**Carrier booking - Requirement Document**

Revisions

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| --- | --- | --- | --- |
| Version | Author | Description | Date |
| 1.1 | Krishna Purohit | Carrier Booking requirement doc | 3/9/2022 |
|  |  |  |  |

Approvals:

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Date** |
| Requested By | Krishna Purohit | 3/9/2022 |
| Requested By |  |  |
| Approved By |  |  |
| Approved By |  |  |
| Approved By |  |  |

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# Overview

Client is a courier multinational company using an old IT system for creating the shipper booking. Client wants to upgrade their IT system with latest micro services driven responsive application. Client is a conglomerate and have operation in various countries.

Essentially, client is looking for 6 screens as mentioned below,

1. Create shipper booking screen.
2. Search shipper booking screen.
3. Create Carrier booking screen.
4. Search carrier booking screen.
5. Dashboard
6. User Profile screen.

# Application Flow

1. User will successful login to the application,
2. User will create the shipper booking,
3. By selecting multiple or single shipper booking the carrier booking will be created,
4. User can search for carrier booking.
5. Carrier booking/ shipper booking status count must be presented on the dashboard screen.
6. There should be a user profile screen, where the essential information regarding an user must be saved.
7. From user profile screen, user type will control the application access.

Every user has a type and bases on the type have control on the access to application, more detail about the user role matrix is provided in the bellow attached document.

# Common Requirements

Grid structure across the application (shipper booking screen, carrier booking screen, dashboard watchlist screen) should provide following capabilities as mentioned below,

* Pagination,
* Total count of result found,
* Capability to download the result in PDF, CSV, XLS format.
* Capability to rearrange the grid columns based on user discretion. The sample screen has been shown below.

Graphical user interface, application

Description automatically generated

# Shipper booking

The shipper booking provides the important information regarding any shipment. Shipper booking is the alternative word used for shipments. When shipments are created, they are sent to carrier to ship them to the end user.

User will perform below steps on this screen.

1. Create/Save shipper booking transaction.

The essential column and fields required to create the shipper booking screen form should be taken from the attached master data sheet.



1. Search Shipper booking attributes
   1. The search criteria in Shipper Booking screen should include:
      1. Booking Number (refer to Shipper Booking)
      2. Shipper Booking Status
      3. Customer Name
      4. Master Customer Name
      5. Place of Receipt
      6. Port of Loading
      7. Port of Discharge
      8. Final Destination
      9. ACS Voyage#
      10. Vessel Name
      11. Estimated Date of Delivery
      12. Load Type
      13. Shipper
      14. Carrier Booking Status
   2. User should be able to save the search (and sort) criteria for future reference by clicking “Save Search”
   3. User should be able to select one or multiple Shipper Booking(s) and click on “Create Carrier Booking”.
   4. Upon clicking “Create Carrier Booking”, three sub-actions should be made available:

Graphical user interface, text, application, chat or text message

Description automatically generated

* 1. Without Booking - Allows user to create carrier booking without selecting any shipper booking.
  2. Each Booking - Each selected shipper booking should have a corresponding associated carrier booking, e.g. if user selected 10 shipper bookings and click this action, 10 carrier bookings should be created, each associated with one shipper booking. Thus, in the “Create Carrier Booking” screen, user should see the 1st carrier booking associated with 1st shipper booking, user can fill-in the details and click on “Save & Next” to move to the 2nd carrier booking creation and so forth. (Let’s limit to selection count to 20 if user choose to create “each booking” - to be confirmed with SQ)
  3. Group of Bookings - All selected shipper bookings should be grouped and associated into a single carrier booking. When this option is selected, below validations should be performed. Once all conditions are validated successfully, system should display the “Create Carrier Booking” screen with all the selected shipper bookings, and “Save” button (note: not “Save & Next”)
     1. System should validate all selected bookings contain AVoyage #

if anyone/more selected booking(s) do not have an AVoyage #, system should display a hard-stop pop-up message “Booking(s) xxxxx, xxxxx, xxxxx do not contain AVoyage #. Please update the value in ACSR before proceeding to create carrier booking in CBSM.”

* + 1. Once all selected bookings contain AVoyage #, system should validate they are same AVoyage #
    2. if AVoyage # differs, system should display a hard-stop pop-up message “Bookings of different voyages cannot be grouped into a single carrier booking.”
    3. Upon clicking “Ok” on the pop-up message, the message box should be closed, and user should be brought back to the Shipper Booking View page with the search results (based on previous search and sort criteria) and selected bookings indicated.

# Carrier booking screen

Carrier booking provide the required visibility for the international carriers to transport shipment from one place to another. Carrier booking can consist of one or more shipper booking data.

The sample data for the carrier booking is attached below.



1. Any user is allowed to modify the reason code and the issue code of the carrier booking transaction. User should be able to modify and Save the status and issue code against the individual selected transactions.

Graphical user interface, application

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1. Carrier booking number should be a hyperlink to edit the carrier transaction.

## 4.1 Group booking

* 1. User should be allowed to alter some of the pre-populated fields and click “Save Draft” or “Create Carrier Booking” to have a copy of carrier booking entity saved into system.
  2. User should be able to select multiple shipper bookings from “Search Shipper Booking” screen, and click on “Create Carrier Booking → Group of Bookings”

## 4.2 Each Booking

* 1. User should be able to select multiple shipper bookings from “Search Shipper Booking” screen, and click on “Create Carrier Booking → Each Booking.
  2. User should be allowed to alter some of the pre-populated fields and click “Save Draft” or “Create Carrier Booking” to have a copy of carrier booking entity saved into system.
  3. In addition to “Save Draft” and “Create Carrier Booking” action buttons, a “Next” action button should also appear.

## 4.3 Blank Booking

* 1. Create Carrier Booking” screen should be displayed upon clicking “Create Carrier Booking → Without Booking” action in the “Search Shipper Booking” screen. If user has selected some shipper bookings in the “Search Shipper Booking” screen, the selection should be ignored when this action is clicked.
  2. User should be allowed to alter some of the pre-populated fields and click “Save Draft” or “Create Carrier Booking” to have a copy of carrier booking entity saved into system.
  3. Since there is no shipper booking associated to carrier booking created via this option, all the fields should be blank except for below:
     1. Carrier Booking Number
     2. Carrier Booking Status
     3. Create User ID
     4. Create Timestamp

# User profile screen

User profile screen should capture below information,

* User ID
* User Full Name
* User Email ID
* User Role
* User Office
* Date Format
* Time Zone
* Status
* User access region card having option to select the region – country – office
* Created By
* Last Updated By
* Reset Button Save button

## 5.1 User Role matrix –

As mentioned in the below document, some user accessibility is controlled through the control matrix. System should have capability to allow the application access according to the user role.



Region country and office ID data is given below. The transactions are stored against each office ID. During shipper booking search or carrier booking search the user can search transactions against the office ID.



# Dashboard screen

Dashboard screen provides quick access for the visibility of the content on the application. Client needs an interactive dashboard where the transactions for shipper and carrier are displayed according to their status.

There must be a watchlist section in the dashboard, where once the user select the carrier booking as important then same must be reflected in the watchlist section in the dashboard screen.

Sample dashboard screen is provided below,

A screenshot of a computer

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