

# Swag labs

## 1. User Login & Authentication

### + Prerequisites:

- The Swag labs web application is accessible.
  - The internet is enabled.
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### + Acceptance Criteria

- As a client user I will be able to access SauceDemo app, then enter **Username** and **Password** for authentication:
    - It is mandatory to enter both fields (Username & Password).
    - The password field must be masked so that input characters are hidden.
    - When pressing the **Login** button, the application will validate the entered credentials against the configured user database.
    - If the entered credentials are correct, the user is redirected to the **Products Page**.
    - If the username is invalid, the system displays an error message:  
*"Username do not match any user in this service."*
    - If the password is invalid, the system displays an error message:  
*"password do not match any user in this service."*
    - If the username or password is invalid, the system displays an error message:  
*"Username and password do not match any user in this service."*
    - If the username field is empty, the system displays:  
*"Username is required."*
    - If the password field is empty, the system displays:  
*"Password is required."*
    - If both fields are empty, the system displays:  
*"Username & Password are required."*
    - In case the account is locked, the system displays:  
*"Sorry, this user has been locked out."*
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### + Expected Results

- User with valid credentials is authenticated and redirected to the **Products Page**.
- Invalid or empty credentials trigger the correct error messages.
- Locked-out users cannot log in and receive the locked-out error message.
- Password characters remain hidden during typing.

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### + Dependencies

- Login screen (Username field, Password field, Login button, Error message area).
  - User database (standard users, locked-out users, problem\_user, performance\_glitch\_user).
  - Products page (landing page after successful login).
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## 2. Product Browsing & Search

### + Prerequisites:

- The Swag labs web application is accessible
  - The internet is enabled
  - The user is authenticated
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### + Acceptance Criteria:

- As a client user, I should be able to view a list of available products with name, price, add-to-cart option and image.
  - As a client user, I can sort products (Price: Low → High, Price: High → Low, Name: A → Z, Name: Z → A).
  - As a client user, when I click on a product, I should be redirected to the Product Details page showing full info (description, price, add-to-cart option).
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### + Expected Results:

- Products are correctly on the main page with name, price, add-to-cart option and image.
- Sorting updates displayed the product list order according to the selected sorting type.
- Clicking a product successfully opens the product details page including price, add-to-cart option, remove if it is already added.

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#### + Dependencies:

- User logged in with valid data (**username:** `standard_user`, `problem user`, **password:** `secret_sauce`).
  - Product catalog and database must be available.
  - sorting functions should be integrated with the backend.
  - Product details page must exist for each product.
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### 3. Add to Cart & Cart Management

#### + Prerequisites:

- The Swag labs web application is accessible
  - The internet is enabled.
  - The user is authenticated.
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#### + Acceptance Criteria:

- As a user I will be able to add products to the cart from the Product page, the Product Details page, and the Cart page.
- As a user I will be able to remove products from the cart from the Product page, the Product Details page, and the Cart page.
- As a user I will be able to view the Cart page and see all added products with details (name, description, price, quantity, image, total price).
- As a user I will be able to update the quantity of products directly from the Cart page or from Product Details page.
- As a user I will see that the cart icon always reflects the correct number of items.
- As a User I cannot add products *Out of Stock to cart*.
- As a user when performing any action (add, remove, update) shows immediate feedback to the user (UI update)

- As a user when I am on the Cart page, there will be:
    - **CHECKOUT button** that will be Clickable only when there is at least one product in cart page to proceed with the purchase.
    - **CONTINUE SHOPPING button** to return to the Products page.
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#### + Expected Results:

- Products can be added, removed, and updated correctly from all relevant pages.
  - Cart page always displays accurate product details.
  - Cart icon reflects the correct number of items in real time.
  - user can control of the quantity of the product.
  - checkout button can be clickable only when there are products in cart page
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#### + Dependencies:

- User logged in with valid data (**username:** standard\_user ,problem\_user,..... **password:** secret\_sauce )to persist cart per user.
  - Product catalog must be available
  - Product details page should be available
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## 4. Checkout

#### + Prerequisites:

- The Swag labs web application is accessible
  - The internet is enabled
  - The user is authenticated.
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#### + Acceptance Criteria:

- As a customer I want to enter my first name, last name, and zip/postal code So that I can proceed with the checkout process.
  - Fields for First Name, Last Name, and Zip/Postal Code are displayed.
    - First Name field must contain only characters without numbers, special characters and spaces except this show error message
    - Last Name field must contain only characters without numbers, special characters and spaces except this show error message
    - Zip Code field must contain valid number depend on country and city except this show error message "Error: please enter valid zip code"
  - All fields are mandatory.
  - If any field is empty → error message is shown.
  - On valid input → clicking Continue moves to the next checkout step.
  - Cancel button returns to the cart page.
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### + Expected Result

- User successfully moves to the order overview screen after providing valid details.
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### + Dependencies

- User logged in with valid data (**username:**standard\_user ,problem\_user,.....**password:**secret\_sauce ).
  - User must have at least one item in the cart.
  - Checkout page should be accessible only when logged in.
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## 5. Order Placement

### + Prerequisites:

- The Swag labs web application is accessible
  - The internet is enabled
  - The user is authenticated.
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### + Acceptance Criteria

- As a customer I want to review my order details and complete payment So that I can place my order successfully.
- Item(s) details, price, tax, and total are displayed correctly.
- Shipping method and payment information are shown.
- Finish button confirms the order.
- Cancel button returns to the cart page.

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### + Expected Result

- User sees an order confirmation page after clicking Finish.

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### + Dependencies

- User logged in with valid data (username:standard\_user ,problem\_user,.....password:secret\_sauce ).
- User must have completed the personal information step (Checkout Information).
- Payment and shipping details should be retrievable by the system.

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## 6. User Logout & Session Management

### + Prerequisites:

- The Swag labs web application is accessible
  - The internet is enabled
  - The user is authenticated.
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## + Acceptance Criteria:

- As a SwagLabs user, I can log out of the application at any time by clicking the profile/avatar menu and selecting Log Out, so my session ends securely.
  - When I log out, the current session token is invalidated to prevent unauthorized reuse.
  - After logging out, if I revisit the application, I am redirected to the Login screen and must re-enter my credentials to regain access.
  - If I log in on a different device/browser, any active session on other devices/browsers is automatically terminated.
  - A “Session Timeout” occurs if there is no activity for a configurable period (e.g., 30 minutes). The user is redirected to the Login page with a message that the session expired.
  - All cached sensitive data (e.g., cart items tied to user account, personal information) is cleared from client storage upon logout or timeout.
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## + Expected Results:

- User is fully logged out and must authenticate again to access secure areas.
  - Only the most recent active session remains valid if multi-device login is attempted.
  - Session data is cleared, ensuring no personal or order information remains visible after logout..
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## + Dependencies:

- User logged in with valid data (**username:**standard\_user ,problem\_user,.....**password:**secret\_sauce ).
- User Profile / Account settings UI.
- Secure session storage and timeout configuration.