WAREHOUSE MANAGEMENT SYSTEM

Passenger Control System

Note: This document is written based on the Standard version of CRiSTAL Warehouse Management System. Some of the functionality described may not be available in the other versions.

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Version 5.395

1. INTRODUCTION

Passenger Control System is designed to track the movements of registered fares or passengers being transported or ferried from point A to point B and/or vice versa.

The system incorporates use of keyboard wedge scanner to facilitate recording of the passengers that go onboard transporters - ferries, buses...

A passenger registry enables the company to register the authorised passengers for the transport services. Each passenger is assigned a Passenger No (number) under a specific client of the company.

The Passenger No must be unique. Namely, one Passenger No can only be assigned to 1 person and each person with 1 client. The rationale for the limitation is to simplify the recording of the passengers boarding a ferry and still enable the system to compute the trips made by the staff of a client.

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2. PASSENGER REGISTRY

The Passenger Registry is for the purpose of recording authorised fares to use the company transportation.

Registering of the fares is client specific. However, the Passenger No or code must be unique regardless of the client. The objective is to establish the passenger relationship to 1 client and thereafter enable the company to compute and generate reports for each client.

2.1.   Enabling Passenger Photography

The function also allows photo of the passenger to be linked to each passenger code. The file type of the photo or image is JPG. The image file name is the passenger code itself.

In the example above, the image file name is UNITED00001.JPG

The adoption of the file naming convention is to eliminate the need to having to define the passenger code to image file link for every passenger.

The image file is to be deposited or stored in a specific folder on one of the machine in the network. The machine is required to run Microsoft™ IIS (Internet Information Service) service.

The folder where the image file are stored is to be enabled for Web Sharing with Aliases name as ''Image'.

2.2.   Adding new passenger

To add a new passenger, click Clear and input the data as required:

1. Passenger Name

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2. Address and Country

    a. Click on the caption 'Address' – this open the address formatting window as below.

    b. The purpose of the formatting window is to standardise the address structure.

    c. Alternatively just input the address and country in the boxes
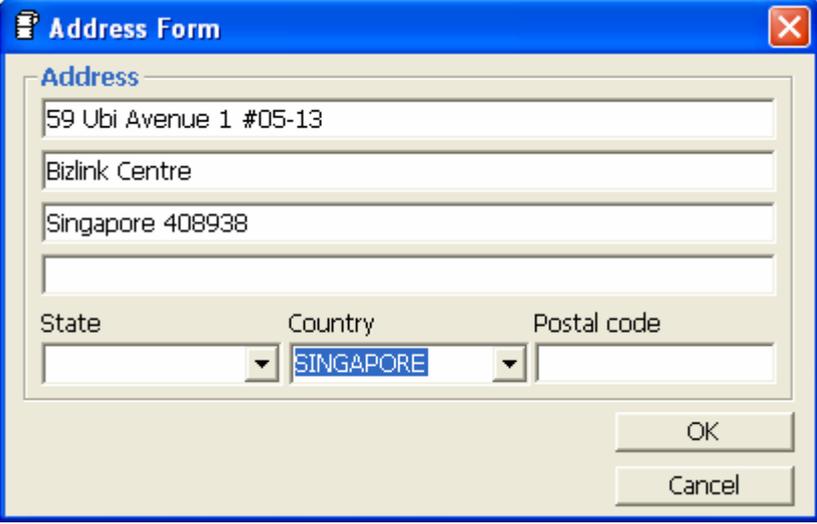
3. Passport Number

4. Status

    a. ACTIVE

    b. INACTIVE

        i. Passenger will not be allowed to board or use the transportation

    c. BLOCKED

        i. Passenger will not be blocked from boarding or using the transportation

5. Valid Till

6. Date of Birth

7. Work Permit

8. Job Title

    a. This is selected from a popup window which appears when the down arrow on the right of the box is clicked.

    b. The Job Title to be used is to be first defined in Administration | System | System Parameter Maintenance -> Job Title

9. Place of Work

    a. This is selected from a popup window which appears when the down arrow on the right of the box is clicked.

    b. The Place of Work codes to be used is to be first defined in Administration | System | System Parameter Maintenance -> Place of Work

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Click Save on completion.

2.3.   Updating Passenger Profile

To update the profile of an existing passenger, select the passenger from the grid box on the left by clicking on the required row.

Amend the fields as required

Click Save on completion.

2.4.   Report

The Passenger List for each of the client can be printed by clicking on Print or Preview.

A sample is shown in the Appendix.

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3. PASSENGERS MOVEMENT TRACKING

The Passenger Movement Tracking is divided into 2 options

- Embarkation
  - Recording of passenger boarding the ferries
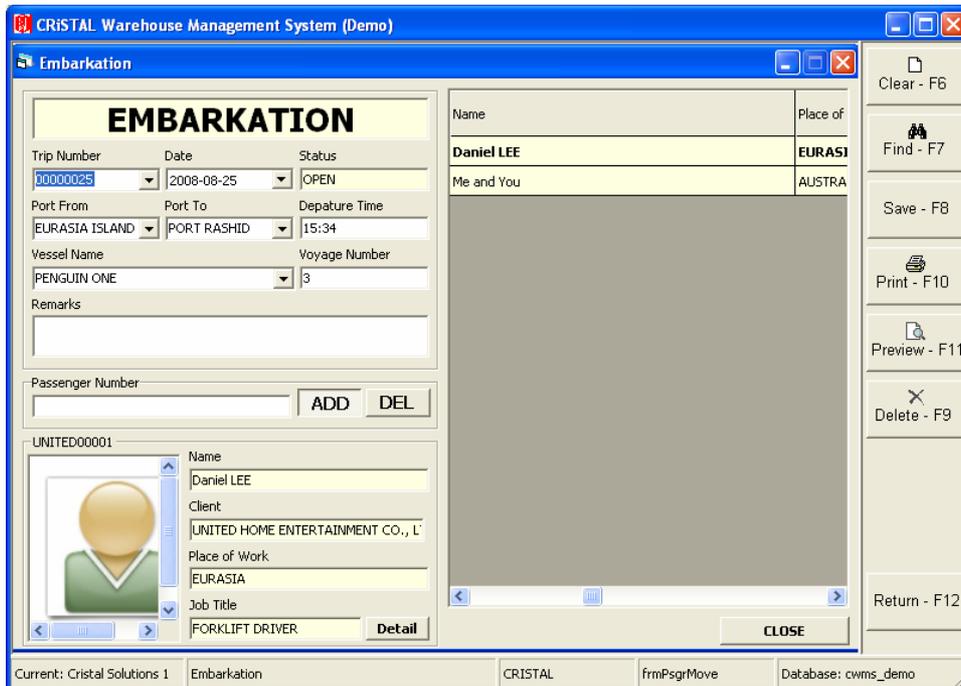
- Disembarkation
  - Recording of passenger getting off the ferries
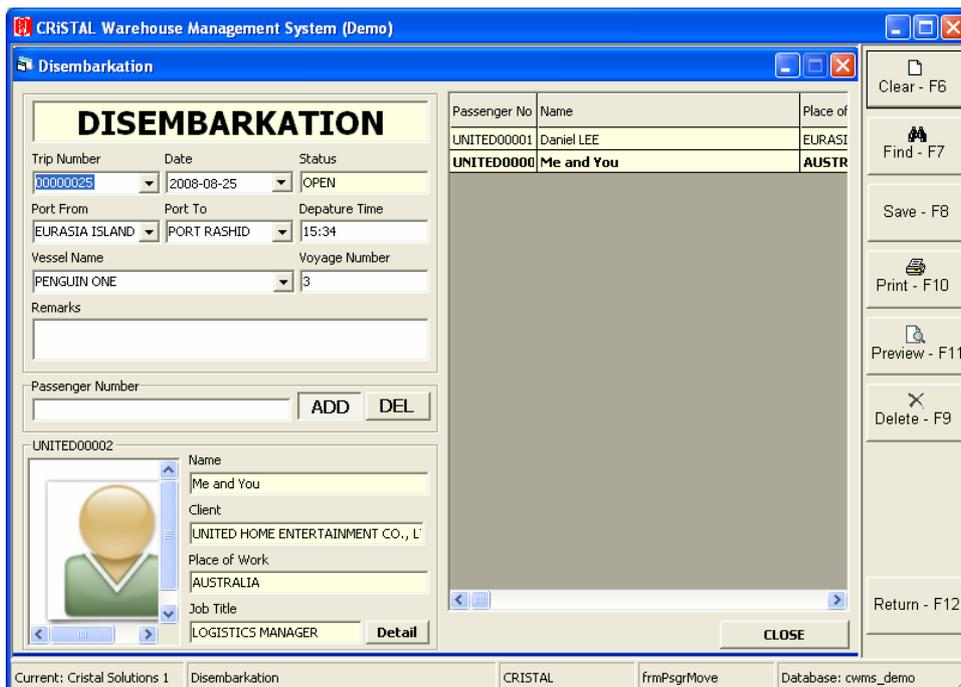
Functionally and the design of the user interface are the same except for the label on the top left corner.

The tracking of the passenger movement are at trip level. Trip is defined in the system as single trip. Namely, movement from Point A to Point B is 1 trip and the return from Point B to Point A is another.

Before the recording of the passenger embarking or disembarking, the trip no or reference must be first created.

At any time, each vessel is allowed to have 1 OPEN trip. A new trip for a vessel can be created only when the last trip is CLOSED.

3.1. Adding new trip

To create a new trip, click Clear and specify the required data

1. Trip Date

2. Trip Time

3. Port From (Point of Origin)

   a. This is selected from a popup window which appears when the down arrow on the right of the box is clicked.

   b. The Port From that are used is to be first defined in Administration | System | System Parameter Maintenance -> Terminal Name

4. Port To (Point of Destination)

   a. This is selected from a popup window which appears when the down arrow on the right of the box is clicked.

   b. The Port To that are used is to be first defined in Administration | System | System Parameter Maintenance -> Terminal Name

5. Vessel

   a. This is selected from a popup window which appears when the down arrow on the right of the box is clicked.

   b. The Vessel that are used is to be first defined in Administration | System | System Parameter Maintenance -> Vessel Name

6. Voyage

   a. The Voyage is an integer value

   b. To get the next voyage, click the Left Arrow

      i. The Voyage would automatically be updated with the next voyage number

7. On completion, click Save

   a. The next trip no will be assigned and shown in the Trip Number field.

3.2. Updating Passenger

To add Passenger record to the trip, ensure the command buttons on the right of Passenger Number is selected.

The fare is to present his Pass, which is barcode, to the barcode code. The passenger number will be captured and listed in the grid box.

To delete a passenger from the list, which for some reason need to get off after boarding, change the command button to DEL and present the Pass to the scanner. The record will be removed. (Remember to set the command button back to ADD.)

In the event, the scanner failed, the Passenger Number can be input via the keyboard. On pressing Enter, the record will be added or deleted per the command button selected.

Passenger whose status is INACTIVE or BLOCKED or Valid Till is expired will be not be allowed to add themselves to the trip.

An error message and voice message, if activated, will be displayed. At the same time, the background of the Embarkation / Disembarkation will change to read. It will revert to beige when the message is closed.

Officers on duty can click the View button to verify the Passenger Profile

3.3. Viewing Passenger Profile

The photo, if available, of the passenger will be displayed together with the name, client and place of work and job title at the left bottom.

At times, there may be a need to verify a passenger profile.

This is done via the Detail command button..

To view a passenger profile

1. Select the passenger from the grid box by clicking on the required row
2. Click the Detail button
3. The window below will appear
4. Click OK button to close the window

If the Detail button is clicked without selecting the Passenger, the last scanned passenger profile will be displayed.

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4. REPORTS

Follows reports are included with the system. Samples of the reports are in the Appendix

1. Passenger List

    a. List of passengers by Client

    b. Parameters

        i. Client Code (optional)

            - If not specified, all clients will be reported

2. Trip Report

    a. Report of passenger trip for period

    b. Parameters

        i. Start Date (inclusive)

        ii. End Date (inclusive)

        iii. Client (optional)

            - If not specified, all clients will be reported

3. Trip Manifest

    a. List of passengers on a Trip

    b. Parameter

        i. Trip Number

Appendix A. SAMPLE OF REPORTS

A.1. Passenger List

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2008-08-29

Passengers List

UNITED HOME ENTERTAINMENT CO., LTD
2/4 Samakkee Prakanphai Building
Viphavadee Rangsit Tungsonghong Lak Si
10210 Bangkok
THAILAND

S/No	Passenger No	Passenger Name	Address	Passport No	Date of Birth	Work Permit	Job Title	Place Of Work	Status	Valid Till
1	UNITED00001	Daniel LEE	59 Ubi Avenue 1 #05-13 Bizlink Centre Singapore 408938 SINGAPORE		2008-08-18	1234567	FORKLIFT DRIVER	EURASIA	ACTIVE	2009-12-31
2	UNITED00002	Me and You	59 Ubi Ave 1 #05-13 Bizlink Centre Singapore 408938 SINGAPORE		1966-08-18	23456788	LOGISTICS MANAGER	AUSTRALIA	ACTIVE	2009-02-20

CRiSTAL WMS DEMO
E:\Development\Reports\Passenger List.rpt

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A.2. Trip Manifest

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TRIP MANIFEST

Trip Number	: 00000026				Status	: OPEN
Vessel Name	: PENGUIN TWO	FROM	: PORT RASHID		Trip Date	: 2008-08-27
Voyage No	: 1	TO	: EURASIA ISLAND		Trip Time	: 23:30

S/No	Passenger No	Passenger Name	Identification #	Place of Work	Pass Validity
1	UNITED00001	Daniel LEE		EURASIA	2009-12-31
2	UNITED00002	Me and You		AUSTRALIA	2009-02-20

CRISTAL WMS DEMO   2008-08-29 11:18:33AM
E:\Development\Reports\PCS - Trip Manifest.rpt   Page 1 of 1

A.3.　　Trip Reports

CRiSTAL Solutions Pte Ltd　　　　　　　　　　　　　　　　　　　2008-09-02

Trip Report from 2008-08-01 **to** 2008-09-02

UNITED HOME ENTERTAINMENT CO., LTD
2/4 Samakkee Prakanphai Building
Viphavadee Rangsit Tungsonghong Lak Si
10210 Bangkok
THAILAND

S/No	Passenger No	Passenger Name	Vessel Name	Port From	Port To	Trip Ref	Trip Date	Trip Time
1	united00001	Daniel LEE	PENGUIN ONE	PORT RASHID	EURASIA ISLAND	00000024	2008-08-19	02:23
2	UNITED00001	Daniel LEE	PENGUIN ONE	EURASIA ISLAND	PORT RASHID	00000025	2008-08-25	15:34
3	UNITED00001	Daniel LEE	PENGUIN TWO	PORT RASHID	EURASIA ISLAND	00000026	2008-08-27	23:30
				Daniel LEE Trip Count:		**3**		
4	united00002	Me and You	PENGUIN ONE	PORT RASHID	EURASIA ISLAND	00000024	2008-08-19	02:23
5	UNITED00002	Me and You	PENGUIN ONE	EURASIA ISLAND	PORT RASHID	00000025	2008-08-25	15:34
6	UNITED00002	Me and You	PENGUIN TWO	PORT RASHID	EURASIA ISLAND	00000026	2008-08-27	23:30
				Me and You Trip Count:		**3**		
				Trip Count by Client:		**6**		