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Test Summary Report

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Test Summary Report

1. Purpose

This document explains the various activities performed as part of Testing online shopping application

2. Application Overview

‘Saucedemo’ is a web based online shopping Application. shopping for

users can be done using the online facilities

There are several modules like login, Searching products, add to cart , Payment and Reports

which are integrated to fulfill the purpose.

3. Testing Scope

This section explains about the functions/modules in scope & out of scope for testing;

Any items which are not tested due to any constraints/dependencies/restrictions.

Example: A functionality verification which needs connectivity to a third party

application cannot be tested, as the connectivity could not be established due to some

technical limitations. This section should be clearly documented, else it will be assumed

that Testing covered all areas of the application.

a) In Scope

Functional Testing for the following modules are in Scope of Testing

* Login: User login with the Valid username and valid password.
* Search item: Search algorithem are very important for the success of a retail site because we can’t always place what the user want to see the right in front of their eyes.

* Add to Cart: This is penultimate stage before the user commits to the purchase.
* Product details page: Once a user finds a product either through search or by browsering or by clicking on it from homepage, the user will be taken to the product information page.
* Payment Gateway: Check the different payment option ,like credit card,cash on delivery etc
* Logout:After visiting or purchasing product user can logout from application.

b) Out of Scope

The following are considered out of scope

* Functional requirements testing for systems outside Saucedemo
* Testing of Business disaster recovery and Business Continuity Plan

c) Items not tested

Verification of connectivity with the third party system ‘Central

repository system’ was not tested, as the connectivity could not be

established due to some technical limitations. This can be verified during

UAT (User Acceptance Testing) where the connectivity is available or can

be established.

4. Metrics

1) No. of test cases planned vs executed

2) No. of test cases passed/fail

|  |  |  |  |
| --- | --- | --- | --- |
| Test case Planned | Test Case Executed | Test case Pass | Test Case Failed |
| 100 | 88 | 54 | 34 |

3) No of defects identified and their Status & Severity

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Critical | Major | Medium | Cosmetic | Total |
| Closed |  | 15 | 30 |  |  |
| Open |  |  |  |  |  |
|  |  |  |  |  |  |

4) Defects distribution – module wise

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Login | Search | Cart | Product | Payment | Logout |
|  |  |  |  |  |  |  |
| No. of defects | 4 | 2 | 8 | 4 | 7 | 0 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

5. Types of testing performed

* Load Performance Testing: (For Better Stability)

E-commerce application should be tested regressively by applying high load and testers should make sure that the performance of the application is up to the mark.

E-commerce apps are used by a lot of people and there is high surgein customers on big billion days or any sale days.

Tester should apply the maximum load and then test spike in the database ,the response time of API’s and the network bandwidth. Tester should know the no.of concurrent request can be handle by application.

Types of Performance Testing :

1.Load Testing 2.Stress Testing 3.Volume Testing 4.Scalability Testing 5.Spike testing

Functional Testing:

All the functionalities of the application should be tested regressively based on different pages in the application Tester should make sure thet the application should be responsive.

* Security Testing: (For Safer Usage)

Tester should make sure that the application is secure from all attacks .AI the transaction which happen via your e commerce application should be secured.

Security Testing includes-

1.Penetration Testing 2.Vulnerability Testing 3.Security Auditing 4.Vulnaribility scanning 5.Ethical Hacking 6.Security Scanning 7.Risk Assessment.

* Payment Testing: (for Seamless transaction)

Capturing payments is essential for any online shopping application.

From checkout to payment options, and everything else in between the whole purchasing experience must be smooth and frictionless.

Smoothen payment experience includes- Functional testing 2.integresstion Testing 3.Performance Testing 4.security Testing 5.Usability Testing 6.Location Testing 7.Compatibolity Testing

6. Test Environment & Tools

|  |  |
| --- | --- |
| Application URL | https://www.saucedemo.com/ |
| Web Server | WebServer1.0 |
| Web Browser | Java |
| Database | MYSQL |
| HP QC/ALM |  |

7. Lessons Learnt

S. No Issues faced Solutions:

8. Recommendations

Properly designed, tested, secured online application increases the customer’s decision satisfaction, attitude towards recommended product and positive purchase intentions and actual purchase.

9. Exit Criteria

a) All test cases should be executed – Yes

b) All defects in Critical, Major, Medium severity should be verified and

closed – Yes.

c) Any open defects in trivial severity – Action plan prepared with expected dates

of closure.

Example: No Severity1 defects should be ‘OPEN’; Only 2 Severity2 defects should be

‘OPEN’; Only 4 Severity3 defects should be ‘OPEN’. Note: This may vary from project

to project. Plan of Action for the Open defects should be clearly mentioned with

details on when & how they will be addressed and closed.>

11. Conclusion/Sign Off

A website should work not just on computers but on mobile device too. It needs to be responsive and secure. The database should be optimized.

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