Appendix J User Acceptance Testing

In the User Acceptance Testing(UAT), the team designed and implemented detailed testings on website formats and business functions. Appendix H Preliminary Testing Cases forms the test basis of UAT.

1.0 Test Scope
In-scope Features
    A. Feature ID 1 - User registration & Corresponding interface
    B. Feature ID 2 - User Login & Corresponding interface
    C. Feature ID 3 - Information Update & Main dashboard
    D. Feature ID 4 - User Booking Creation & Format
    E. Feature ID 6 - Quote Interface
    F. Feature ID 7 - Database(User, Shipper, Collector, Booking)
    G. Feature ID 8 - User booking history viewing and manipulation
    H. Feature ID 9 - Shipper ACK edition
    I. Feature ID 10 - the Automatic Email system
    J. Feature ID 15 - Booking ID query

Out-scope Features
    A. External payment platform
    B. Server Stability

2.0 Acceptance criteria
    A. Scenario - Customers register information to the system
    Given I am an unregistered customer and l am on the registration page. When I fill in all the information correctly, the registered email not taken and l click submits button, then I shall get a success message and the system signs me in.
    When I miss some fields or type invalid information or the email is already taken, then I shall get messages indicating what's going wrong and stay in the registration page.
    B. Scenario - Customers/Shipper/Collector sign in to the system
    Given I am a registered user and l am on the login page.
    When I type correct username and password and click the login button, then the system should sign me in.
    When I type incorrect username and password and click the login button, then the system should tell what's going wrong and stay in the login page.
    C. Scenario - Customers track package
    Given I am on the home page.
    When I type correct booking ID and click Track My Package button, then the system should show me the package status.

When I type incorrect booking ID and click Track My Package button, then the system should tell me the ID not exist.

D. Scenario - Customers navigation

Given l am a sign-in user and I am on the user main page.

When I click the navigation button, then the system shall go to the corresponding website page and navigation buttons are still on the page and are working.

When I click the LOG OUT button, then the system shall then me out and go to the homepage.

E. Scenario - Customers update information

Given I am a sign-in customer and on the Update Account page.

When I edit my information and click the update button, then the system should show the success message and go to user main.

When I abandon editing and click go back button, then the system should show the success message and go to user main.

F. Scenario - Customers view history order

Given I am a sign-in customer who made bookings before and on the booking history page. When I click an entry, then the system will show me all the booking information but l can not edit them, and when I click Back to History, then the system will go back to order history page.

G. Scenario - Customers create a new booking

Given I am a sign-in customer and on the New Booking page.

When I fill in all required information with valid input and select prompted dates and click Get a Quote button, then the system will show me the quote page which contains all correct information I entered and the system calculated the cost.

When I miss some fields or give invalid inputs and click the button, then the system will stay on the page and show me the error message.

H. Scenario - Customers view quote

Given I have already entered all information on a new booking and on the quote page.

When I click the Paid button, then the booking should be created and the system should show a success message and go back to the new booking page.

When I want to edit some information and click the goBack button, the system should not create the booking and go back to the new booking information page.

I. Scenario - Super User main page

Given I am a superuser(Shipper/Collector) and on the main page, I can see all the bookings of all users.

When I select one particular booking and click the Select button, then the system will show me all the related information about that booking but I can not edit the information if I am a collector.

When I am a shipper and select one particular information, then the system will show me all the related information and I can edit part of the information if I want. When I edit part of the information and click Save and Send Email, then the change will be saved, all users can see the change and change notification email will be sent to all related parties.

3.0 Test Scripts

3.1 Form-Based Test Script

To ensure that each page satisfies the requirements of the project guideline, it is important to perform the test. The testing basically checks all buttons, input boxes, selection buttons, and date picker.

Pages are grouped into different modules for the simplicity of the illustration. Testing for each module is shown below.

Module ID	Module name
3.1.1	Home, Customer Login, Shipper Login, Collector Login, Tracking Status, Customer Register, Update Account
3.1.2	User Main, Shipper Main, Collector Main, Booking History
3.1.3	New Booking
3.1.4	Quote
3.1.5	ACK, Shipper Booking Details, Collector Booking Details

3.1.1 Module Name:
Home, Customer Login, Shipper Login, Collector Login, Tracking Status, Customer Register, Update Account.

Form-Based Testing Component	Pass/Fail	Date	Test by	Comment
Word fonts and colors are accords with the website theme.	Pass	12/10/2018	Christina Xu	
Titles identify each window correctly, and field labels appropriately.	Pass	12/10/2018	Christina Xu	

Form-Based Testing Component	Pass/Fail	Date	Test by	Comment
Warning messages are accurate when needed.	Pass	12/10/2018	Christina Xu	Error messages are in red color. When the user input is wrong, the corresponding error message will be shown on the screen.
Buttons displayed at the correct position as needed.	Pass	12/10/2018	Christina Xu	

3.1.2 Module Name:
User Main, Shipper Main, Collector Main, Booking History

Form-Based Testing Component	Pass/Fail	Date	Test by	Comment
Word fonts and colors are accords with the website theme.	Pass	12/10/2018	Christina Xu	
Titles identify each window correctly, and field labels appropriately.	Pass	12/10/2018	Christina Xu	
Buttons displayed at the correct position as needed.	Pass	12/10/2018	Christina Xu	Place the 'Log out' button on top of the screen. It is necessary for users to safely log out.

3.1.3 Module Name:
New Booking

Form-Based Testing Component	Pass/Fail	Date	Test by	Comment
Word fonts and colors are accords with the website theme.	Pass	12/10/2018	Christina Xu	
Titles identify each window correctly, and field labels appropriately.	Pass	12/10/2018	Christina Xu	

Date formats correctly (Weekday MON-DD-YYYY).	Pass	12/10/2018	Christina Xu	By clicking the select date table, the correct format of the date will display on the screen.
Warning messages are accurate when needed.	Pass	12/10/2018	Christina Xu	The error message will notice user which input is wrong.

3.1.4 Module Name:

Quote

Form-Based Testing Component	Pass/Fail	Date	Test by	Comment
Word fonts and colors are accords with the website theme.	Pass	12/10/2018	Christina Xu	
Buttons displayed at the correct position as needed.	Pass	12/10/2018	Christina Xu	To avoid making a real transaction online, by clicking the 'Paid" button, the system assumes that the customer paid, and return the success notice.

3.1.5 Module Name:

ACK, Shipper Booking Details, Collector Booking Details

Form-Based Testing Component	Pass/Fail	Date	Test by	Comment
Word fonts and colors are accords with the website theme.	Pass	12/10/2018	Christina Xu	
Date formats correctly (Weekday MON-DD-YYYY).	Pass	12/10/2018	Christina Xu	
Buttons displayed at the correct position as needed.	Pass	12/10/2018	Christina Xu	Place the 'Log out' button on top of the screen.

3.2 Business Process Test Script

In order to make sure all of the functional requirements are working correctly, all test cases for each User Security level will be completed in this section. By doing this, each Security Level has different access to different functions. The User Security level in this project is Shipper, Collector, and User.

Module ID	Module name	Security Level
3.2.1	Customer Register	Customer
3.2.2	Customer Login	Customer
3.2.3	New Booking	Customer
3.2.4	Get Quote	Customer
3.2.5	Booking History	Customer
3.2.6	Update Account	Customer
3.2.8	Shipper Login	Shipper
3.2.8	Shipper ACK	Shipper
3.2.9	Shipper ACK editing	Shipper
3.2.10	Collector Login	Collector
3.2.11	Collector Viewing	Collector

3.2.1 Module Name:

Customer Register   User Security Level: Customer

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Does the home button navigate to the Home page?	Pass	12/10/2018	Xinjie Lan	
2. Is the correct module name displayed at the top of the window?	Pass	12/10/2018	Xinjie Lan	

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
3. Is the register button functionally working?	Pass	12/10/2018	Xinjie Lan	
4. Is the content of register form correct?	Pass	12/10/2018	Xinjie Lan	
6. Does the message/text box display text correctly?	Pass	12/10/2018	Xinjie Lan	
7. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	
8. Does the About Us appear at the bottom of the page?	Pass	12/10/2018	Xinjie Lan	

3.2.2 Module Name:

Customer Login User Security Level: Customer

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Does sign-in button in the homepage navigate to the correct module?	Pass	12/10/2018	Xinjie Lan	
2. Is the correct module displayed at the right of the window?	Pass	12/10/2018	Xinjie Lan	
3. Are the Log-In and home button available?	Pass	12/10/2018	Xinjie Lan	
4. Access to the application not allowed unless the user is set up in Staffs and as an active application user (as defined in user detail maintenance)	Pass	12/10/2018	Xinjie Lan	
5. Does the message/text box display text correctly?	Pass	12/10/2018	Xinjie Lan	
6. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	

3.2.3 Module Name:

New Booking   User Security Level: Customer

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Does New Booking button navigate to the correct module?	Pass	12/10/2018	Xinjie Lan	
2. Is the correct module name displayed at the top of the window?	Pass	12/10/2018	Xinjie Lan	
3. Is the get quote button available and functional working?	Pass	12/10/2018	Xinjie Lan	
4. Are the appropriate menu options available, (based on the security matrix)?	Pass	12/10/2018	Xinjie Lan	
5. Access to the application not allowed unless the user is set up in Staffs and as an active application user (as defined in user detail maintenance)	Pass	12/10/2018	Xinjie Lan	
6. Does the message/text box display text correctly?	Pass	12/10/2018	Xinjie Lan	
7. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	
8. Does the menu bar appear at the top of the page?	Pass	12/10/2018	Xinjie Lan	

3.2.4 Module Name:

Get Quote   User Security Level: Customer

Business Process Testing Component	Pass/Fail	Date	Test by	Comment

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Does get quote button from new booking page navigate to the correct module?	Pass	12/10/2018	Xinjie Lan	
2. Is the correct module name displayed at the top of the window?	Pass	12/10/2018	Xinjie Lan	
3. Are there three options for customer to select?	Pass	12/10/2018	Xinjie Lan	Options for customer are:Go back, Paid, Buy Now
4. Are the appropriate menu options available, (based on the security matrix)?	Pass	12/10/2018	Xinjie Lan	
6. Does the quote information display correctly?	Pass	12/10/2018	Xinjie Lan	
7. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	
8. Does the menu bar appear at the top of the page?	Pass	12/10/2018	Xinjie Lan	

3.2.5 Module Name:

Booking History   User Security Level: Customer

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Does Booking history button from menu bar navigate to the correct module?	Pass	12/10/2018	Xinjie Lan	
2. Is the correct module name displayed at the top of the window?	Pass	12/10/2018	Xinjie Lan	
3. Are booking histories listed for customer to select?	Pass	12/10/2018	Xinjie Lan	The display of booking history is based on their booking number

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
4. Are the appropriate menu options available, (based on the security matrix)?	Pass	12/10/2018	Xinjie Lan	
6. Is the select button functional working?	Pass	12/10/2018	Xinjie Lan	
7. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	
8. Does the menu bar appear at the top of the page?	Pass	12/10/2018	Xinjie Lan	
9. Does the Back to History button working correctly?	Pass	12/10/2018	Xinjie Lan	

3.2.6 Module Name:

Update Account User Security Level: Customer

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Does Update Account button navigate to the right page?	Pass	12/10/2018	Xinjie Lan	
2. Is the correct module name displayed at the top of the window?	Pass	12/10/2018	Xinjie Lan	
3. Are the Name, Phone, Address editable?	Pass	12/10/2018	Xinjie Lan	
4. Are the Email , Password not editable?	Pass	12/10/2018	Xinjie Lan	
6. Does the message/text box display text correctly?	Pass	12/10/2018	Xinjie Lan	
7. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	
8. Does the About Us appear at the bottom of the page?	Pass	12/10/2018	Xinjie Lan	

3.2.7 Module Name:

Shipper Login   User Security Level: Shipper

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Does the sign-in button in the homepage navigate to the correct module?	Pass	12/10/2018	Xinjie Lan	
2. Is the correct module displayed at the right of the window?	Pass	12/10/2018	Xinjie Lan	
3. Are the Log-In and home button available?	Pass	12/10/2018	Xinjie Lan	
5. Does the message/text box display text correctly?	Pass	12/10/2018	Xinjie Lan	
6. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	

3.2.8 Module Name:

Shipper ACK   User Security Level: Shipper

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Do the bookings show correctly?	Pass	12/10/2018	Xinjie Lan	Showing booking numbers here
2. Is the correct module displayed at the right of the window?	Pass	12/10/2018	Xinjie Lan	
4. Does the select button successfully navigate to order page	Pass	12/10/2018	Xinjie Lan	

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
5. Does the message/text box display text correctly?	Pass	12/10/2018	Xinjie Lan	
6. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	

3.2.9 Module Name:

Shipper ACK editing   User Security Level: Shipper

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Are the status, pick-up date, pick-up time, message and HBL editable?	Pass	12/10/2018	Xinjie Lan	
2. Is booking information from the customer showing correctly?	Pass	12/10/2018	Xinjie Lan	
4. Does the save and send email button successfully work correctly?	Pass	12/10/2018	Xinjie Lan	
5. Does the message/text box display text correctly?	Pass	12/10/2018	Xinjie Lan	
6. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	

3.2.10 Module Name:

Collector Login   User Security Level: Collector

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Does the sign-in button in the homepage navigate to the correct module?	Pass	12/10/2018	Xinjie Lan	
2. Is the correct module displayed at the right of the window?	Pass	12/10/2018	Xinjie Lan	

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
3. Are the Log-In and home button available?	Pass	12/10/2018	Xinjie Lan	
5. Does the message/text box display text correctly?	Pass	12/10/2018	Xinjie Lan	
6. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	

3.2.11 Module Name: Collector Viewing   User Security Level: Collector

Business Process Testing Component	Pass/Fail	Date	Test by	Comment
1. Does the select button successfully navigate to order page	Pass	12/10/2018	Xinjie Lan	
2. Is booking information from the customer showing correctly?	Pass	12/10/2018	Xinjie Lan	
3. Is the Back to Collector button available?	Pass	12/10/2018	Xinjie Lan	
5. Does the message/text box display text correctly?	Pass	12/10/2018	Xinjie Lan	
6. Do the graphics appear clearly and display correctly?	Pass	12/10/2018	Xinjie Lan	

Reference:

1. [Online]. Available: https://www2.gov.bc.ca/assets/gov/british...our.../moe_mal_uat_template.doc. [Accessed: 12-Oct-2018].