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B-BAY ECOMMERCE SYSTEM

**Acceptance Test**

**Plan**

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Delivery Date

January 3rd, 2023

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November 8, 2022

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**Introduction**

Purpose of Document

This document is important as it entails all the details of system testing and shows how our company meets the client’s requirement needs. The requirements were divided into their functionalities which will be seen later in this documentation.

Diagram

Description automatically generatedScope of Product

Acronyms

STP: System Test Plan

CPU: Central processing unit

OS: Operating system

## List of Abbreviations

API Application programming interface

B Bay Brookings Bay

Bid Auction

DB Database

ID Identification number

SS Screenshot

## Definitions

Working days = Mon 8am-5pm, Tue 8am-5pm, Wed 8am-5pm, Thur 8am-5pm

References

Portico Regression Testing Policy. (n.d.). Retrieved March 27, 2016, from <https://www.portico.org/wp-content/uploads/2017/12/Portico-Regression-Testing-Guidelines-Operations.pdf>

Overview of Rest of Document

The rest of STP will clarify details of software testing with list of requirements coverage, approaches and test cases for transaction flow test, non-functional requirements using black box test techniques.

**Test Items**

Requirements to be tested

|  |  |  |
| --- | --- | --- |
| No. | FWBS No. | Test description |
| FT4 | 2 | Create a request of auction or consignment |
| FT6 | 4.1 | Try search a item in Home page |

Requirements not tested

|  |  |  |
| --- | --- | --- |
| No. | FWBS No. | Test description |
| FT1 | 1.1 | Create administrator account |
| FT2 | 1.3 | Create Buyer/Seller account |
| FT3 | 1.2 | Login with Buyer/seller account |
| FT5 | 3 | Check the function of the 3 types of lists |
| FT7 | 4.2 | Check if Notificaiton/FAQs/Policy is working |
| FT8 | 5.4 | Check if wish list display correctly |
| 4.3 |
| FT9 | 5.3 | Check if Cart list is working |
| 4.4 |
| FT10 | 5.5 | Try if chat allow communication to right target |
| 4.7 |
| FT11 | 4.8 | Check if history purchase display correctly |
| FT12 | 5.1  5.3  5.4  5.6 | Check if merchandise info display correctly |
| FT13 | 5.2 | Try to Buy a consignment/auction item |
| FT14 | 5.5 | Check if chat with seller function works |

**Approach**

Software Testing Team

The Qnet test team is concurrently handled by our manager of security as the following chart of organization shown.

图示

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## Software Testing Process

Test team should setup test environment before ST1, then follow test schedule, execute final test cases for each claster and record results.

## Hardware & Software Requirements for Testing

CPU:

* Dual-core 1.8GHz processor or Quad-core 2.4-3.5GHz CPU, (3.Intel - Core i9-9900X recommended.
* Must 64-Bit CPU and required for VMWare Workstation 8

RAM:

* 4GB DDR3 (32GB recommended)

Network Interface:

* Network interface for BACSS test software port 1(must be wired to connect to the DUT)

OS:

* Windows 10 Version (1903.18362.592)

Web Browser:

* Google Chrome (Version 80.0.3987.87)

## System Test Schedule table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | FWBS No. | Test description | Executor | Date | P/F |
| FT1 | 1.1 | Create administrator account | Linsong | 5/1/2023 |  |
| FT2 | 1.3 | Create Buyer/Seller account | Habiba | 5/2/2023 |  |
| FT3 | 1.2 | Login with Buyer/seller account | Fatoumata | 5/3/2023 |  |
| FT4 | 2 | Create a request of auction or consignment | Linsong | 5/7/2023 |  |
| FT5 | 3 | Check the function of the 3 types of lists | Fatoumata | 5/9/2023 |  |
| FT6 | 4.1 | Try search a item in Home page | Habiba | 5/12/2023 |  |
| FT7 | 4.2 | Check if Notificaiton/FAQs/Policy is working | Fatoumata | 5/13/2023 |  |
| FT8 | 5.4 | Check if wish list display correctly | Linsong | 5/16/2023 |  |
| 4.3 |
| FT9 | 5.3 | Check if Cart list is working | Habiba | 5/17/2023 |  |
| 4.4 |
| FT10 | 5.5 | Try if chat allow communication to right target | Habiba | 5/20/2023 |  |
| 4.7 |
| FT11 | 4.8 | Check if history purchase display correctly | Fatoumata | 5/21/2023 |  |
| FT12 | 5.1 5.3 5.4 5.6 | Check if merchandise info display correctly | Linsong | 5/22/2023 |  |
| FT13 | 5.2 | Try to Buy a consignment/auction item | Habiba | 5/23/2023 |  |
| FT14 | 5.5 | Check if chat with seller function works | Habiba | 5/27/2023 |  |

## **Transaction flow testing**

## FT8. FWBS4.1 Item search and recommendation

This allows users to search for what they are looking for. We use the data to give recommendations in the future.

a. Requirement based testing

RTM

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Click “Search Item” as IMG8.1 | A page that shows with a panel where product can be search by its name |  |
| Click “Save” as IMG8.2 | A page that shows the saved search history |  |
| Click “Do not save search history” as IMG8.2 | A page that shows no search history |  |
| Clicks on “Item” from “Item List” as IMG8.1 | A page that shows item’s information IMG8.3 |  |

b. Negative testing

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Type “^&({$” on search panel as IMG8.1 | A page that shows orange but might get error search. |  |

c. User documentation testing

|  |  |  |  |
| --- | --- | --- | --- |
| User documentation | Test data | Expected output | Actual output |
| Go to search bar and search desired item | Click “Search Item” as IMG8.1 | A page that shows with a panel where product can be search by its name |  |
| Select item from item list | Clicks on “Item” from “Item List” as IMG8.1 | A page that shows item’s information IMG8.3 |  |

Final test cases:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case No. | Test data | Expected output | Actual output |
| TF8-1 | Click “Search Item” as IMG8.1 | A page that shows with a panel where product can be search by its name as IMG8.1 |  |
| TF8-2 | Click “Save” as IMG8.2 | A page that shows the saved search history as IMG8.2 |  |
| TF8-3 | Click “Do not save search history” as IMG8.2 | A page that shows no search history as IMG8.1 |  |
| TF8-4 | Clicks on “Item” from “Item List” as IMG8.1 | A page that shows with a panel where product can be search by its name and its information as IMG8.3 |  |
| TF8-5 | Type “^&({$” on search panel as IMG8.1 | A page that shows orange but might get error search. |  |

Input and expected output images:

图形用户界面, 应用程序, Teams

描述已自动生成

Pic: IMG8.1

电脑萤幕的截图

描述已自动生成

Pic: IMG8.2

电脑萤幕画面

描述已自动生成

Pic: IMG8.3

## FT9. FWBS4.2, 4.5, 4.6 (Display Notifications, Display FAQs and Display Policy)

This cluster merges the notification functionality, FAQs functionality and policy functionality.

a. Requirement based testing

RTM

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “Notification” as IMG9.1 | A page that shows all the notification as IMG9.2 |  |
| Clicks on “FAQs” as IMG9.1 | A page that shows all the FAQs as IMG9.3 |  |
| Clicks on “Policy” as IMG9.1 | A page that shows all the policy of B-Bay as IMG9.4 |  |

b. Negative testing

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “Register” as IMG9.1 | A page that shows “FAQs” as IMG9.3 |  |
| Put water on the keyboard | A page that shows “FAQs” as IMG9.3 |  |

c. User Documentation testing

|  |  |  |  |
| --- | --- | --- | --- |
| User documentation | Test data | Expected output | Actual output |
| Go to “FAQs” to see the FAQs | Clicks on “Notification” as IMG9.1 | A page that shows all the notification as IMG9.2 |  |
| Go to “Notification” to see the most recent notification | Clicks on “FAQs” as IMG9.1 | A page that shows all the FAQs as IMG9.3 |  |
| Go to “Policy” to see the policy of B-Bay | Clicks on “Policy” as IMG9.1 | A page that shows all the policy of B-Bay as IMG9.4 |  |

Final test cases:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case No. | Test data | Expected output | Actual output |
| TF9-1 | Clicks on “Notification” as IMG9.1 | A page that shows all the notification as IMG9.2 |  |
| TF9-2 | Clicks on “FAQs” as IMG9.1 | A page that shows all the FAQs as IMG9.3 |  |
| TF9-3 | Clicks on “Policy” as IMG9.1 | A page that shows all the policy of B-Bay as IMG9.4 |  |
| TF9-4 | Clicks on “Register” as IMG9.1 | A page that shows “FAQs” as IMG9.3 |  |
| TF9-5 | Put water on the keyboard | A page that shows “FAQs” as IMG9.3 |  |

图形用户界面, 文本, 应用程序

描述已自动生成

Pic: IMG9.1

图形用户界面

描述已自动生成

Pic: IMG9.2

图形用户界面, 文本, 应用程序

描述已自动生成

Pic: IMG9.3

图形用户界面, 文本, 应用程序, 电子邮件

描述已自动生成

Pic: IMG9.4

## FT10. FWBS4.3 Display User’s Wish List

This allows users to show the wish list and also allows them to edit the wish list. And this will offer adding to cart options.

a. Requirement based testing

RTM

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “Wish list” as IMG10.1 | A page that shows wish list as IMG10.2 |  |
| Clicks on “Add to wish list” as IMG10.2 | A page that shows wish list as IMG10.2 |  |

b. Negative Testing

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “My Orders” | A page that shows wish list as IMG10.2 |  |
| Throw mouse through the window | A page that shows wish list as IMG10.2 |  |

c. State Based testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Current state | Test data | Expected next state | Expected output | Actual output |
| Wish list icon | Clicks on “Wish list” as IMG10.1 | Wish list | A page that shows wish list as IMG10.2 |  |
| My Orders icon | Clicks on “My Orders” | Wish list | A page that shows wish list as IMG10.2 |  |

Final test cases:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case No. | Test data | Expected output | Actual output |
| TF10-1 | Clicks on “Wish list” as IMG10.1 | A page that shows wish list as IMG10.2 |  |
| TF10-2 | Clicks on “Add to wish list” as IMG10.2 | A page that shows wish list as IMG10.2 |  |
| TF10-3 | Clicks on “My Orders” | A page that shows wish list as IMG10.2 |  |
| TF10-4 | Throw mouse through the window | A page that shows wish list as IMG10.2 |  |

图形用户界面, 应用程序

描述已自动生成

Pic: IMG10.1

图形用户界面, 应用程序

描述已自动生成

Pic: IMG10.2

## FT11. FWBS4.4 Display Cart List

This will show the user list of products they bought and it will also allow the user

to edit the cart list.

a. Requirement based testing

RTM

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “Cart list” as IMG11.1 | A page that shows cart list as IMG11.2 |  |
| Clicks on “Buy” as IMG11.2 | A page that shows buying information as IMG11.2 |  |

b. Negative Testing

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “My Orders” | A page that shows cart list as IMG11.2 |  |
| Throw mouse through the window | A page that shows cart list as IMG11.2 |  |

c. State based testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Current state | Test data | Expected next state | Expected output | Actual output |
| Cart list icon | Clicks on “Cart list” as IMG11.1 | cart list | A page that shows cart list as IMG11.2 |  |
| My Orders icon | Clicks on “My Orders” | Cart list | A page that shows cart list as IMG11.2 |  |

Final test cases:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case No. | Test data | Expected output | Actual output |
| TF10-1 | Clicks on “Cart list” as IMG11.1 | A page that shows cart list as IMG11.2 |  |
| TF10-2 | Clicks on “Add to cart list” as IMG11.2 | A page that shows buying information as IMG11.2 |  |
| TF10-3 | Clicks on “My Orders” | A page that shows wish list as IMG11.2 |  |
| TF10-4 | Throw mouse through the window | A page that shows wish list as IMG11.2 |  |

图形用户界面, 应用程序

描述已自动生成

Pic: IMG11.1

图形用户界面, 应用程序, Teams

描述已自动生成

Pic: IMG11.2

## FT12. FWBS4.7 Offer “Chat” Button

This enables the user to send and receive messages. It also shows message history.

a. Requirement based testing

RTM

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Click on “Chat” button as IMG12.1 | A page that shows a chat box as IMG12.2 |  |
| Enter message “” on chat box as IMG12.2 | A page that prints “Invalid Message” as IMG12.4 |  |
| Enter message “Hi!” on the chat box as IMG12.2 | A page that prints “Send” as IMG12.3 |  |
| Enter message over 10000 characters as IMG12.2 | A page that prints “Invalid Message” as IMG12.4 |  |

b. Negative testing

|  |  |  |
| --- | --- | --- |
| Input | Expected output | Actual output |
| Enter “” for title as IMG12.1 | A page that print “Invalid message ” as IMG12.2 |  |
| Enter “한국어” as IMG12.1 | A page that is printing “Send” but might see garbled while viewing as IMG12.3 |  |

c. CEG & DT with BVA

Causes Effect

C1: select enter message E1: invalid message

C2: Empty message E2: valid message

C3: 1-10000 characters for message

C4: 10001- infinity characters for message

Cause and Effect Graph

Decision Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | P1 | P2 | P3 | P4 |
| Cause | | | | |
| C1 | 1 | 0 | 0 | 0 |
| C2 | 0 | 1 | 0 | 0 |
| C3 | 0 | 0 | 1 | 0 |
| C4 | 0 | 0 | 0 | 1 |
| Effect | | | | |
| E1 | 1 | 1 | 0 | 1 |
| E2 | 0 | 0 | 1 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| Partitions | Test data | Expected output | Actual output |
| P1 | Select chat box as IMG12.2 | A page that printing chat box as IMG12.2 |  |
| P2 | Empty chat box and try to send it as IMG12.2 | A page that printing “Invalid message” as IMG12.4 |  |
| P3 | Enter message between 1-10000 characters as IMG12.1 | A page that printing “Send” as IMG12.3 |  |
| P4 | Enter message over 10000 characters as IMG12.1 | A page that printing “Invalid message” as IMG12.4 |  |

Final test cases:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case No. | Test data | Expected output | Actual output |
| TF12-1 | Click on “Chat” button as IMG12.1 | A page that shows a chat box as IMG12.2 |  |
| TF12-2 | Enter message “” on chat box as IMG12.2 | A page that prints “Invalid Message” as IMG12.4 |  |
| TF12-3 | Enter message “Hi!” on the chat box as IMG12.2 | A page that prints “Send” as IMG12.3 |  |
| TF12-4 | Enter message over 10000 characters as IMG12.1 | A page that prints “Invalid Message” as IMG12.4 |  |

图形用户界面, 应用程序

描述已自动生成

Pic: IMG11.1

图形用户界面, 文本, 应用程序

描述已自动生成

Pic: IMG11.2

图标

描述已自动生成

Pic: IMG11.3

图形用户界面, 文本, 应用程序

描述已自动生成

Pic: IMG11.4

## FT13. FWBS4.8Offer “History Purchase” Button

This will show the user's purchase history and return policy.

a. Requirement based testing

RTM

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “History purchase” button as IMG13.1 | A page that shows history of purchase as IMG13.2 |  |
| Clicks on “Report error” button as IMG13.1 | A page that shows error reporting page as IMG13.3 |  |
| Clicks on “Return” button | A page that shows return option as IMG13.4 |  |

b. Negative testing

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “My Orders” | A page that shows purchase history as IMG13.2 |  |
| Throw mouse through the window | A page that shows return option as IMG13.4 |  |

c. State based testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Current state | Test data | Expected next state | Expected output | Actual output |
| History purchase icon | Clicks on “History purchase” as IMG13.1 | History purchase list | A page that shows history of purchase as IMG13.2 |  |
| My Orders icon | Clicks on “My Orders” | History purchase list | A page that shows cart list as IMG13.2 |  |
| Report error button | Clicks on “Report error” button as IMG13.1 | Error report | A page that shows error reporting page as IMG13.3 |  |
| Return button | Clicks on “Return” button | Return option | A page that shows return option as IMG13.4 |  |

Final test cases:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case No. | Test data | Expected output | Actual output |
| TF13-1 | Clicks on “History purchase” button as IMG13.1 | A page that shows history of purchase as IMG13.2 |  |
| TF13-2 | Clicks on “Report error” button as IMG13.1 | A page that shows error reporting page as IMG13.3 |  |
| TF13-3 | Clicks on “Return” button | A page that shows return option as IMG13.4 |  |
| TF13-4 | Clicks on “My Orders” | A page that shows purchase history as IMG13.2 |  |
| TF13-5 | Throw mouse through the window | A page that shows return option as IMG13.4 |  |

## FT14. FWBS5.1,5.3,5.4,5.6 Offer “History Purchase” Button

This is a merged cluster consisting of the user's purchase history, user’s reputation and functionalities that will allow users to view items information and add to cart. And this merged cluster is also called History Purchase button.

a. Requirement based testing

RTM

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “Item information”  As IMG14.1 | A page that shows item information14.2 |  |
| Clicks on “Add to cart” button  As IMG14.3 | A page that shows cart list as IMG14.4 |  |
| Clicks on “Add to Wish list” button as IMG14.5 | A page that shows wish list as IMG14.6 |  |
| Clicks on “Reputation” as IMG14.7 | A page that shows user’s reputation |  |

b. Negative testing

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Clicks on “Register” as IMG14.4 | A page that shows cart list as IMG14.4 |  |
| Put water on the keyboard | A page that shows wish list as IMG14.6 |  |

c. State based testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Current state | Test data | Expected next state | Expected output | Actual output |
| Item information icon | Clicks on “Item information”  As IMG14.1 | Item information | A page that shows item information14.2 |  |
| Cart button | Clicks on “Add to cart” button  As IMG14.3 | Cart list | A page that shows cart list as IMG14.4 |  |
| Wish list | Clicks on “Add to Wish list” button as IMG14.5 | Wish list | A page that shows wish list as IMG14.6 |  |
| Reputation | Clicks on “Reputation” as IMG14.7 | Reputation page | A page that shows user’s reputation |  |
| Register icon | Clicks on “Register” as IMG14.4 | Cart list | A page that shows cart list as IMG14.4 |  |

Final test cases:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case No. | Test data | Expected output | Actual output |
| TF14-1 | Clicks on “Item information”  As IMG14.1 | A page that shows item information14.2 |  |
| TF14-2 | Clicks on “Add to cart” button  As IMG14.3 | A page that shows cart list as IMG14.4 |  |
| TF14-3 | Clicks on “Add to Wish list” button as IMG14.5 | A page that shows wish list as IMG14.6 |  |
| TF14-4 | Clicks on “Reputation” as IMG14.7 | A page that shows user’s reputation |  |
| TF14-5 | Clicks on “Register” as IMG14.4 | A page that shows cart list as IMG14.4 |  |
| TF14-6 | Put water on the keyboard | A page that shows wish list as IMG14.6 |  |

图形用户界面, 应用程序

描述已自动生成

Pic: IMG14.3

图形用户界面, 应用程序, Teams

描述已自动生成

Pic: IMG14.4

图形用户界面, 应用程序

描述已自动生成

Pic: IMG14.5

图形用户界面, 应用程序

描述已自动生成

Pic: IMG14.6

## FT15. FWBS 5.2 Buy or Bid Button

This functionality allows buyers to choose between the buy or bid option.

a. Requirement based testing

RTM

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Click on Buy or Bid |  |  |
| User selects Bid button |  |  |
| User enters bid price |  |  |
| User enters char as bid price |  |  |
| User enters negative bid price |  |  |
| User selects Buy button |  |  |
| User enters right payment information |  |  |
| Wrong payment information |  |  |

b. State based Test

|  |  |  |  |
| --- | --- | --- | --- |
| Input | State | Expected output | Actual output |
| Enters Bid/payment price as negative value | No change | Error is displayed. No state change? |  |
| Enters bid/payment price as char | No change | Error is displayed. No state change? |  |
| Enters Bid/payment price as positive value | Change | User proceeds to submit |  |

c. Negative testing

|  |  |  |  |
| --- | --- | --- | --- |
| Input | Description | Expected output | Actual output |
| Enters Bid/payment price <= $0 | Price that is below minimum | Error is displayed. No state change? |  |
| Enters bid/payment price as char | Unacceptable format | Error is displayed. No state change? |  |
| Enters Bid/payment price as > $50 | Acceptable format within range | User proceeds to submit |  |

Test case table

|  |  |  |  |
| --- | --- | --- | --- |
| Partitions | Test data | Expected output | Actual output |
| P1 | Clicks on Buy/Bid | Separate Buy or Bid button present |  |
| P2 | User selects Bid button | Text box populates for the user to enter bid price |  |
| P3 | User enters bid price as positive float | Accepted and submitted |  |
| P4 | User enters char as bid price | Rejected and asked to re-enter price |  |
| P5 | User enters negative float bid price | Rejected and asked to re-enter price |  |
| P6 | User selects buy button | Text box populates for the user to enter payment information |  |
| P7 | User fills in right payment information | Payment done |  |
| P8 | User fills in wrong payment information | Error page? |  |

Final test cases

|  |  |  |  |
| --- | --- | --- | --- |
| Test case No. | Test data | Expected output | Actual output |
| TFT6-1 | User clicks on Buy or Bid | See SS |  |
| TFT6-2 | User selects Bid button | See SS |  |
| TFT6-3 | User enters -$1 as bid price | See SS |  |
| TFT6-4 | User enters $0 as bid price | See SS |  |
| TFT6-5 | User enters $4000 as bid price | See SS |  |
| TFT6-6 | User enters $50 as bid price | See SS |  |
| TFT6-7 | Proceeds to submission | See SS |  |
| TFT6-8 | Select Buy button | See SS |  |
| TFT6-9 | choose valid payment method | See SS |  |
| TFT6-10 | Enter card details | See SS |  |

## FT16. FWBS5.5 Offer “Chat with Seller” Button

This will show user buy and auction options and show payment interface.

a. Requirement based testing

RTM

|  |  |  |
| --- | --- | --- |
| Test data | Expected output | Actual output |
| Click on “Chat with Seller” button as IMG16.1 | A page that shows a chat box as IMG16.2 |  |
| Enter “New Message” button as IMG16.2 | A page that shows a chat box as IMG16.2 |  |
| Enter message “” on chat box during chat with seller as IMG16.2 | A page that prints “Invalid Message” as IMG16.2 |  |
| Enter message “Hi!” on the chat box during chat with seller as IMG16.2 | A page that prints “Send” as IMG16.3 |  |
| Enter message over 10000 characters as IMG16.2 | A page that prints “Invalid Message” as IMG16.4 |  |

b. Negative testing

|  |  |  |
| --- | --- | --- |
| Input | Expected output | Actual output |
| Enter “” for title as IMG12.1 | A page that print “Invalid message ” as IMG12.2 |  |
| Enter “한국어” as IMG12.1 | A page that is printing “Send” but might see garbled while viewing as IMG12.3 |  |

c. CEG & DT with BVA

Causes Effect

C1: select enter message E1: invalid message

C2: Empty message E2: valid message

C3: 1-10000 characters for message

C4: 10001- infinity characters for message

Cause and Effect Graph

Decision Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | P1 | P2 | P3 | P4 |
| Cause | | | | |
| C1 | 1 | 0 | 0 | 0 |
| C2 | 0 | 1 | 0 | 0 |
| C3 | 0 | 0 | 1 | 0 |
| C4 | 0 | 0 | 0 | 1 |
| Effect | | | | |
| E1 | 1 | 1 | 0 | 1 |
| E2 | 0 | 0 | 1 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| Partitions | Test data | Expected output | Actual output |
| P1 | Select chat box as IMG16.1 | A page that printing chat box as IMG16.2 |  |
| P2 | Empty chat box and try to send it as IMG16.2 | A page that printing “Invalid message” as IMG16.4 |  |
| P3 | Enter message between 1-10000 characters as IMG16.1 | A page that printing “Send” as IMG16.3 |  |
| P4 | Enter message over 10000 characters as IMG16.1 | A page that printing “Invalid message” as IMG16.4 |  |

Final test cases:

|  |  |  |  |
| --- | --- | --- | --- |
| Test case No. | Test data | Expected output | Actual output |
| TF12-1 | Click on “Chat with Seller” button as IMG16.1 | A page that shows a chat box as IMG16.2 |  |
| TF12-2 | Enter message “” on chat box as IMG16.2 | A page that prints “Invalid Message” as IMG16.4 |  |
| TF12-3 | Enter message “Hi!” on the chat box as IMG16.2 | A page that prints “Send” as IMG16.3 |  |
| TF12-4 | Enter message over 10000 characters as IMG16.1 | A page that prints “Invalid Message” as IMG16.4 |  |

图形用户界面, 应用程序

描述已自动生成

Pic: IMG16.1

图形用户界面, 文本, 应用程序

描述已自动生成

Pic: IMG16.2

图标

描述已自动生成

Pic: IMG16.3

图形用户界面, 文本, 应用程序

描述已自动生成

Pic: IMG16.4

**Non-Functional Requirement Test**

a. Compatibility Test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test environment | | | Test Input&Expected output | Pass/Fail |
| Browsers | OS | Devices |  |  |
| Chrome | Win 10 22H2 | Acre predator 300 2019 | As TFT1.3 |  |
| As TFT1.2 |  |
| As TFT2.1 |  |
| As TFT3.1.2 |  |
| As TFT4.1.1.1 |  |
| As TFT5.1 |  |
| As TFT5.2 |  |
| ios 16.1.1 | iPhone xr | As TFT1.3 |  |
| As TFT1.2 |  |
| As TFT2.1 |  |
| As TFT3.1.2 |  |
| As TFT4.1.1.1 |  |
| As TFT5.1 |  |
| As TFT5.2 |  |
| Android 13 | Huawei honor 2020 | As TFT1.3 |  |
| As TFT1.2 |  |
| As TFT2.1 |  |
| As TFT3.1.2 |  |
| As TFT4.1.1.1 |  |
| As TFT5.1 |  |
| As TFT5.2 |  |
| Mac OS 13.0.1 | Mac air 2020 | As TFT1.3 |  |
| As TFT1.2 |  |
| As TFT2.1 |  |
| As TFT3.1.2 |  |
| As TFT4.1.1.1 |  |
| As TFT5.1 |  |
| As TFT5.2 |  |
| IE | Win 10 22H2 | Acre predator 300 2019 | As TFT1.3 |  |
| As TFT1.2 |  |
| As TFT2.1 |  |
| As TFT3.1.2 |  |
| As TFT4.1.1.1 |  |
| As TFT5.1 |  |
| As TFT5.2 |  |
| ios 16.1.1 | iPhone xr | As TFT1.3 |  |
| As TFT1.2 |  |
| As TFT2.1 |  |
| As TFT3.1.2 |  |
| As TFT4.1.1.1 |  |
| As TFT5.1 |  |
| As TFT5.2 |  |
| Android 13 | Huawei honor 2020 | As TFT1.3 |  |
| As TFT1.2 |  |
| As TFT2.1 |  |
| As TFT3.1.2 |  |
| As TFT4.1.1.1 |  |
| As TFT5.1 |  |
| As TFT5.2 |  |
| Mac OS 13.0.1 | Mac air 2020 | As TFT1.3 |  |
| As TFT1.2 |  |
| As TFT2.1 |  |
| As TFT3.1.2 |  |
| As TFT4.1.1.1 |  |
| As TFT5.1 |  |
| As TFT5.2 |  |

b. Regression Test with Policy

RT1. Policy Statement

RT1.1. To ensure the integrity of ingested content, Unlimited will conduct regression testing in the Setup environment before deploying any transform or profile to BAC scheduling system for publisher content that is already in production. When necessary, regression testing will also be conducted Unlimited to deploying system changes to BAC scheduling system.

RT 2. Implementation Examples

RT 2.1. A test suite for each publisher stream where content is being ingested has been created and is used whenever regression testing is required. Test suites include content that originally processed without problems as well as content that had validation and/or other issues that were resolved programmatically.

• The files for each batch in the test suite should be copied from their storage location to the appropriate publisher-named regression directory. From there they will be loaded into BAC scheduling system.

RT 2.2. Transform Changes:

• Regression testing is done by default whenever a transform change is deployed to the Setup environment.

• Where a transform is used for only one publisher, that publisher’s test suite is used for regression testing.

• Where a transform is used for multiple publishers (typically publishers whose content comes from the same publishing platform), the test suites of all publishers sharing the transform are used for regression testing.

• The correct publisher profile(s) must also be added to the Provider Mapping under the correct publisher-specific regression testing entry in order to complete testing.

• Each batch must process successfully until reaching the “Inspect” activity, or, if known problems exist, must make it to the activity at which it previously failed.

• If the data team has recommended visual inspection of certain components, inspection must occur, otherwise testing is considered complete once “Inspect” is reached. The nature and degree of inspection needed will be specified by the data team.

• If any batch does is not tested successfully, and the failure is deemed to be due to a problem with the transform, the problems must be reported through tester and additional changes must be made to the transform.

• Deployment of the transform software to the Production environment will occur only when the entire test suite processes cleanly with both auto and manual QC checks completed. 2.3. Profile Changes:

• All profile changes are made in the Setup environment.

• Regression testing using the profile and appropriate transform must be successfully completed before the profile is deployed to the Ingest environment.

o Each batch must process successfully until reaching the “Inspect” activity, or, if known problems exist, must make it to the activity at which it previously failed.

RT 2.4. System Changes:

• The decision as to whether or not to conduct regression testing in the Setup environment prior to the deployment of system changes to the Production environment is made on a case-by-case basis by the technology team.

• The technology team will also advise as to which or how many publishers require testing.

• Regression testing is considered successful if all batches make it to the “Inspect” activity or, at a minimum, make it past the activity that is affected by the system change.

c. Stress and Performance Test

|  |  |
| --- | --- |
| Test Input&Expected output | Pass/Fail |
| Do 10 TFT1.3 at the same time |  |
| Do 10 TFT1.3 at the same time |  |
| Do 10 TFT1.3 at the same time |  |
| Do 10 TFT1.3 at the same time |  |
| Do 10 TFT4.1.1.1 at the same time |  |
| Do 10 TFT5.1 at the same time |  |
| Do 10 TFT5.2 at the same time |  |
| Do 1000 TFT1.3 at the same time |  |
| Do 1000 TFT1.3 at the same time |  |
| Do 1000 TFT1.3 at the same time |  |
| Do 1000 TFT1.3 at the same time |  |
| Do 1000 TFT4.1.1.1 at the same time |  |
| Do 1000 TFT5.1 at the same time |  |
| Do 1000 TFT5.2 at the same time |  |

d. Back-up and Recovery Test

|  |  |  |
| --- | --- | --- |
| Test Input | Expected outcome | P/F |
| Manager A shall copy and zip file “B-Bay.dbo” from “C:\Program Files\B-Bay”, and paste it to “C:\Program Files\B-Bay\back-up”, rename as the date | Find .zip file in “C:\Program Files\B-Bay\back-up” |  |
| Create a account as TFT1.3 using ID “TestID” and PassWord “TestPassWord”.  Open “C:\Program Files\B-Bay\back-up”, selete .zip file that the name is “2022.12”, unzip and cover the “B-Bay.dbo” from“C:\Program Files\B-Bay”  Login as TFT1.2 using “TestID” and “TestPassWord” | Login failed. |  |

e. Security Test

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Input | Expected outcome | Pass/Fail |
| Try to edit database (change the schedule list) without manager ID. | Create and login as TFT1 | Won’t be able to find way to edit schedule list. |  |
| Try to login manager ID with Wrong Passwrod | Try to Login as TFT1.2 with “Linsong” and “1234” | Login fail |  |
| Vulnerability Scanning | Run a vulnerability scanner | 0 vulnerability signature |  |
| Security Scanning | Run a security scanner | 0 weaknesses |  |
| Penetration testing | Try to hack the webpage, for this case: try Worm | Unable to hack. |  |