[Test Plan] Login, Sort & Logout – Version 1.0

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| --- | --- |
| Document Status | [DRAFT] |
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# Introduction

## Overview Feature to be tested

This Test Plan document has been created to support the testing process for the main features of the website <https://www.saucedemo.com>, specifically the Login, Sort, and Logout functionalities. The primary goal of this testing is to ensure that these features operate according to the established requirements and provide an optimal user experience.

This website is a simple e-commerce platform that allows users to log in, view products, sort products based on criteria, and securely log out of their accounts. Since these features are critical parts of the user flow, thorough testing is necessary to minimize the risk of functional failures.

## Goals and Objective

The objective of this testing is to verify the following functions:

* **Login:** Ensure the authentication process works correctly under various conditions such as valid credentials, invalid credentials, and non-registered users.
* **Sort:** Ensure the product sorting feature based on price and name functions accurately according to user requests.
* **Logout:** Ensure users can safely log out of the application and that the user session is properly terminated.

Additionally, this testing aims to identify potential bugs and usability issues that could affect the user experience. The testing approach will be manual and will include both functional and exploratory testing.

# Test Item

List of test items (feature / product)

|  |  |  |
| --- | --- | --- |
| No | Feature | Test Item |
| #1 | Login | 1. Login with valid username and password 2. Login with unregistered username 3. Login with incorrect password 4. Login with empty input fields 5. Validate error message on failed login 6. System response during slow or lost network connection 7. Verify redirection to dashboard after successful login |
| #2 | Sort | 1. Sort price High to Low 2. Sort price Low to High 3. Sort product name A to Z 4. Sort product name Z to A 5. Ensure sort order remains consistent after page refresh |
| #3 | Logout | 1. Logout during network disconnect 2. Verify access to dashboard is denied after logout 3. Verify redirection to login page after logout |

# In Scope Testing

List of in feature to be tested

|  |  |  |
| --- | --- | --- |
| No | Feature | Requirement / Design specifications |
| #1 | Login |  |
| #2 | Sort |  |
| #3 | Logout |  |

# Out of Scope Testing

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

|  |  |  |
| --- | --- | --- |
| No | Feature | Requirement / Design specifications |
| #1 | Register | Testing is focused on the login feature because this phase only covers validation of access for existing users. The registration feature will be tested in a future phase. |
| #2 | Shopping cart | Shopping cart testing is not included as there have been no functional changes to this feature since the previous release, and it is not a priority in this phase. |
| #3 | Checkout | The checkout process is out of scope for this phase as the development team is still working on improvements and updates to this feature. |

# Testing Approach

The testing will be performed **manually**, which means the tester will try out the features on the website one by one—such as login, sorting products, and logging out—to make sure everything works correctly.

The steps used in the testing approach include:

1. **Following the User Flow (User Flow Testing)**  
   The tester will interact with the website like a regular user. For example: open the website, log in with a valid account, view products, sort products, and then log out.
2. **Scenario-Based Testing**  
   Testing is based on real-life situations. For example:
   * What happens if a user enters the wrong password?
   * What is the result when sorting products by lowest price?
3. **Simple Interface Testing (Black Box Testing)**  
   The tester checks only the input and output, without needing to understand the code behind the system. The focus is on:
   * Can the feature be used properly?
   * Does an error message appear when something goes wrong?
4. **Manual Bug Reporting**  
   If there are any problems or features that don’t work, the tester will record and report them manually to the development team.
5. **Testing on Different Browsers**  
   The website will be tested in several browsers (e.g., Chrome, Firefox, Edge) to make sure the appearance is consistent and all features work as expected.

This testing will be done on a staging version of the website, not the version that is publicly available to users.

# 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: Staging
* Operating Systems: Windows 11, macOS Sonoma, Android 13+, iOS 17+
* Supported Browsers: Google Chrome (v124+), Mozilla Firefox (v122+), Microsoft Edge (v120+)
* Network: Testing will be done on stable and unstable Wi-Fi

# Test Deliverables

1. Test Plan (this document itself): [link]
2. Test Case: [link]
3. Test Script (if any): [link]
4. Test data (if any): [link]
5. Defect Report: [link]
6. Test Report: [link]

# Testing Timeline

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Task | Estimation Time | | Actual Time | |
| Start Date | Finish Date | Start Date | Finish Date |
| #1 | Develop Test Planning | 22 Jul 2025 | 22 Jul 2025 | 22 Jul 2025 | 22 Jul 2025 |
| #2 | Develop Test Case | 23 Jul 2025 | 23 Jul 2025 | 23 Jul 2025 | 23 Jul 2025 |
| #3 | Test Case Review | 24 Jul 2025 | 07 Aug 2025 |  |  |
| #4 | Execute Test | 07 Aug 2025 | 09 Aug 2025 |  |  |

# References

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