprint:	STW Sprint 2
Expected Results:	The error message should specifically state that the password is incorrect
Steps to reproduce:	• Enter a valid email • Enter an *incorrect* password • Click the "Login" button • Observe the error message
Actual Results:	The error message is: "Login was unsuccessful. Please correct the errors and try again. No customer account found"

Description

When a user attempts to log in with a valid email but an incorrect password, the system displays a generic error message

Environment:

- Browser: Google Chrome Version 132.0.6834.197 (Official Build) (64-bit)
- OS: Windows 11

Generated at Thu Feb 27 11:50:25 GMT 2025 by Kareem Abdelkader using Jira 1001.0.0-SNAPSHOT#100282-rev:dfa5147da2fdf24f7b5ffd2d0a979a5d6f1362c8.

Bug Report2

Logged In User (STW-10)

[STW-66] The user can not reset the password when use forgot password functionality Created: 18/Feb/25 Updated: 19/Feb/25

Status:	In Progress
Project:	Software Testing Workshops
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Logged In User

Type:	Bug	**Priority:**	Highest
Reporter:	Kareem Abdelkader	**Assignee:**	Kareem Abdelkader
Resolution:	Unresolved	**Votes:**	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Rank:	0ji00011:xv
Sprint:	STW Sprint 2
Expected Results:	• User received an email with a link to reset the password • User redirected to a reset password page and can reset the password successfully • User redirected to the log in page
Steps to reproduce:	1. Navigate to the Log In page 2. Click on the "Forgot password?" button 3. Enter a valid email 4. Click on the "Recover" button 5. Open and check the Gmail inbox of the valid email
Actual Results:	No recover password email was received

Description

The user cannot reset his password through the Forgot Password function as he does not receive the email to reset the password

Environment:

- Browser: Google Chrome Version 132.0.6834.197 (Official Build) (64-bit)
- OS: Windows 11

Generated at Thu Feb 27 11:52:06 GMT 2025 by Kareem Abdelkader using Jira 1001.0.0-SNAPSHOT#100282-rev:dfa5147da2fdf24f7b5ffd2d0a979a5d6f1362c8.

Bug Report3

Logged In User (STW-10)

[STW-67] Address Form Requires Unnecessary Personal Details (First Name, Last Name, and Email) Created: 18/Feb/25 Updated: 19/Feb/25

Status:	In Progress		
Project:	Software Testing Workshops		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Logged In User		
Type:	Bug	**Priority:**	Medium
Reporter:	Kareem Abdelkader	**Assignee:**	Kareem Abdelkader
Resolution:	Unresolved	**Votes:**	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Attachments:	Add Address Form.png		
Rank:	0ji00011:xx		
Sprint:	STW Sprint 2		
Expected Results:	The address form should only contain fields directly related to address information, such as: Street Address (Line 1, Line 2 - optional), City, State/Province, Zip/Postal Code, Country.		
Steps to reproduce:	1. User Logged in 2. Navigate to the "My Account" page 3. Click on "Address" button from "My Account" list 4. Click on "Add" button 5. Redirected to the "Add new address" Page		
Actual Results:	The address form currently includes and requires fields for 'First Name,' 'Last Name,' and 'Email Address' in addition to standard address fields		

Description

Requiring these unnecessary details makes the address form longer, more cumbersome, and can lead to user frustration.

Environment:

- Browser: Google Chrome Version 132.0.6834.197 (Official Build) (64-bit)
- OS: Windows 11

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Bug Report4

Product Catalog & Search (STW-73)

[STW-78] Verify the search function for categories Created: 18/Feb/25 Updated: 27/Feb/25

Status:	In Progress		
Project:	Software Testing Workshops		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Product Catalog & Search		
Type:	Bug	**Priority:**	Highest
Reporter:	Kareem Abdelkader	**Assignee:**	Kareem Abdelkader
Resolution:	Unresolved	**Votes:**	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Attachments:	Search by category bug.mp4		
Rank:	0ji00011:xy		
Sprint:	STW Sprint 2		
Expected Results:	User will be redirected to a page with products in that category		
Steps to reproduce:	1. Open browser 2. Search for the nopCommerce website 3. Click on the nopCommerce site's home page 4. Click on the search bar 5. Enter a category name 6. Click on search button or press enter button		
Actual Results:	• A message "No products were found that matched your criteria" was displayed • User did not redirected to the category page		

Description

When the user searches for a specific category by name, he is not directed to the category page and a message is displayed saying "No products were found that matched your criteria"

Environment:

- Browser: Google Chrome Version 132.0.6834.197 (Official Build) (64-bit)
- OS: Windows 11

Generated at Thu Feb 27 11:55:47 GMT 2025 by Kareem Abdelkader using Jira 1001.0.0-SNAPSHOT#100282-rev:dfa5147da2fdf24f7b5ffd2d0a979a5d6f1362c8.

Bug Report5

Wishlist (STW-75)

[STW-118] The system can not prevent duplicate entries in Wishlist

Created: 19/Feb/25 Updated: 27/Feb/25

Status:	In Progress
Project:	Software Testing Workshops
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Wishlist

Type:	Bug	**Priority:**	Medium
Reporter:	Kareem Abdelkader	**Assignee:**	Kareem Abdelkader
Resolution:	Unresolved	**Votes:**	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Wishlist multi added.mp4
Rank:	0ji00011:xz
Sprint:	STW Sprint 2
Expected Results:	• The system should prevent adding a duplicate entry • A message or notification is displayed, and the wishlist remains unchanged
Steps to reproduce:	1. The user is logged in 2. The wishlist already contains a specific product 3. Navigate to the product detail page for the product already in the wishlist 4. Click the "Add to Wishlist" button again
Actual Results:	Item is added successfully to the Wishlist and the quantity is updated

Description

The system can not prevent duplicate entries in Wishlist

Environment:

- Browser: Google Chrome Version 132.0.6834.197 (Official Build) (64-bit)
- OS: Windows 11

Generated at Thu Feb 27 11:58:43 GMT 2025 by Kareem Abdelkader using Jira 1001.0.0-SNAPSHOT#100282-rev:dfa5147da2fdf24f7b5ffd2d0a979a5d6f1362c8.

Bug Report6

7. Test Metrics and Reporting

Test Coverage:

- Total Test Cases: 93
- Test Cases Executed: 93
- Pass Rate: 93%
- Fail Rate: 7%

FEATURE	TEST CASES	PASSED	FAILED	COVERAGE
USER REGISTRATION	18	18	0	100%
USER LOGIN	11	9	2	82%
ACCOUNT MANAGEMENT	16	15	1	94%
USER LOGOUT	2	2	0	100%
PRODUCT VIEW & SEARCH	18	17	1	94%
ADD TO CART & CHECKOUT	16	16	0	100%
ADD TO WISHLIST	7	6	1	86%

Defect Metrics:

- Bugs Reported: 6
- Critical: 1
- Major: 2
- Minor: 3

8. Conclusion

This project demonstrates my ability to plan, document, and execute manual test cases for an e-commerce platform. Using Jira to manage rapid tests, I successfully created detailed user stories, organized test cases, and ensured that the core functionality of the nopCommerce platform was fully validated. This project not only demonstrates my technical testing skills, but also demonstrates my ability to effectively manage and communicate project status.