User story

Cart Functionality .

Acceptance Criteria :

- As a client user, I can add valid products from the Products page to the cart.

- The cart icon dynamically updates to reflect the total number of unique items.

- Each product in the cart must display correct **name, description, price, and quantity** .

- The cart must allow users to **remove items** , updating the cart count accordingly.

- Buttons within the cart must work as expected:

    o **Continue Shopping** → Redirects to Products page.

    o **Checkout** → Redirects to Checkout Information page.

- If the cart is empty, the cart page must display a **clear empty state message** .

- After completing checkout, the cart must reset to **empty**.

Prerequisites:

- The user has successfully logged in with valid credentials.

- The Swag Labs website is accessible via a supported browser.

- Internet connection is enabled

Behavior Cases:

- **Add Product** → Item is added to the cart, cart icon updates accordingly.

- **Add Multiple Different Products** → All products appear in the cart, and count matches total.

- **Add Same Product Twice** → Product quantity remains **1** (duplicate not allowed).

- **Remove Product** → Product is removed from the cart, and count decreases.

- **Remove All Products** → Cart becomes empty, cart icon resets.

- **Checkout Clicked with Items** → Redirect to Checkout Information page.

- **Checkout Clicked with Empty Cart** → Should not proceed, stay on cart page.

- **Logout and Login Again** → Cart must reset (empty).

Input Validation (extra criteria):

- Cart icon should not allow negative or invalid values.

- Cart count should always match the actual number of items displayed.

- Product details (price, name, description) in the cart must match the dataset from Products page.

Allowed Products (Sample Dataset):

- Sauce Labs Backpack – $29.99

- Sauce Labs Bike Light – $9.99

- Sauce Labs Bolt T-Shirt – $15.99

- Sauce Labs Fleece Jacket – $49.99

- Sauce Labs Onesie – $7.99

(All products use the same system-defined dataset from Swag Labs demo.)

UI Requirements :

- **Cart Icon** : Always visible in the header, updates dynamically.

- **Cart Page Layout** : Displays product name, description, price, and quantity in rows.

- **Remove Button** : Displayed beside each product, functional.

- **Continue Shopping Button** : Visible and redirects to Products page.

- **Checkout Button** : Visible and redirects to Checkout Information page.

- **Empty Cart State** : Clear message (e.g., "Your cart is empty").

User Stories:

- **Add to Cart**
  As a client user, I want to add products to the cart so that I can purchase them later.

- **Cart Icon**
  As a client user, I want the cart icon to update dynamically so I know how many items I've selected.

- **Remove from Cart**
  As a client user, I want to remove products from the cart so that I can adjust my selection before checkout.

- **Cart Page**
  As a client user, I want to view my selected products with accurate details so that I can confirm before purchase.

- **Checkout Flow**
  As a client user, I want to proceed to checkout from the cart so that I can complete my order.

Expected Results :

- A user who adds products sees them correctly listed in the cart with accurate details.

- The cart icon always shows the correct count.

- Removing items dynamically updates the cart content and icon.

- Empty cart shows a clear message instead of product listings.

- Checkout button takes the user to the Checkout Information page only if there are products in the cart.

- After completing checkout, the cart resets to empty.

Dependencies :

- **User Authentication** : Only authenticated users can access the cart.

- **Products Dataset** : Cart retrieves product info from the pre-defined dataset.

- **Checkout Module** : Cart must integrate with checkout flow.

- **Browser Compatibility** : Cart page must function correctly across Chrome, Firefox, Edge, Safari.

- **Session Handling** : Cart must reset after logout or checkout completion.