[Test Plan] Login, sorting, logout version 1.0

| Document Status | [DRAFT] |
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# Introduction

## Overview Feature to be tested

Login – The process of authenticating a user into the application using a valid username and password.

Sort – A feature that sorts products on the inventory page based on specific criteria (e.g., price, product name).

Logout – The process of exiting the application, ending the user session and returning to the login page.

## Goals and Objective

Ensure that the Login, Sort, and Logout features on the https://www.saucedemo.com/ website run according to functional requirements and can be used smoothly without any bugs.

1. Verify that users can log in with valid credentials and cannot log in with incorrect credentials.
2. Ensure the sorting feature works correctly and displays products in the appropriate order based on user selection.
3. Ensure that users can log out successfully and that user sessions end securely.
4. Identify potential issues or errors during the login, sorting, and logout processes.

# Test Item

List of test items (feature / product)

| No | Feature | Test Item |
| --- | --- | --- |
| #1 | Login | 1. Login with valid credentials 2. Login with invalid credentials 3. Login with user doesn’t exist |
| #2 | Sort | 1. Sort name (A to Z) 2. Sort name (Z to A) 3. Sort price (High to Low) 4. Sort price (Low to High) |
| #3 | Logout | 1. Function logout work properly |

# In Scope Testing

List of in feature to be tested

| No | Feature | Requirement / Design specifications |
| --- | --- | --- |
| #1 | Login |  |

| No | Feature | Requirement / Design specifications |
| --- | --- | --- |
| #2 | Sort |  |
| #3 | Logout |  |

# Out of Scope Testing

List the features of the software / product which will not be tested.

| No | Feature | Reasons |
| --- | --- | --- |
| #1 | Register | This testing phase will be focus to test login feature |

# Testing Approach

Summary of testing approach that will be implemented during testing phase

1. Login Testing

* Positive Testing: Login with a valid username and password.
* Negative Testing: Login with an incorrect, blank, or invalid username/password combination.

1. Sort Testing

* Verify the sort function by selecting each sorting option (e.g., lowest to highest price, A-Z by name).
* Make sure the products are listed in the order you selected.

1. Logout Testing

* Log out of the application after successfully logging in.
* Ensure that after logging out, users are redirected to the login page.

# Test Environment

Information about testing environment that will be used during testing phase e.g URL, and version of App

* Website: <https://www.saucedemo.com/>
* Env: Production
* Browser: Chrome

# Test Deliverables

1. Test Plan (this document itself): [[Test Plan - Royyan.docx](https://docs.google.com/document/d/1ZPEIedejYUuA0083oF72ARJjFWmkqIFl/edit?usp=sharing&ouid=118194309158710259896&rtpof=true&sd=true)]
2. Test Case: [[Test Case & Bug Report - Royyan.xlsx](https://docs.google.com/spreadsheets/d/1tMMCP1nPeDNHb-1DVQ5kcQ2y9skT-gs_/edit?usp=sharing&ouid=118194309158710259896&rtpof=true&sd=true)]
3. Defect Report: [[Test Case & Bug Report - Royyan.xlsx](https://docs.google.com/spreadsheets/d/1tMMCP1nPeDNHb-1DVQ5kcQ2y9skT-gs_/edit?usp=sharing&ouid=118194309158710259896&rtpof=true&sd=true)]

# Testing Timeline

| No | Task | Estimation Time | | Actual Time | |
| --- | --- | --- | --- | --- | --- |
| Start Date | Finish Date | Start Date | Finish Date |
| #1 | Develop Test Planning | 17 Jul 2025 | 18 Jul 2025 | 17 Jul 2025 | 18 Jul 2025 |
| #2 | Develop Test Case | 18 Jul 2025 | 19 Jul 2025 | 18 Jul 2025 | 19 Jul 2025 |
| #3 | Test Case Review | 19 Jul 2025 | 19 Jul 2025 | 19 Jul 2025 | 19 Jul 2025 |
| #4 | Execute Test | 20 Jul 2025 | 21 Jul 2025 | 20 Jul 2025 | 22 Jul 2025 |

# References

List of related documents e.g PRD, Figma design, API Contract, Copy document etc