Test ClosureReport for

AMAZON APPLICATION

Contents

1. Purpose

This document explains the various activities performed as part of Testing of Amazon application.

2. Application Overview

This system allows the customer's to register and login to the application, The customer can purchase any product from the product page. The user can to maintain their cart for add or remove the product over the internet. This system include secure payment. This system provides an easy solution for customers to buy the product without going to the shop and also to shop owner to sale the product. This proposed system can be used by any naïve users and it does not require any educational level, experience or technical expertise in computer field but it will be of good use if user has the good knowledge of how to operate a computer.

3. Testing Scope

a) In Scope

Functional Testing for the following modules are in Scope of Testing

- Registration
- Login
- Product page
- Searching
- Add to cart
- Payment
- Feedback

b) Out of Scope

Recovery testing is not done for this application. This can be tested after any failure of data.

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 duringUAT (User Acceptance Testing) where the connectivity is available or canbe established.

4. Metrics

a. No. of test cases planned vs executed

b. No. of test cases passed/failed

Test cases planned	Test cases executed	TCs Pass	TCs Failed
20	20	19	1

5.Types of testing performed

a) SMOKE TESTING

- This testing was done whenever a Build is received (deployed into Testenvironment) for Testing to make sure the major functionalities are working fine, Build can be accepted and Testing can start.

b) SYSTEM INTEGRATION TESTING

- This is the Testing performed on the Application under test, to verify the entire application works as per the requirements.
- Critical Business scenarios were tested to make sure important functionalities in the application works as intended without anyerrors.

c) RETESTING TESTING

- Re-testing is executing a previously failed test against new software to check if the problem is resolved. After a defect has been fixed, re-testing is performed to check the scenario under the same environmental conditions.
- Retesting ensures that the issue has been fixed and is working as expected.
- In some cases the entire module is required to be re-tested to ensure the quality of the module.

d) SANITY TESTING

- Sanity testing is done to check the bugs have been fixed after the build.
- Sanity tests helps to avoid wasting time and cost involved in testing if the build is failed. Tester should reject the build upon build failure.

e) COMPONENT TESTING

- Component testing is a software testing method where “units”—the individual components of software—are tested. Developers write unit tests for their code to make sure that the code works correctly. This helps to detect and protect against bugs in the future.

6.Test Environment & Tools

Software Environment

- Operating System: Windows7 Ultimate which supports networking.
- JAVA development toolkit. Hardware Interface:

Hardware requirements

- Processor: Dual Core
- RAM:2 GB
- Hard Disk:320 GB

7.Lessons Learnt

S. No	Issues faced	Solutions
1	Smoke testing test cases required to be executedmanually each time.	Smoke test cases were automated and the scripts were run, which ranfast and saved time.

8.Recommendations

While doing and executing the testcases it requires more time. For time saving we can use some automation tools.

9.Best Practices

A repetitive task done manually every time was time consuming. This task was automated by creating scripts and run each time, which saved time and resources.

- Smoke test cases were automated and the scripts were run, which ran fast andsaved time.
- Automation scripts were prepared to create new customers, where lot ofrecords need to be created for Testing.
- Business critical scenarios are separately tested on the entire application whichare vital to certify they works fine.

10.Exit Criteria

a) All test cases should be executed – **Yes**

11.Conclusion/Sign Off

As the Exit criteria was met and satisfied as mentioned in Section 10, this application issuggested to 'Go Live' by the Testing team. Appropriate User/Business acceptance testing should be performed before 'Go Live'.

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