Version:0.1 Date:..4th April 2024.

**TEST PLAN**

**Project name:** Sauce Demo

**Project description:** Sauce demo is an e-commerce website for online product sale. It provides the user with a catalogue of different products available for purchase in the store. In order to facilitate online purchase a shopping cart is provided to the user.

**Test scope:**

* **Login Functionality**: Validate the application's ability to manage user logins.
* **Sorting Functionality**: Test the product sorting feature, ensuring products can be sorted accurately according to different criteria (e.g., price, name).
* **Shopping Cart Functionality**: Evaluate the shopping cart's operations, including adding and removing products, updating quantities, and ensuring accurate pricing and totals.

**Test objectives:**

* **Login functionality:** Verify successful login with valid credentials and handling of invalid login attempts, such as incorrect passwords or locked user accounts.
* **Sorting functionality:** Assess the feature's reliability and responsiveness, confirming that products are displayed in the correct order for each selected sort option.
* **Shopping cart functionality:** Verify the seamless transition from adding items to the cart through to the checkout process.

**Test environment:**

* Hardware: Windows machine
* Software: Visual studio code, Cypress, Browser
* Communication: N/A
* Required data: User credentials
* Other:

**Test strategy and approach:**

* **Login functionality:**
  1. Validate error messages for mandatory fields for login
  2. Verify Invalid credentials for Login
  3. Verify valid credentials for login
* **Sorting functionality:**
  1. Verify sorting with Name (A to Z)
  2. Verify sorting with Name (Z to A)
  3. Verify sorting with Price (Low to High)
  4. Verify sorting with Price (High to Low)
* **Shopping cart functionality:** 
  1. Add Items in to Cart and Verify entire check out cart flow with placing order
  2. Add Items in to cart
  3. Remove Item from the cart

Test cases list:

| ID | Test suite / scenario | Test case title | Test case description |
| --- | --- | --- | --- |
| 1 | Login | Check user name required message | Verify “User name is required” message in the screen while trying to login without entering user name value |
| 2 | Login | Check password required message | Verify “Password is required” message in the screen while trying to login without entering password value |
| 3 | Login | Check Invalid username | Verify “Username and password do not match any user in this service” message in the screen when trying to login with Invalid username |
| 4 | Login | Check Invalid password | Verify “Username and password do not match any user in this service” message in the screen when trying to login with Invalid Password |
| 5 | Login | Validate success login | Verify user able to login successfully when entering correct username and password and land on to Product list page |
| 6 | Sorting functionality | Validate sorting with parameter Name (A to Z) | Verify user able to sort the product list based on product name sorting with A to Z by choosing Name (A to Z) option from dropdown |
| 7 | Sorting functionality | Validate sorting with parameter Name ( Z to A) | Verify user able to sort the product list based on product name sorting with Z to A by choosing Name (Z to A) option from dropdown |
| 8 | Sorting functionality | Validate sorting with parameter Price (Low to High) | Verify user able to sort the product list based on product price sorting with Low to High by choosing Price (Low to High) option from dropdown |
| 9 | Sorting functionality | Validate sorting with parameter Price (High to Low) | Verify user able to sort the product list based on product price sorting with High to Low by choosing Price (High to Low) option from dropdown |
| 10 | Cart functionality | Validate adding items in to cart | Verify user able to add multiple items in to cart by clicking on add to cart button from screen and cart showing total number of Items added |
| 11 | Cart functionality | Validate removing items from cart | Verify user able to remove item from the cart by clicking remove button from the screen and cart showing total number of items left |
| 12 | Checkout functionality | Validate Checkout functionality and place order | Verify user able to add items in to cart and clicking on checkout, by adding personal details user able to place an order |

**Test execution schedule:** Once every day

**Defect reporting and tracking:**