**Software Requirement Specification (SRS)**

**Project Title: Swag Labs – Dummy Shopping Application**

**Application URL:** <https://www.saucedemo.com/v1/cart.html>

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**Purpose:**

The purpose of the Swag Labs application is to simulate an e-commerce platform that allows users to browse, sort, and purchase clothing products. This application is mainly used for testing and training QA engineers on manual and automation testing processes.

**Scope of the Application:**

* Users can log in using pre-defined credentials.
* Users can view and sort a list of clothing products.
* Users can add items to the cart and proceed to checkout.
* The system includes navigation options and cart functionalities.
* It helps testers verify core e-commerce functionalities like login, add to cart, filter, and logout.

**User Roles & Credentials:**

**Accepted Usernames:**

* standard\_user – Basic working user
* locked\_out\_user – Simulates login failure scenario
* problem\_user – Used to simulate image loading or functionality issues
* performance\_glitch\_user – Simulates slow response times

**Password for All Users:**

* secret\_sauce

**Functional Requirements:**

| **ID** | **Requirement Description** |
| --- | --- |
| FR01 | System must display a login page when accessing the base URL |
| FR02 | System must allow login using valid username/password combinations |
| FR03 | System must prevent login for locked\_out\_user and display an appropriate error |
| FR04 | Upon login, the system must display all products with details like name, price, and image |
| FR05 | User must be able to sort products using the dropdown options: - Name (A-Z) - Name (Z-A) - Price (low to high) - Price (high to low) |
| FR06 | User must be able to click “Add to cart” and add a product to the cart |
| FR07 | Cart icon should reflect the number of items added |
| FR08 | Clicking the cart icon should take the user to the cart page showing added products |
| FR09 | Navigation bar must include: - All Items - About - Logout - Reset App State |
| FR10 | Logout option should end the session and redirect to login page |
| FR11 | Reset App State should clear the cart and application state to default |

**Non-Functional Requirements:**

| **ID** | **Requirement Description** |
| --- | --- |
| NFR01 | The application must be responsive across modern browsers (Chrome, Firefox, Edge) |
| NFR02 | Page load time should not exceed 3 seconds (except for performance\_glitch\_user) |
| NFR03 | The application should follow consistent UI design and button alignment |
| NFR04 | Sorting and navigation actions should respond within 1 second |
| NFR05 | The application must support basic accessibility features (keyboard navigation, readable text) |

**Data Requirements:**

* All data (product list, user credentials) is static and preloaded into the application.
* No user-generated data is stored permanently.

**Assumptions:**

* No actual payment processing is implemented.
* Users are using predefined dummy accounts; no registration available.
* The application is used for training, testing, and learning purposes only.

**Supported Test Scenarios:**

* Login validation (valid/invalid)
* Product listing and sorting
* Cart management
* Navigation menu validation
* UI consistency checks
* Session reset and logout