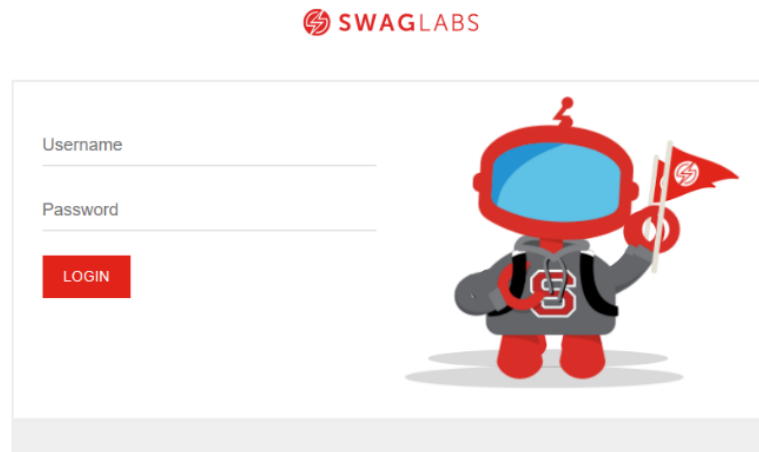


FUNCTIONAL REQUIREMENTS SPECIFICATION



Project Name :

SWAG LABS (E-commerce website)

URL: <https://www.saucedemo.com>

Prepared By : NITESH KUMAR

Email: Niesh03kumar01@gmail.com

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Overview

The Inventory Page serves as the main product catalog for the Swag Labs e-commerce platform. It displays a list of available products, allowing users to view product details, add items to their shopping cart, and navigate to other sections of the application.

Requirements

SWAG Labs requires certain technical requirements to be met for the store to operate properly. First, a web server must be created to make the SWAG labs publicly available on the web. Domain names and hosting services can easily be purchased for an affordable price.

When selecting a hosting service, you should check to see that these server requirements are provided and installed on their web servers.

Navigating the shop

The SWAG Labs store default theme makes navigating a shop's products easily accessible to its customers.

Login Page

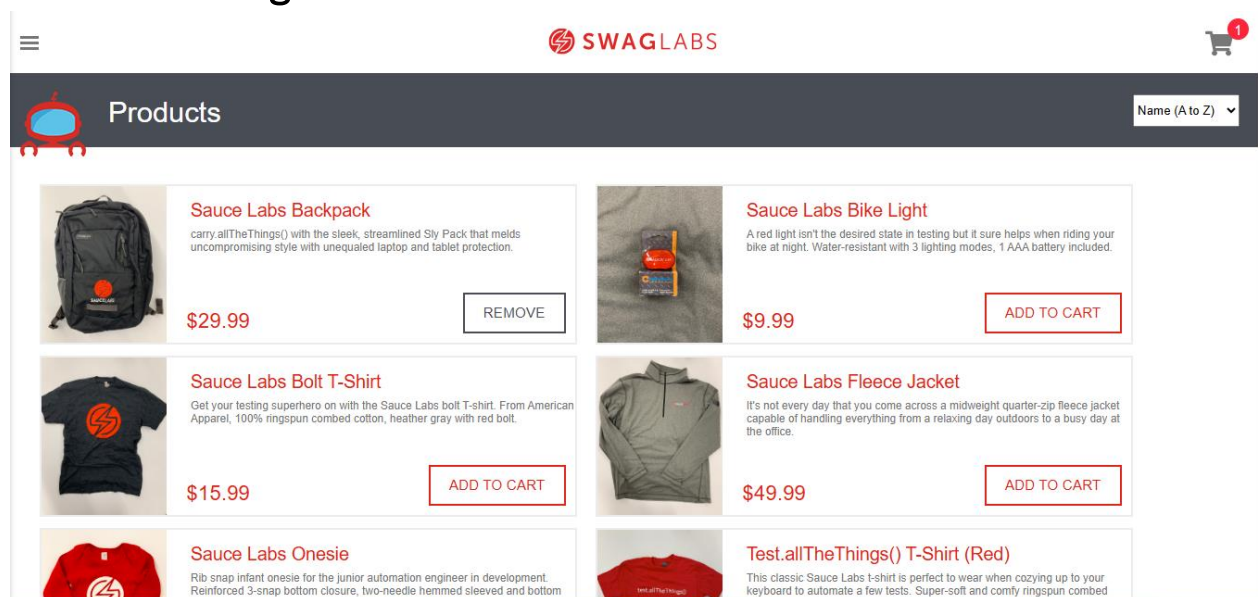
A login page for Swag Labs. On the left, there are two input fields labeled 'Username' and 'Password'. Below the 'Password' field is a red button with the word 'LOGIN' in white. To the right of the input fields is a cartoon illustration of a character wearing a red helmet with a blue visor, a grey jacket with a red 'S' on the chest, and red pants. The character is holding a red flag with a white 'S' on it. The entire login form is enclosed in a light gray border.

Restrict access to the Inventory Page to authenticated users only. Unauthenticated users attempting to access this page should be redirected to the login page.

Implement session timeout functionality, logging out users after a period of inactivity and redirecting them to the login page.

Functional Requirement

Product Listing



Display all available products in a grid layout, each showing:

- *Product Image
- *Product Name
- *Product Description
- *Product Price
- *"Add to Cart"

Ensure that each product's information is accurately retrieved from the backend database.

Add to Cart Functionality

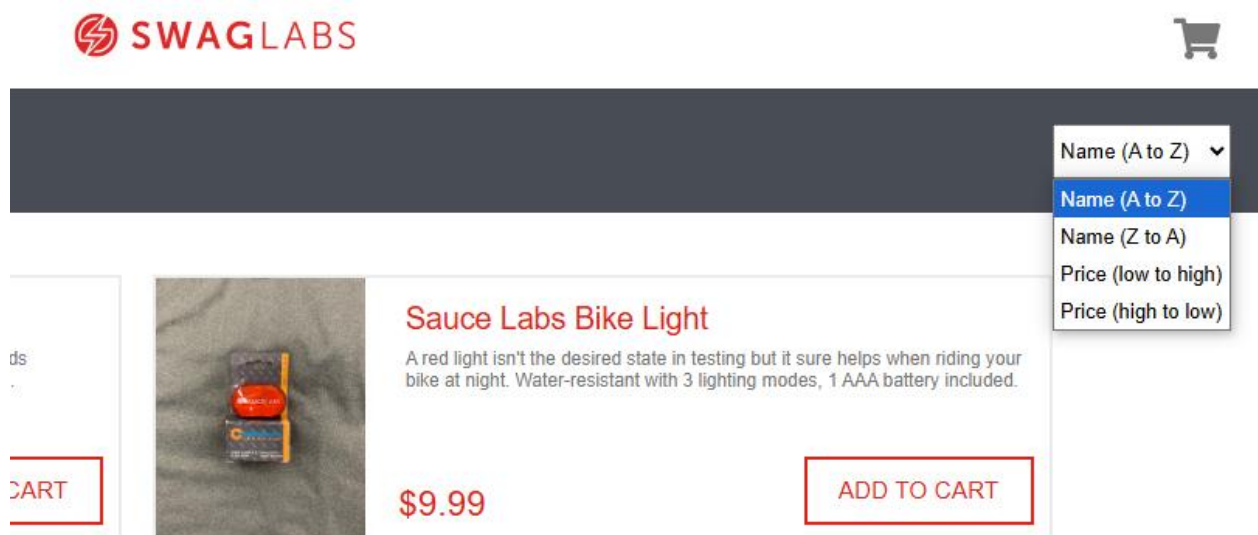
When a user clicks the "Add to Cart" button for a product:



- *The button label changes to "Remove".
- *The shopping cart icon in the header updates to reflect the number of items added.

Clicking the "Remove" button should:

- *Remove the product from the cart.
- *Revert the button label back to "Add to Cart".
- *Update the shopping cart icon accordingly.

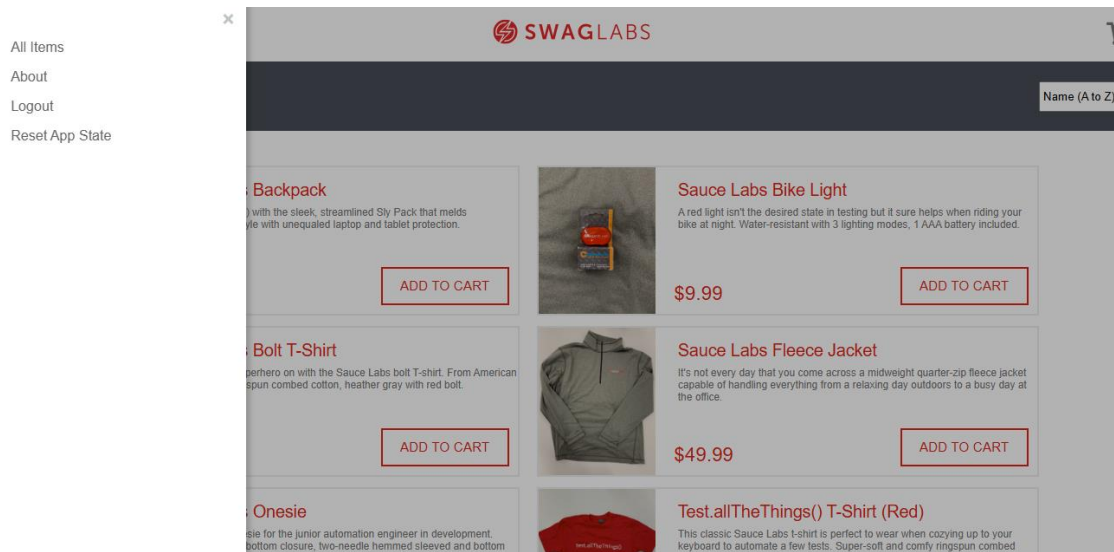


Product Sorting

Provide a sorting dropdown with the following options:

- *Name (A to Z)
- *Name (Z to A)
- *Price (Low to High)
- *Price (High to Low)
- *Upon selecting a sorting option, the product list should reorder accordingly without requiring a page reload.

Navigation



Include a navigation menu accessible via a hamburger icon, providing links to:

- *All Items
- *About
- *Logout
- *Reset App State




The shopping cart icon in the header should navigate the user to the cart page when clicked.

Non-Functional Requirements

The Inventory Page should load within 2 seconds under standard network conditions.

Ensure responsiveness across various devices and screen sizes, including desktops, tablets, and smartphones.
Maintain compatibility with the latest versions of major web browsers (e.g., Chrome, Firefox, Safari, Edge).

Checkout section



Checkout: Your Information

First Name

Last Name

Zip/Postal Code

CANCEL

CONTINUE

THANK YOU