

Critical Test Cases:

Login Functionality:

TC #1

Test Scenario ID: TS_LV_001

Test Scenario Description: Verify successful login with valid user credentials

Test Case ID: TC_LV_001

Test Case Description: Swag Labs login functionality with valid user credentials

Precondition:

1. User has opened Swag Labs on the browser
2. User has navigated to Swag Labs URL

Test data:

1. Username: standard_user
2. Password: secret_sauce

Steps to reproduce:

1. Enter valid Username
2. Enter valid Password
3. Click on Login button

Expected Result:

User should be able to click on login button and navigate to the Inventory page

Priority: High

Explanation: If the system does not allow login with valid user credentials, then it needs to be fixed immediately because without login user cannot perform any other work in the website.

TC #2

Test Scenario ID: TS_LI_001

Test Scenario Description: Verify error message displayed with invalid user credentials

Test Case ID: TC_LI_001

Test Case Description: Swag Labs login functionality with invalid user credentials

Precondition:

1. User has opened Swag Labs on the browser
2. User has navigated to Swag Labs URL

Test data:

1. Username: invalid username
2. Password: invalid password

Steps to reproduce:

1. Enter invalid Username
2. Enter invalid Password
3. Click on Login button

Expected Result:

System should display an error message as below with close symbol (Red colour background and white font colour):

Epic sadface: Username and password do not match any user in this service

Priority: High

Explanation: If system allows login users with invalid credentials, then the security rules of the website is violated. If all the invalid users are logged in then they simply create more traffic in the network which results in the slow performance. This slow performance will affect genuinely accepted users. If they are affected then they may think this website is very slow and cannot shop further which results in the drop of profit revenue of the website.

Login Functionality in mobile devices both android and IOS:

TC #3

Test Scenario ID: TS_LM_001

Test Scenario Description: Verify successful login with valid user credentials

Test Case ID: TC_LM_001

Test Case Description: Swag Labs login functionality with valid user credentials

Precondition:

1. User has opened Swag Labs on the browser
2. User has navigated to Swag Labs URL

Test data:

1. Username: standard_user
2. Password: secret_sauce

Steps to reproduce:

1. Enter valid Username
2. Enter valid Password
3. Click on Login button

Expected Result:

User should be able to click on login button and navigate to the Inventory page while using mobile devices both Android and IOS

Priority: High

Explanation: These days most of the user uses mobile device for online shopping and if website doesn't support this then those users who uses mobile cannot access the website.

Home Page should be loaded using different browser:

TC #4

Test Scenario ID: TS_HP_001

Test Scenario Description: Verify that the homepage loads successfully in different browsers

Test Case ID: TC_HP_001

Test Case Description: Verify that the homepage loads successfully in all the web browsers like Google chrome, Mozilla Firefox, Opera, Safari, Microsoft edge

Precondition:

User should have web browsers like Google chrome, Mozilla Firefox, Opera, Safari, Microsoft edge installed in the system

Test data:

URL of the website

Steps to reproduce:

1. Open any required web browser Google chrome, Mozilla Firefox, Opera, Safari, Microsoft edge
2. Enter URL of the website

Expected Result:

Home Page of the website should be displayed successfully in any of the web browser used

Priority: High

Explanation: Different users utilize different browsers. Cross browsing testing is important in ecommerce website.

TC #5

Test Scenario ID: TS_IN_001

Test Scenario Description: Verify all the options available in the Inventory page

Test Case ID: TC_IN_005

Test Case Description: Verify sort functionality displayed in Inventory page

Precondition:

1. User has opened Swag Labs on the browser

2. User has navigated to Swag Labs URL

Test data:

1. Username: standard_user
2. Password: secret_sauce

Steps to reproduce:

1. Enter valid Username
2. Enter valid Password
3. Click on Login button
4. Click on Filter/Sort dropdown
5. Select required value from the dropdown

Expected Result:

1. System should display "Name (A to Z)" as the default value of the Filter/Sort dropdown
2. Filter/Sort dropdown should have 4 values like "Name (A to Z)", "Name (Z to A)", Price (low to high) and Price (high to low)
3. When "Name (A to Z)" value is selected, system should sort products as per ascending alphabetical order
4. When "Name (Z to A)" value is selected, system should sort products as per descending alphabetical order
5. When "Price (low to high)" value is selected, system should sort products as per increasing price value
6. When "Price (high to low)" value is selected, system should sort products as per decreasing price value

Priority: Medium

Explanation: User should not find difficulty in sorting products as required. If user does not like the sorting functionality, then user may feel this website is not working and have no interest in continuing shopping.

Add to Cart functionality with Multiple cart items:

TC #6

Test Scenario ID: TS_IN_001

Test Scenario Description: Verify all the options available in the Inventory page

Test Case ID: TC_IN_006

Test Case Description: Verify user able to add multiple products or all the products in to the cart

Precondition:

1. User has opened Swag Labs on the browser

2. User has navigated to Swag Labs URL

Test data:

1. Username: standard_user
2. Password: secret_sauce

Steps to reproduce:

1. Enter valid Username
2. Enter valid Password
3. Click on Login button
4. Click on Add to cart button of all the products displayed

Expected Result:

System should allow user to add all the items into the cart

Priority: High

Explanation: Any discrepancy in adding multiple cart items leads to critical issue since it is an important business requirement. If the user cannot add available items into the cart then there is no point in continuing online shopping as per user perspective.

Checkout Functionality:

TC #7

Test Scenario ID: TS_YC_001

Test Scenario Description: Verify all the options available in the Your Cart page

Test Case ID: TC_YC_003

Test Case Description: Verify that the user is able to click on Checkout button

Precondition:

1. User has opened Swag Labs on the browser
2. User has navigated to Swag Labs URL

Test data:

1. Username: standard_user
2. Password: secret_sauce

Steps to reproduce:

1. Enter valid Username
2. Enter valid Password
3. Click on Login button

4. Click on Add to cart button
5. Click on Cart icon
6. Click on Checkout button

Expected Result:

System should display "Checkout: Your Information" page

Priority: High

Explanation: Without Checkout functionality, user cannot enter shipping information details which is a major workflow in an ecommerce website

Test case to enter all the mandatory details in Your Information page:

TC #8

Test Scenario ID: TS_CY_001

Test Scenario Description: Verify all the options available in the Checkout: Your Information page

Test Case ID: TC_CY_001

Test Case Description: Verify that First Name, Last Name and Zip/Postal Code all 3 are mandatory fields

Precondition:

1. User has opened Swag Labs on the browser
2. User has navigated to Swag Labs URL

Test data:

1. Username: standard_user
2. Password: secret_sauce

Steps to reproduce:

1. Enter valid Username
2. Enter valid Password
3. Click on Login button
4. Click on Add to cart button
5. Click on Cart icon
6. Click on Checkout button
7. Verify Page title
8. Do not enter any values in First Name, Last Name and Zip/Postal Code fields
9. Click on Continue button

Expected Result:

1. System should display page title as Checkout: Your Information
2. System should display below error message along with close symbol:

Error: First Name is required

Post condition:

System should be able to close error message upon clicking close symbol

Priority: High

Explanation: Without proper shipping information it is impossible to deliver products to the customer/user

Testing End to end major functionality:**TC #9**

Test Scenario ID: TS_CO_001

Test Scenario Description: Verify all the options available in the "Checkout: Overview" page

Test Case ID: TC_CO_002

Test Case Description: Verify Finish button functionality

Precondition:

1. User has opened Swag Labs on the browser
2. User has navigated to Swag Labs URL

Test data:

1. Username: standard_user
2. Password: secret_sauce

Steps to reproduce:

1. Enter valid Username
2. Enter valid Password
3. Click on Login button
4. Click on Add to cart button
5. Click on Cart icon
6. Click on Checkout button
7. Enter First Name, Last Name and Zip/Postal Code
8. Click on Continue button
9. Verify Page Title and all the displayed details

10. Click on Finish button

Expected Result:

1. System should navigate to Checkout: Complete! Page
2. System should display successful message which includes a green colour tick mark and says as below:

Thank you for your order!

Your order has been dispatched, and will arrive just as fast as the pony can get there!

3. "Back Home" button should be displayed
4. Cart icon should be cleared

Priority: High

Explanation: User should be able to finish all the process to ensure smooth website operation which increases profit revenue of the shopping site.

Logout Functionality:

TC #10

Test Scenario ID: TS_LO_001

Test Scenario Description: Verify that system saves the added cart items even after user logs out successfully

Test Case ID: TC_LO_001

Test Case Description: Ensure that system saves the cart items even after successful log out from Inventory Page

Precondition:

1. User has opened Swag Labs on the browser
2. User has navigated to Swag Labs URL

Test data:

1. Username: standard_user
2. Password: secret_sauce

Steps to reproduce:

1. Enter valid Username
2. Enter valid Password
3. Click on Login button
4. Click on Add to cart button
5. Click on Add to cart button to add another product into the cart
6. Click on Hamburger icon

7. Click on Logout menu
8. Enter Username and Password
9. Click on Login button
10. Verify and click on Cart icon

Expected Result:

System should display previously added cart items along with QTY and Description

Priority: Medium

Explanation: Sometimes user will add items to the cart and logs out without completing all the process. System should display previously added cart items along with QTY and Description so that user finds it easy to place an order upon next login.

Logout functionality with no products in the cart:

TC #11

Test Scenario ID: TS_LO_001

Test Scenario Description: Verify the successful Logout from all the pages

Test Case ID: TC_LO_001

Test Case Description: Ensure that system logs out successfully from Inventory Page

Precondition:

User should be in the Inventory Page

Steps to reproduce:

1. Click on Hamburger icon
2. Click on Logout menu

Expected Result:

User should be logged out from the website successfully

Priority: High

Explanation: If the system does not allow user to logout successfully then user may feel this website is not secure and thinks not use this website in future.

Login Functionality with different user types:

TC #12

Ensure that system allows login different user types having different issues. And also displays an error message wherever applicable.

Priority: High

Explanation: Real time user will be having different login issues and those issues should be handled effectively by displaying an error message wherever applicable.

Response times of all the pages:

TC #13

Ensure that system displays all the pages of the website is very fast

Priority: High

Explanation: Response time of all the pages of the website should be very fast. Because no user will like to shop using a website which is very slow and it leads to no shopping of any product which will eventually decrease profit revenue of the shopping website.