POS

Test report

Version 2.0

3/5/2018

VERSION HISTORY

Test cases for System Testing and User Acceptance Testing was generated implied on the module.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version #** | **Implemented**  **By** | **Revision**  **Date** | **Approved**  **By** | **Approval**  **Date** | **Reason** |
| 2.0 | Mission,Md Mahfuzur rahman | 2/5/2018 | Fahad Ahmed | 3/5/2018 | Submission of test suits and results |
| 2.0 | Hasan, Maliha Binte | 2/5/2018 | Fahad Ahmed | 3/5/2018 | Submission of test suits and results |
| 2.0 | Bishwas, Ronesh | 2/5/2018 | Fahad Ahmed | 3/5/2018 | Submission of test suits and results |
| 2.0 | Uddin,A.B.M. Shihab | 2/5/2018 | Fahad Ahmed | 3/5/2018 | Submission of test suits and results |
| 2.0 | Chowdhury, Jahiruddin | 2/5/2018 | Fahad Ahmed | 3/5/2018 | Submission of test suits and results |

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# 1.0 Introduction

## 1.1 Purpose

This Test Report on POS system provides a summary of the results of test performed as outlined within this document.

# 2.0 Test Summary

**Test Project Name: POS**

A test suit was prepared which contained test cases for System and User Acceptance testing. Test cases were run individually on the system and the results were documented.

**System Name: PHP**

**Version Number:1.0**

**Additional Comments:**

## 2.1 System testing

A test suit was prepared which contained test cases for System testing. Test cases were run individually on the system python and the results were documented.

**Test Owner: Mission,Md Mahfuzur Rahman**

**Test Date: 22/4/2018 – 26/4/2018**

**Test Results: Few Bugs found**

**Additional Comments:**

## 2.2 Automated System testing (Using selenium)

A test suit was prepared which contained test cases for System testing. Test cases were run individually on the system python and the results were documented.

**Test Owner: Mission,Md Mahfuzur Rahman**

**Test Date: 22/4/2018 – 2/5/2018**

**Test Results: Few Bugs found**

**Additional Comments:**

## 2.3 User acceptance testing

A test suit was prepared which contained test cases for User Acceptance testing. Test cases were run individually on the system and the results were documented.

**Test Owner: Chowdhury, Jahiruddin**

**Test Date: 22/4/2018 – 26/4/2018**

**Test Results: Few bugs found**

**Additional Comments:**

## 2.4 Regression testing

A test suit was prepared which contained test cases for regression testing. Test cases were run individually on the system and the results were documented.

**Test Owner: Hasan, Maliha Binte**

**Test Date: 22/4/2018 – 26/4/2018**

**Test Results: Few bugs found**

**Additional Comments:**

# 3.0 Test Assessment

# This test was done manually with test suite, test cases and basic tools.

**4. Test Cases**

## 4.1 System Testing

The table below summarizes the results of system testing:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Case | Tester | Severity of Defect | Summary of Defect | Comments |
| 1 | Test Whether the website exists in the website link. | Mission,Md Mahfuzur rahman | Urgent | No defect |  |
| 2 | Check the clickable Logo of “CHMSC TECHNO BAZAAR”. | Mission,Md Mahfuzur rahman | Trivial | No defect |  |
| 3 | Check the functionality of search box (without any input.) | Mission,Md Mahfuzur rahman | Minor | No defect |  |
| 4 | Check the functionality of search box with input “Floral Wallet” | Mission,Md Mahfuzur rahman | Minor | No defect |  |
| 5 | Check Login option to “My Account” page with one or more blank field. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 6 | Check Login option to “My Account” page with user name and password. | Chowdhury, Jahiruddin | Major | No defect |  |
| 7 | Check “Create an account” option to “My Account” page with one or more blank field. | Chowdhury, Jahiruddin | Major | No defect |  |
| 8 | Check “Create an account” option to “My Account” page with all required information. | Chowdhury, Jahiruddin | Major | Registration failed. | 6 |
| 9 | Check the Cart icon on the homepage without adding any product. | Chowdhury, Jahiruddin | Major | No defect |  |
| 10 | Check the “Home” Button on the navigation bar. | Chowdhury, Jahiruddin | Minor | No defect |  |
| 11 | Check the “Product” Button on the navigation bar. | Hasan, Maliha Binte | Major | No defect |  |
| 12 | Check “Filter by price” option into the product page. | Hasan, Maliha Binte | Major | No defect |  |
| 13 | Check “Filter by category” option into the product page. | Hasan, Maliha Binte | Major | No defect |  |
| 14 | Check “Search for Product” option in the product page | Hasan, Maliha Binte | Major | No defect |  |
| 15 | Click to the product image. | Hasan, Maliha Binte | Major | No defect |  |
| 16 | Add product in the cart. | Ronesh Bishwash | Major | No defect |  |
| 17 | Check whether all desired products add to the shopping cart or not | Ronesh Bishwash | Major | No defect |  |
| 18 | Change the quantity of the product that is added to the cart. | Ronesh Bishwash | Major | No defect |  |
| 19 | Check whether total price and product price being updated after number of quantity is being changed. | Ronesh Bishwash | Major | It takes long time to update and sometimes it is tough to understand whether it will updated or not. | 21 |
| 20 | Check “Remove” option for a product to the cart. | Uddin,A.B.M. Shihab | major | It removes the product but also encounter some error to the lower portion of the page |  |
| 21 | Check “Place reservation” button to the shopping cart | Uddin,A.B.M. Shihab | Major | No defect |  |
| 22 | Check “Continue Shopping” button to the shopping cart. | Uddin,A.B.M. Shihab | major | No defect |  |
| 23 | Check “About” option to the navigation menu. | Uddin,A.B.M. Shihab | Minor | No defect |  |

## 

**4.2 Automated System Testing (Using Selenium):**

We have done the automated system testing using selenium and we have chosen the C# language for that. For using selenium we had to use three packages selenium webdriver, selenium support, and selenium.chrome for creating the environment. There were 23 test-cases and we were successful for 19 test-cases in the system testing. We faced some difficulties for which we couldn’t solve to test 4 test cases. The 4 test cases are 6, 8, 12 and 20.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Case | Tester | Severity of Defect | Summary of Defect | Comments |
| 1 | Test Whether the website exists in the website link. | Mission,Md Mahfuzur rahman | Urgent | No defect |  |
| 2 | Check the clickable Logo of “CHMSC TECHNO BAZAAR”. | Mission,Md Mahfuzur rahman | Trivial | No defect |  |
| 3 | Check the functionality of search box (without any input.) | Mission,Md Mahfuzur rahman | Minor | No defect |  |
| 4 | Check the functionality of search box with input “Floral Wallet” | Mission,Md Mahfuzur rahman | Minor | No defect |  |
| 4(i) | Check “My account” option. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 5 | Check Login option to “My Account” page with one or more blank field. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 6 | Check Login option to “My Account” page with user name and password. | Mission,Md Mahfuzur rahman | Major |  | Could not test using automated testing |
| 7 | Check “Create an account” option to “My Account” page with one or more blank field. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 8 | Check “Create an account” option to “My Account” page with all required information. | Mission,Md Mahfuzur rahman | Major |  | Could not test using automated testing. |
| 9 | Check the Cart icon on the homepage without adding any product. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 10 | Check the “Home” Button on the navigation bar. | Mission,Md Mahfuzur rahman | Minor | No defect |  |
| 11 | Check the “Product” Button on the navigation bar. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 12 | Check “Filter by price” option into the product page. | Mission,Md Mahfuzur rahman | Major |  | Could not test using automated testing |
| 13 | Check “Filter by category” option into the product page. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 14 | Check “Search for Product” option in the product page | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 15 | Click to the product image. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 16 | Add product in the cart. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 17 | Check whether all desired products add to the shopping cart or not | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 18 | Change the quantity of the product that is added to the cart. | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 19 | Check whether total price and product price being updated after number of quantity is being changed. | Mission,Md Mahfuzur rahman | Major | It takes long time to update and sometimes it is tough to understand whether it will updated or not. | 21 |
| 20 | Check “Remove” option for a product to the cart. | Mission,Md Mahfuzur rahman | major |  | Could not test using automated testing |
| 21 | Check “Place reservation” button to the shopping cart | Mission,Md Mahfuzur rahman | Major | No defect |  |
| 22 | Check “Continue Shopping” button to the shopping cart. | Mission,Md Mahfuzur rahman | major | No defect |  |
| 23 | Check “About” option to the navigation menu. | Mission,Md Mahfuzur rahman | Minor | No defect |  |

## 4.3 User Acceptance Testing

The table below summarizes the test cases employed for user acceptance testing and the test results obtained for each test case:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case  ID | Test Case | Tester | User Expectation | Actual Operation | Severity of Defect | Summary of Defect | **Comments** |
| 1 | Test Whether the website exists in the website link. | Mission,  Md Mahfuzur rahman | As a user, I want to see the website after hitting the link. | It displays the desired page. | Urgent | No defect |  |
| 2 | Check the clickable Logo of “CHMSC TECHNO BAZAAR”. | Mission,  Md Mahfuzur rahman | As a user, I want to see the website after clicking to the logo. | It displays the website homepage. | Trivial | No defect |  |
| 3 | Check the functionality of search box (without any input.) | Mission,  Md Mahfuzur rahman | After hitting the search option, as a user I expect either it displays nothing or it displays all product list. | It redirects to the product page to display all the product list. | Minor | No defect |  |
| 4 | Check the functionality of search box with input “Floral Wallet” | Mission,  Md Mahfuzur rahman | As a user, I expect “Florat wallet” related information. | It displays the “Floral wallet” product details | Minor | No defect |  |
| 5 | Check Login option to “My Account” page with one or more blank field. | Mission,  Md Mahfuzur rahman | As a user, I expect that It should give me warning message to fill the required field. | It displays the message to login. | Major | No defect |  |
| 6 | Check Login option to “My Account” page with valid user name and password. | Chowdhury, Jahiruddin | As a user, I want to see my account details. | It displays my account details. | Major | No defect |  |
| 7(i) | Check Login option to “My Account” page with invalid user name and password. | Chowdhury, Jahiruddin | As a user, I expect that it gives me the error message. | It displays the wrong user credentials message. | Major | No defect |  |
| 7 | Check “Create an account” option to “My Account” page with one or more blank field. | Chowdhury, Jahiruddin | As a user, I expect that It should give me warning message to fill the required field. | It displays the message to fill the required field. | Major | No defect |  |
| 8 | Check “Create an account” option to “My Account” page with all required information. | Chowdhury, Jahiruddin | As a user, I expect a registration successful message. | It doesn’t display anything and doesn’t give any feedback to the user. | Major | Registration failed. | 6 |
| 9 | Check the Cart icon on the homepage without adding any product. | Chowdhury, Jahiruddin | As a user, I expect that it shouldn’t see anything as I don’t add any item. | It displays no product message. | Major | No defect |  |
| 10 | Check the “Home” Button on the navigation bar. | Hasan, Maliha Binte | As a user, I want to redirect to the homepage from wherever I am after clicking this button. | It directly goes to the homepage. | Minor | No defect |  |
| 11 | Check the “Product” Button on the navigation bar. | Hasan, Maliha Binte | As a user, I want to see the list of all product item. | It displays all the available products. | Major | No defect |  |
| 12 | Check “Filter by price” option into the product page. | Hasan, Maliha Binte | As a user, I want to see those kind of product who lies within this range category. | It displays limited products according to the product range. | Major | No defect |  |
| 13 | Check “Filter by category” option into the product page. | Hasan, Maliha Binte | As a user, I just want to see my chosen categories product. | It displays chosen category products. | Major | No defect |  |
| 14 | Check “Search for Product” option in the product page | Hasan, Maliha Binte | As a user, I just want to see the details of product which I am searching. | It displays the specific product details. | Major | No defect |  |
| 15 | Click to the product image. | Ronesh Bishwash | As a user, I expect to see the product details page. |  | Major | No defect |  |
| 16 | Add product in the cart. | Ronesh Bishwash | As a user, I want that my chosen product should add to my shopping cart. | This product is added to my shopping cart. | Major | No defect |  |
| 17 | Check whether all desired products add to the shopping cart or not | Ronesh Bishwash | As a user, After clicking to the cart icon, I expect that all my chosen product should add to my cart with specific quantity and price. | It displays all my chosen product with specific quantity and price. | Major | No defect |  |
| 18 | Change the quantity of the product that is added to the cart. | Ronesh Bishwash | As a user, I expect that It should change the quantity according to my input. | It changes to the quantity for a specific product. | Major | No defect |  |
| 19 | Check whether total price and product price being updated after number of quantity is being changed. | Ronesh Bishwash | As a user, it should update product price and total price after I change a product quantity. | It updates product price and total price as I expected. | Major | It takes long time to update and sometimes it is tough to understand whether it will updated or not. | 21 |
| 20 | Check “Remove” option for a product to the cart. | Uddin,A.B.M. Shihab | As a user, I want to delete a product from my cart list. | It removes an item from my shopping cart. | major | It removes the product but also encounter some error to the lower portion of the page |  |
| 21 | Check “Place reservation” button to the shopping cart | Uddin,A.B.M. Shihab | As a user, I want to confirm my order. | It confirms my order and takes me to the bill payment section. | Major | No defect |  |
| 22 | Check “Continue Shopping” button to the shopping cart. | Uddin,A.B.M. Shihab | As a user, I want to go back to the product section by clicking this button. | It redirects me to the product section. | major | No defect |  |
| 23 | Check “About” option to the navigation menu. | Uddin,A.B.M. Shihab | As a user, I want to see the details about CHMSC techno bazaar. | It displays information about CHMSC techno bazaar. | Minor | No defect |  |

**4.4 Regression Testing:**

The table below summarizes the test cases employed for regression testing and the test results obtained for each test case:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Case | Tester | Severity of Defect | Summary of Defect | Comments |
| 1 | Test Whether the website exists in the website link. | Mission,Md Mahfuzur rahman | Urgent | No defect | No dependencies on other test cases. |
| 2 | Check the clickable Logo of “CHMSC TECHNO BAZAAR”. | Mission,Md Mahfuzur rahman | Trivial | No defect | Related to test case 1. |
| 3 | Check the functionality of search box (without any input.) | Mission,Md Mahfuzur rahman | Minor | No defect | Related to test case 1. |
| 4 | Check the functionality of search box with input “Floral Wallet” | Mission,Md Mahfuzur rahman | Minor | No defect | Related to test case 1. |
| 5(i) | Check “my account” option. | Mission,Md Mahfuzur rahman | Major | No defect | Related to test case 1. |
| 5 | Check Login option to “My Account” page with one or more blank field. | Mission,Md Mahfuzur rahman | Major | No defect | Related to test case 8. |
| 6 | Check Login option to “My Account” page with user name and password. | Chowdhury, Jahiruddin | Major | No defect | Related to test case 8. |
| 7 | Check “Create an account” option to “My Account” page with one or more blank field. | Chowdhury, Jahiruddin | Major | No defect | Related to test case 5(i). |
| 8 | Check “Create an account” option to “My Account” page with all required information. | Chowdhury, Jahiruddin | Major | Registration failed. | Related to test case 5(i). |
| 9 | Check the Cart icon on the homepage without adding any product. | Chowdhury, Jahiruddin | Major | No defect | Related to test case 1. |
| 10 | Check the “Home” Button on the navigation bar. | Chowdhury, Jahiruddin | Minor | No defect | Related to test case 1. |
| 11 | Check the “Product” Button on the navigation bar. | Hasan, Maliha Binte | Major | No defect | Related to test case 1. |
| 12 | Check “Filter by price” option into the product page. | Hasan, Maliha Binte | Major | No defect | Related to test case 11. |
| 13 | Check “Filter by category” option into the product page. | Hasan, Maliha Binte | Major | No defect | Related to test case 11. |
| 14 | Check “Search for Product” option in the product page | Hasan, Maliha Binte | Major | No defect | Related to test case 11. |
| 15 | Click to the product image. | Hasan, Maliha Binte | Major | No defect | Related to test case 11. |
| 16 | Add product in the cart. | Ronesh Bishwash | Major | No defect | Related to test case 11. |
| 17 | Check whether all desired products add to the shopping cart or not. | Ronesh Bishwash | Major | No defect | Related to test case 9, 11. |
| 18 | Change the quantity of the product that is added to the cart. | Ronesh Bishwash | Major | No defect | Related to test case 9, 16. |
| 19 | Check whether total price and product price being updated after number of quantity is being changed. | Ronesh Bishwash | Major | It takes long time to update and sometimes it is tough to understand whether it will updated or not. | Related to test case 9, 16. |
| 20 | Check “Remove” option for a product to the cart. | Uddin,A.B.M. Shihab | major | It removes the product but also encounter some error to the lower portion of the page | Related to test case 9, 16. |
| 21 | Check “Place reservation” button to the shopping cart | Uddin,A.B.M. Shihab | Major | No defect | Related to test case 9, 16. |
| 22 | Check “Continue Shopping” button to the shopping cart. | Uddin,A.B.M. Shihab | major | No defect | Related to test case 9. |
| 23 | Check “About” option to the navigation menu. | Uddin,A.B.M. Shihab | Minor | No defect | Related to test case 1. |

**4.5 Types of testing:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Case | Tester | Severity of Defect | Summary of Defect | Comments  (Type of testing) |
| 1 | Test Whether the website exists in the website link. | Mission,Md Mahfuzur rahman | Urgent | No defect | Usability testing |
| 2 | Check the clickable Logo of “CHMSC TECHNO BAZAAR”. | Mission,Md Mahfuzur rahman | Trivial | No defect | Usability testing |
| 3 | Check the functionality of search box (without any input.) | Mission,Md Mahfuzur rahman | Minor | No defect | Usability testing |
| 4 | Check the functionality of search box with input “Floral Wallet” | Mission,Md Mahfuzur rahman | Minor | No defect | Unit testing |
| 5(i) | Check “my account” option. | Mission,Md Mahfuzur rahman | Major | No defect | Usability testing |
| 5 | Check Login option to “My Account” page with one or more blank field. | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 08. |
| 6 | Check Login option to “My Account” page with user name and password. | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 08. |
| 7 | Check “Create an account” option to “My Account” page with one or more blank field. | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 5(i) |
| 8 | Check “Create an account” option to “My Account” page with all required information. | Mission,Md Mahfuzur rahman | Major | Registration failed. | Functional and usability testing |
| 9 | Check the Cart icon on the homepage. | Mission,Md Mahfuzur rahman | Major | No defect | Usability testing |
| 10 | Check the “Home” Button on the navigation bar. | Mission,Md Mahfuzur rahman | Minor | No defect | Usability testing |
| 11 | Check the “Product” Button on the navigation bar. | Mission,Md Mahfuzur rahman | Major | No defect | Usability testing |
| 12 | Check “Filter by price” option into the product page. | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 11. |
| 13 | Check “Filter by category” option into the product page. | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 11. |
| 14 | Check “Search for Product” option in the product page | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 11. |
| 15 | Click to the product image. | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 11. |
| 16 | Add product in the cart. | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 11. |
| 17 | Check whether all desired products add to the shopping cart or not. | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 9, 16. |
| 18 | Change the quantity of the product that is added to the cart. | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 9, 16. |
| 19 | Check whether total price and product price being updated after number of quantity is being changed. | Mission,Md Mahfuzur rahman | Major | It takes long time to update and sometimes it is tough to understand whether it will updated or not. | Integration testing with test case 9, 16. |
| 20 | Check “Remove” option for a product to the cart. | Mission,Md Mahfuzur rahman | major | It removes the product but also encounter some error to the lower portion of the page | Integration testing with test case 9, 16. |
| 21 | Check “Place reservation” button to the shopping cart | Mission,Md Mahfuzur rahman | Major | No defect | Integration testing with test case 6, 9, 16. |
| 22 | Check “Continue Shopping” button to the shopping cart. | Mission,Md Mahfuzur rahman | major | No defect | Integration testing with test case 9. |
| 23 | Check “About” option to the navigation menu. | Mission,Md Mahfuzur rahman | Minor | No defect | Usability testing. |

**5.0 Variances:**

In this report, the method for System, User Acceptance and Regression testing were manual. However, the system testing had an automated run too and Selenium web driver was used in the process.

# 6.0 Test Instances:

In this testing, the method was manual. Basic tools are used in this testing. Taste case is created by using black box testing. For system testing, automated method was applied using selenium.

## Resolved Test Incidents

We had to change some settings to run the program on our systems, for automated testing, we had to install and learn about some new drivers and softwares.

## Unresolved Test Incidents

We had to cut down automated testing for only one process, system testing due to shortage of time. A test case could not run on automated driver.

# 7.0 Recommendations

Better testing should be done for this system. Automated testing should be performed for these all test methods.

APPENDIX A: Test Report Approval

The undersigned acknowledge they have reviewed the POS **Test Report** and agree with the approach it presents. Changes to this **Test Report** will be coordinated with and approved by the undersigned or their designated representatives.

|  |  |  |  |
| --- | --- | --- | --- |
| Signature: |  | Date: |  |
| Print Name: | Fahad Ahmed |  |  |
| Title: |  |  |  |
| Role: | Project Manager |  |  |