

Test Case ID	Test Case Description	Preconditions	Test Steps	Expected Result	Pass Criteria	Fail Criteria
TC_001_Valid_Login	Verify login functionality for valid user "standard_user"	User must be registered with the username "standard_user" and password "secret_sauce"	1. Navigate to the base URL 2. Enter the username "standard_user" and password "secret_sauce" 3. Click on the login button 4. Verify that the current URL is the base URL	User is redirected to the inventory page	If the current URL matches the expected URL	If the current URL does not match the expected URL
TC_002_Invalid_Username	Verify that an invalid username results in the appropriate error message	User is not registered with the username standad_usr	1. Navigate to the base URL 2. Enter invalid username and password "secret_sauce" 3. Click on the login button 4. Verify that the error message is displayed	The error message indicates incorrect credentials	If the error message matches the expected error message	If the error message does not match
TC_003_Invalid_Password	Verify that an invalid password results in the appropriate error message	User is registered with the username standard_user but not with a wrong password secrt_suce	1. Navigate to the base URL 2. Enter the username "standard_user" and password "secrt_suce" 3. Click on the login button 4. Verify that the error message is displayed	The error message indicates incorrect password	If the error message matches the expected error message	If the error message does not match
TC_004_Locked_Out_User	Verify that attempting to log in with a locked-out user (locked_out_user) results in the appropriate error message	User is registered with the username locked_out_user and password secret_sauce, but the account is locked	1. Navigate to the base URL 2. Enter the username "locked_out_user " and password "secret_sauce" 3. Click on the login button 4. Verify that the error message is displayed	The error message indicates that the account is locked	If the error message matches the expected error message	If the error message does not match
TC_005_No_Username	Verify that attempting to log in without a username results in the appropriate error message	The username field is left empty	1. Navigate to the base URL 2. Leave the username field empty and enter the password secret_sauce 3. Click on the login button 4. Verify that the error message is displayed	The error message indicates that the username is required	If the error message matches the expected error message	If the error message does not match
TC_006_No_Password	Verify that attempting to log in without a password results in the appropriate error message	The password field is left empty	1. Navigate to the base URL 2. Enter the username standard_user and leave the password field empty 3. Click on the login button 4. Verify that the error message is displayed	The error message indicates that the password is required	If the error message matches the expected error message	If the error message does not match
TC_001_Add_Single_Item_To_Cart	Validate that adding a single item to the cart updates the cart count correctly	User is logged in with valid credentials (standard_user, secret_sauce)	1. Navigate to the base URL 2. Log in using valid credentials 3. Add a single item to the cart. 4. Verify that the cart count increases to 1	The cart count should show exactly 1 item	Cart count is updated to 1 item	Cart count does not match the expected value (1 item)
TC_002_Add_Multiple_Items_To_Cart	Validate that adding multiple items to the cart updates the cart count correctly	User is logged in with valid credentials	1. Navigate to the base URL 2. Log in using valid credentials 3. Add multiple items (3 items) to the cart 4. Verify that the cart count matches the number of items added (3)	The cart count should show exactly 3 items	Cart count is updated to 3 items	Cart count does not match the expected value (3 items)
TC_003_Remove_Item_From_Cart	Validate that removing an item from the cart decreases the cart count correctly	User is logged in with valid credentials	1. Navigate to the base URL 2. Log in using valid credentials 3. Add a product to the cart 4. Remove the product from the cart 5. Verify that the cart count decreases by 1	The cart count should decrease by 1 after removing an item	Cart count decreases by 1 after item removal	Cart count does not reflect the correct number after removal
TC_004_Validate_Product_Details	Validate that the correct product details are displayed on the product details page	User is logged in with valid credentials	1. Navigate to the base URL 2. Log in using valid credentials 3. Select a product from the product listing page 4. Verify that the product name on the details page matches the product name from the listing	The product name on the product details page should match the name on the listing page	The product name is the same on both the product listing and details page	The product name does not match between the product listing and details page
TC_001_Price_Sorting_Low_To_High	Validate that products are sorted by price in ascending order (Low to High)	User is logged in with valid credentials	1. Navigate to the base URL 2. Log in using valid credentials 3. Select the sorting option for price (Low to High) 4. Validate that the product prices are sorted in ascending order	Product prices should be sorted from low to high	Product prices are sorted in ascending order	Product prices are not sorted as expected (Low to High)
TC_002_Price_Sorting_High_To_Low	Validate that products are sorted by price in descending order (High to Low)	User is logged in with valid credentials	1. Navigate to the base URL 2. Log in using valid credentials 3. Select the sorting option for price (High to Low) 4. Validate that the product prices are sorted in descending order	Product prices should be sorted from high to low	Product prices are sorted in descending order	Product prices are not sorted as expected (High to Low)

TC_003_Name_Sorting_Z_To_A	Validate that products are sorted by name in descending order (Z to A)	User is logged in with valid credentials	1. Navigate to the base URL 2. Log in using valid credentials 3. Select the sorting option for name (Z to A) 4. Validate that the product names are sorted in descending order	Product names should be sorted from Z to A	Product prices are sorted in descending order	Product names are not sorted as expected (Z to A)
TC_004_Name_Sorting_A_To_Z	Validate that products are sorted by name in ascending order (A to Z)	User is logged in with valid credentials	1. Navigate to the base URL 2. Log in using valid credentials 3. Select the sorting option for name (A to Z) 4. Validate that the product names are sorted in ascending order	Product names should be sorted from A to Z	Product names are sorted in ascending order	Product names are not sorted as expected (A to Z)
TC_001_View_Cart	Validate that a product added to the cart is visible in the cart page	User is logged in with valid credentials	1. Navigate to the base URL 2. Log in using valid credentials 3. Select a random product and add it to the cart 4. Navigate to the shopping cart 5. Validate that the product is present in the cart	The product added to the cart should be visible in the cart page	Product name from the product page is found in the cart page	Product name is not found in the cart page
TC_002_Remove_Item_From_Cart	Validate that an item can be removed from the cart and the cart is empty after removal	1. User is logged in with valid credentials 2. A product is added to the cart	1. Navigate to the base URL 2. Log in using valid credentials 3. Select a random product and add it to the cart 4. Navigate to the shopping cart 5. Remove the item from the cart 6. Verify that the cart is empty after the removal	The cart should be empty after the product is removed	Cart should be empty, with no items left	Cart still contains items after removal
TC_003_Invalid_Checkout_Info	Validate that an error message is displayed when required checkout fields are left empty	1. User is logged in with valid credentials 2. A product is added to the cart	1. Navigate to the base URL 2. Log in using valid credentials 3. Add a product to the cart 4. Navigate to the cart and click the checkout button 5. Enter invalid checkout information 6. Verify that the appropriate error message is shown	Appropriate error message for the missing field should be shown	The correct error message for missing information is displayed	Incorrect or no error message is displayed
TC_004_Successful_Checkout	Validate that a purchase is successfully completed when valid checkout information is provided	1. User is logged in with valid credentials 2. A product is added to the cart	1. Navigate to the base URL 2. Log in using valid credentials 3. Add a product to the cart 4. Navigate to the cart and click the checkout button 5. Enter valid checkout information 6. Complete the checkout and verify the confirmation message	A confirmation message should appear saying "Thank you for your order!"	The confirmation message is displayed	The confirmation message is not displayed