Practical - 04.

Subject - Software Testing and Quality assurance.
Assignment title - Create Defect Report for any application
of web application.
Semester/Year - VII Sem, 4th Year.
Instructor - Saiprasad Bhise.
Submission Date: 22/09/2025.

1] OBJECTIVE:

To identify and document functional defects across various modules of the SauseDemo Website using manual testing techniques.

○ Requirements -
   ○ A web browser (Chrome / Firefox)
   ○ Acess to www.saucedemo.com.
   ○ Test Credentials - Valid.
          ○ Username - standard-user.
          ○ Password - secret-sauce.
   ○ Locked -out - ○ User name - locked-out-user.
                   ○ Password - secret-sauce.
   ○ Invalid test data for negative scenarios.

○ Observation Procedure -
1. Perform end to end functional testing of all major modules on Sauce Demo.
   ○ login   ○ Navigation Menu.
   ○ Product listing /Inventory page. ○ Session Management.
   ○ Cart.   ○ Responsive UI design.
   ○ Check out Process.

2. Note inconsistencies, incorrect behaviour, or usability issues during interaction.

3. Record observed results for each defect against the expected behaviour.

o **Observed defect summary –**
Below is a summary of 20 functional defects. –

1. Login – Generic error message.
   - Issue – The error message does not specify whether username or password is incorrect.
   - Expected – Field specific or clearer error message.
   - Actual – Username and password do not match.

2. Login – Session timeout not triggering.
   Issue – Session does not expire after long inactivity.
   Impact – Potential security risk.

3. Locked out user – No clarification in error.
   Issue – Error does not mention account is locked out.
   Expected – This account is locked out.

4. Product page – Incorrect sorting.
   Issue – Price sorting low to high does not sort items correctly.

5. Product page – Cart count not updating immediately.
   Issue – Add to cart updates cart but badge count appears delayed.

6. Cart - Remove button doesn't work ocassionally.
Issue - Remove does not always remove item without refresh.

7. Cart - Items not persisting after reset App state.
Issue - reset should clear cart but doesn't always reflect immediately.

8. Checkout - Form accepts special characters.
Issue - First name, last name and zip code fields allow special characters and symbols.

9. Checkout - Required fields Not validated properly.
Issue - Blank fields are accepted ocassionally or without prompt.

10. Checkout - Wrong Total Calculation.
Issue - Tax + items $!=$ total in some cases.

11. Checkout - Cancel button redirects Incorrectly.
Cancel directs to cart instead of main inventory.

12. Navigation Menu - Links broken in Mobile View.
Issue - About and logout links overlap or disappear.

13. Navigation Menu - Reset app state doesn't work immediately.
Reset does not clear UI elements or cart count until manual reload.

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14. Logout - Back button Shows protected Pages -
Issue - After logout, using browser back shows inventory / cart pages.

15. Responsiveness - Layouts Breaks on Mobile.
Issue - Product tiles overlap, and buttons shift in portrait view.

16. Accessibility - No ALT Tags for images.
Issue - Product images do not have alt values for screen readers.

17. Cart - No Quantity control -
Issue - user cannot increase quantity, only add/ remove.

18. Error handling - No feedback on Network loss.
Issue - No error shown if network drops during add to cart.

19. Product details - Clicking image doesn't show product page.
Issue - Some product images are not clickeable / do not link to product details.

20. Security - Direct URL Access Allowed without login.
Issue - URL without page shows breifly before redirect.

• Inference - Hence Saucedemo website although functional, contains multiple usability validation, affecting reliability.

• Conclusion :- A total of 20 functional defects were identified, including critical areas. It is recommended that development team address these issues.