# Saucedemo test plan

## UI tests (each test to be executed on desktop, mobile and table including portrait and landscape mode)

### Login

1. Page correct display and fit the screen, including header and footer (images, text, buttons and colors)
2. Fields properly display and fit the page
3. Fields allow data to be inserted
4. Error display on submitting wrong input field data
5. Error display on submitting empty input field data

### Inventory page

1. Page correct display and fit the screen, including header and footer (images, text, prices, icons, buttons and colors)
2. Clickable icons are indicated by a mouseover.
3. "Add to cart" button status change
4. "Add to cart" button action add a news dot to the cart icon
5. "Remove" button status change
6. Alphabetical and price filters display the items accordingly.
7. Click on the item's name redirects to the item page
8. Proper error page is displayed if an item is not found
9. Click on the item's image redirects to the item page
10. Hamburger menu visibility and clickability

### Menu

1. All items click redirects to the inventory page
2. "About" page redirects to https://saucelabs.com/
3. Reset App State to remove the items from the cart and set the buttons to "Add to cart"
4. Logout ends the user's session

### Cart

1. Page correctly display when not element have been added

2. Page correctly display and fit the screen, including header and footer (images, text, prices, icons, buttons and colors)
3. Click on the item's name redirects to the item page
4. "Remove" button delete the full element box from the page
5. "Continue Shopping" redirects to the inventory page
6. "Checkout" button redirects to the checkout page
7. "Checkout" button does not redirects to the checkout step 1 if there are not elements in the cart
8. Quantity field does not allow modification

## Checkout step 1

1. Page correct display and fit the screen, including header and footer (text, icons, buttons and colors)
2. Each input field has a proper description
3. Input field min requirements specification (max length , special characters acceptance)
4. Error visibility on invalid data
5. Data type validation on First Name field
6. Data type validation on Last Name field
7. Data type validation on Zip/Postal Code field
8. "Continue" button redirects to the checkout step 2
9. "Continue" button doesn't redirects to the checkout step 2 if there are not items in the cart
10. "Cancel" button redirects to the user's cart

## Checkout step 2

1. Page properly display, including header and footer (text, prices, icons, buttons and colors)
2. Click on "Cancel " button redirects to Inventory page
3. Click on "Finish" button redirects to checkout complete page

## Checkout complete page

1. Page properly display, including header and footer (text, icons, buttons)
2. "Back Home" button redirects to inventory page

# Backend tests

## Login

1. Log in with valid username and valid password
2. Log in with valid username and valid password but locked out user

3. Log in with valid username and wrong password
4. Log in with an invalid username and valid password
5. Log in with an invalid username and invalid password
6. Log in with empty username and valid password
7. Log in with valid username and empty password
8. User session expiring time

## Inventory page

1. "Add to cart" and "Remove" button action properly add the elements in the cart
2. "Add to cart" and "Remove" button action properly count the elements in the cart icon
3. Added elements are showing inside cart page
4. Click on the item's name or image fetches the item by its id

## Cart

1. Accessing and/or leaving the cart page keeps the added items
2. Logging in and out keep the already added items
3. "Remove" button will delete the element from the cart and set it as available in the inventory page
4. "Checkout" button action verify if the quantity of elements in the cart is not empty or will trigger an error accordingly

## Checkout step 1

1. Data submit validation such a data type or max data length allowed
2. All fields are required and processed accordingly
3. This page is not displayed if the cart is empty

## Checkout step 2

1. Total amount is properly calculated
2. User's payment and address information properly retrieved
3. "Cancel " button action does not delete the user's item selections
4. "Finish" button action show the purchase as completed in database
5. Element's quantity is updated in database