

Introduction of our usage in Warehouse Management System (WMS)

9th September 2011

Features Highlight

- Full functional WMS that deploy through web-based platform
- Designed for companies that need to cater both internal and external needs
- Web interface for easy access and real time inventory visibility
- Integrated with our Logistics Management System and Purchase Order Management System to enable a seamless flow of information and total control of your supply chain activities

Features Highlight

- Support multi-locations, multi-warehouses and multi-level packages
- Major functions include: Booking, Stock in, Put-away, Stock out, Re-location, Cycle count, Inspection, Break & Pack, Production log, Serial number & invoicing, and reporting, etc.
- With Hand held / PDA version for operation convenience and real time visibility

Benefits

- **Collaborated with business partners:**
 - Since all data are visible for related parties, any problems can alert the related business partners in earlier stages for getting resolutions in more timely basic.
- **7 x 24 Visibility:**
 - Customers or Forwarders can track and trace the incoming and outgoing shipments accurately and effectively. It can help them to avoid missing any sales opportunities.

Benefits

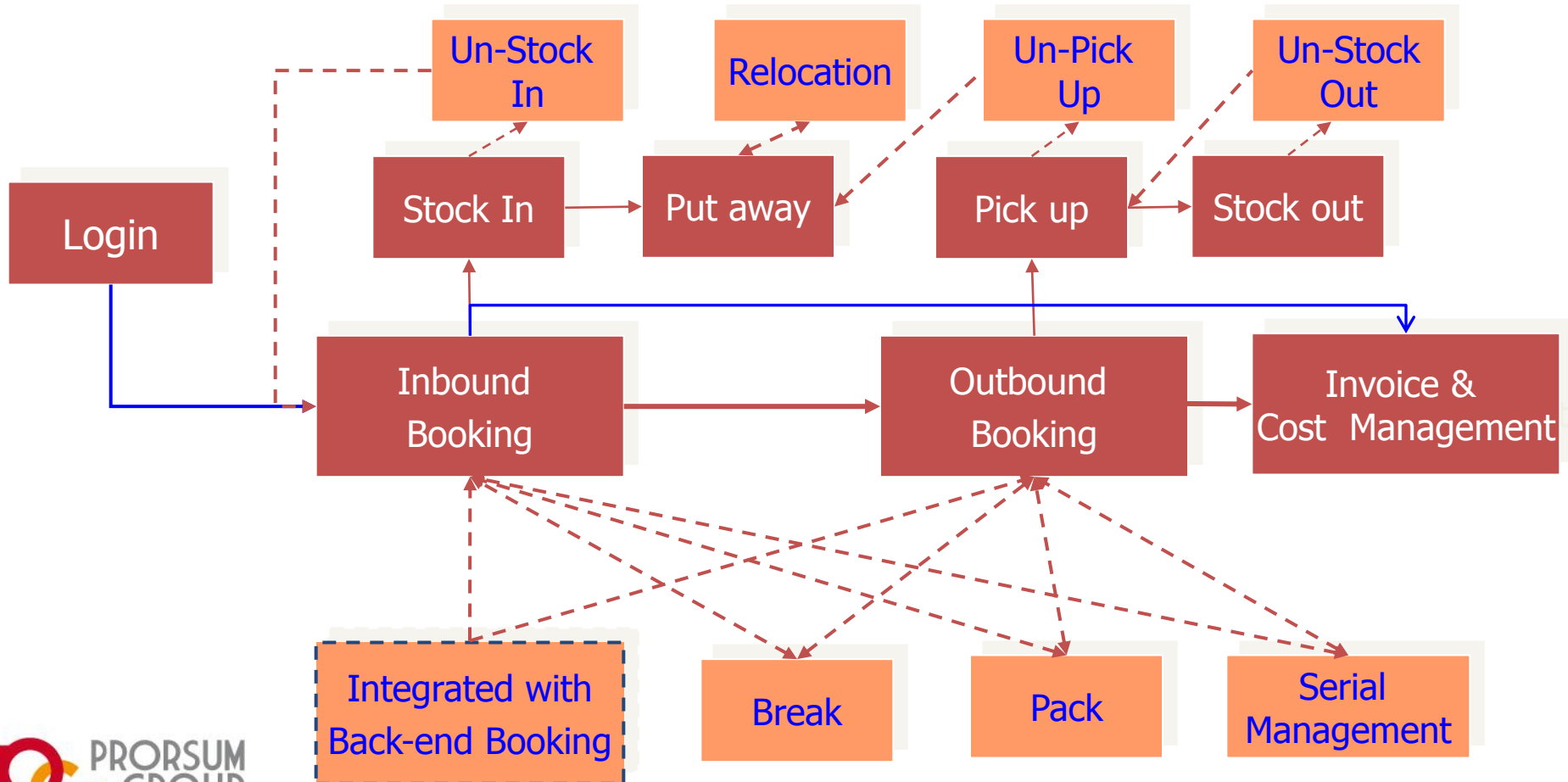
- **Lowered the inventory:**
 - With the JIT feature and scanned images of shipping documents, it can help the consignees to process the shipments easier for having faster time to market. Moreover, the consignees can lower down the stock out level for fulfilling the orders.
- **Increased productivity:**
 - WMS can provide more convenient and faster way for the warehouseman to work. It can eliminate a lot of high-cost and labor-intensive manual processes to increase the order fulfillment rates, distribution throughput and productivity. According to study, a good supply chain system can help a warehouse to lower down the labor cost from 20% to 30%.

Benefits

- **Increased the return of investment ROI:**
 - WMS not only help to increase the productivity of the labor but also increase the utilization of the warehouse space, equipment and loading bays. With help from WMS, the warehouse operators can postpone the expansion, purchase, construction or rental of additional facilities for increased businesses.
- **Increased Profit:**
 - With the help of WMS, logistics provider or warehouse can process the orders or loading plan more accuracy and on time. It can maximize the profit by reducing the occurrence of high-cost rework.

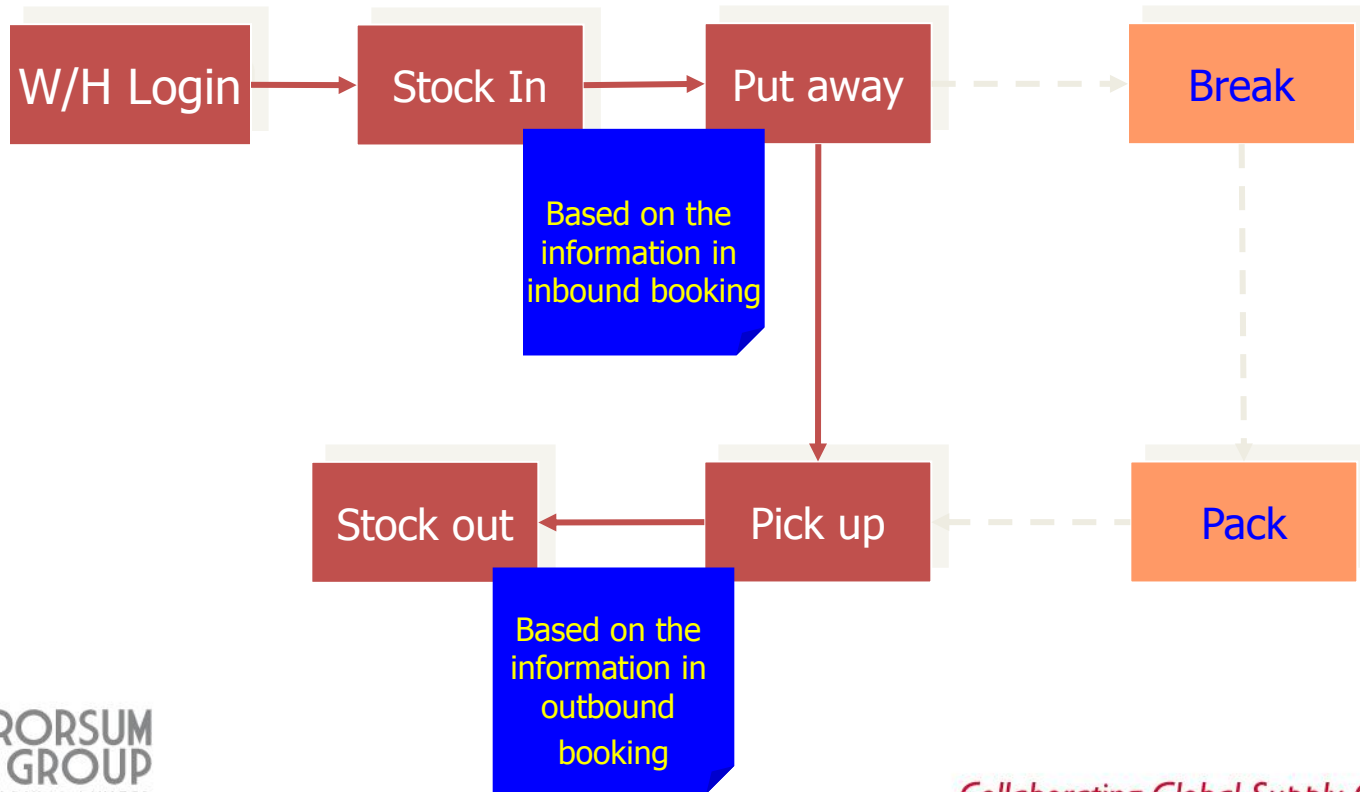
WMS

- Web Version working flow



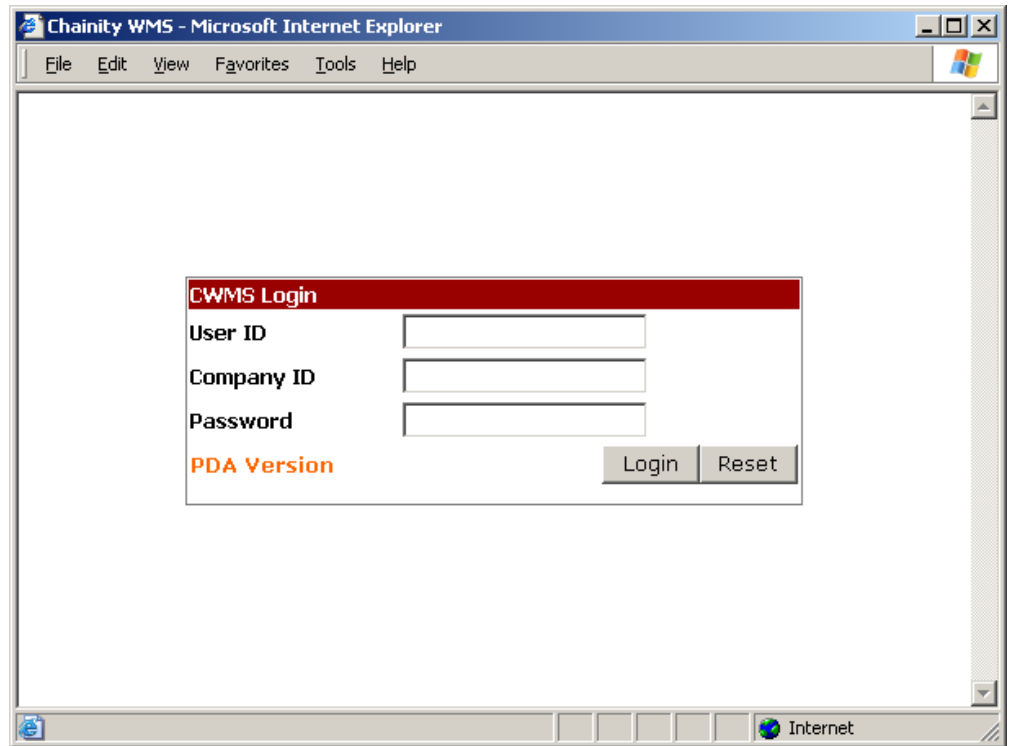
WMS (Cont.)

- PDA Version working flow



System Login

- Multi-company
- Multi-user for single company
- Ready to embed in existing webpage



Inbound Booking

- PO, SKU & Package Information
- Import SKU information by EDI
- Inner level management
- Serial Number management

Chainity CWMS
 Shipment > Operations > Inventory > Reports > System Data > W/H Opt > Invoice > Logout
 Inbound Booking
 Book No. [] Booking Type [] Ref No. [] Status ADD
 Booking Date 2007/08/08 (yyyy/mm/dd) House Bill# [] Master Bill# [] Booking Status New
 Owner [] Goods Status []

1.General 2.Shipment Information 3.Cargo Information

Vendor [] Buyer []

Shipper [] Consignee []

Notify Party [] Agent []

warehouse []

POR [] POL [] POD [] PODL [] Final Dest []

Chainity CWMS
 Shipment > Operations > Inventory > Reports > System Data > W/H Opt > Invoice > Logout
 Inbound Booking
 Book No. IN0706210003 * Booking Type Truck Ref No. [] Status VIEW
 Booking Date 2007/07/10 (yyyy/mm/dd) House Bill# [] Master Bill# [] Booking Status Received
 Goods Status []

Owner E MAILINK E.MAILINK TRADING CORP *

1.General 2.Shipment Information 3.Cargo Information

PO Information [Add PO] [Add PO by Package]

Expand	PO #	Avail. Qty	Invoice #	Buyer PO #	Buyer SKU #	Vendor SKU #	Description	Buyer Qty
+	1	(Finish)	HB20070621T		MISC			75180

Import SKU Gen Package

Package Information

Package ID	Package No.	Status	No. Qty	Package Type	CBM	N.WGT	G.WGT	DIM(W)	DIM(H)	DIM(L)	
+	CLS000000142927	HB20070621T_001179	PutAway	75180	CARTONS	0.00000	232.7000000000	501.2000000000	0.000	0.000	0.000

View Serial No.

Inner Package [Add Inner Package]

Copy Copy to Outbound Edit Save Save & Continue Confirm Unconfirm Delete Cancel Charge/Cost Invoice MISC

Calculate Weight Confirm Cost Form Issued Confirm Debit Note Issued

Package Label PDF Print

- Booking Main information

Inbound Booking (Cont.)

- Charge & Cost management
- Auto calculate storage charge

http://10.0.1.2 - Booking Charge - Microsoft Internet Explorer

Booking Charge and Cost

Book No. [IN0706210003](#)
[\[Add Charge\]](#)

Chg. Code	Chg. Description	Unit Per	Rate Currency	Ex. Rate	Amount	Customer Code	Customer Name
Edit Delete CHG001	报关费	1 SHIPMENT	1000.00 RMB	1.0000	1000.0000	KROM	Krom Mate(Shanghai) Limited
Total Amount (RMB):					1000.0000		

[\[Add Cost\]](#)

Chg. Code	Chg. Description	Unit Per	Rate Currency	Ex. Rate	Amount	Customer Code	Customer Name
Edit Delete CHG018	仓储费	10 DAY	360.00 RMB	1.0000	3600.0000	KROM	Krom Mate(Shanghai) Limited
Total Amount (RMB):					3600.0000		

Profit (RMB): -2600

Done Internet

Inbound Booking (Cont.)

- Package Auto-generation
 - Package/Carton Number
 - Inner Package
 - Serial Number



Shipment No: IN1006140001

CARTON No.: MBOX-0001

PO No:

REMARK

Item No.:

OWNER SKU: MISC

Shipment No: IN1006140001

CARTON No.: MBOX-0005

PO No:

REMARK

Item No.:

OWNER SKU: MISC

http://10.0.1.2 - Generate Package - Microsoft Internet Explorer

Package General Information

Book No.: IN0707310005
 Number of Gen.

Item No.	Buyer SKU No.	Vendor SKU No.	Avail Qty	No. of Qty/Pkg
1	TZMC3V9-GS08		50000	<input type="text" value="50000"/>

Common Package Detail

Measurement Unit English Metric
 Dim. Flag (L) x (w) x (H) cm
 Package Type
 CBM
 N. Weight
 G. Weight
 Van Remark
 Package No. Prefix Package No. Start at
 Package No. End at Increment rate
Next Level Inner Package
 Next Level No. of Package Next Level No. Prefix
 Start Next Level No. End Next Level No.
 Increment rate Package UOM
Serial No. - Range Input
 Serial No. of Generate Serial No. Prefix
 Serial No. Start at Serial No. End at
 Increment rate

Inbound Booking (Cont.)

- Auto updated Status
 - Booking Level: Confirm → Receiving → Received
- Management controls
 - Booking: New → Confirm (→ Un-confirm)
 - Charge & Cost: New → Confirm → (Un-confirm)
 - D/N, C/N , Cost: New → Confirm → (Un-confirm)
- Miscellaneous cargo handling
- Barcode label
- Other documents: Packing summary, invoice etc.

Stock In

http://10.0.1.2 - Stock In - Microsoft Internet Explorer

Chainity CWMS

Shipment > Operations > Inventory > Reports > System Data > W/I

Stock In

Book No. IN0707310005
 Package ID
 Carton No.

Submit Cancel

[Show All] [Show with Paging]

	Book No.	PackageID	PO #	Inner Carton#	SKU#	Pro. Log	Carton #
<input checked="" type="checkbox"/>	IN0707310005	CLS000000163010			TZMC3V9-GS08		89446851_001
<input type="checkbox"/>	IN0707310005	CLS000000163017			TZMC3V9-GS08		89439137_001
<input type="checkbox"/>	IN0707310005	CLS000000163024			TZMC3V9-GS08		89439135_001

Next Confirm

IN0707310005
 New (3) --> Status : Confirm

Stock In Time. 10:52 (Reg 12:50)
 Stock In Date 2007/08/08 (yyyy/mm/dd)

Book No.	PackageID	SKU#	Qty.
IN0707310005	CLS000000163010	TZMC3V9-GS08	50000

Dimension 0.000 0.000 0.000 cm (L x W x H)
 Qty 50000
 UOM PIECE(S)
 Weight 3.180000 K
 G.Weigth 3.560000
 CBM 0.000000 CBM
 Remarks
 Serial No. -
 Range Input
 Inner Carton#
 SKU# TZMC3V9-GS08
 Pro. Log

- Stock In Package by Package or by booking
- Quick stock-in or stock-in with inspection
- Adjust related information during stock-in
- SKU#, Carton#, Production Log displayed

Next: For inspection
 Confirm: Quick Stock-in

Un-Stock IN

Unstock IN

Book No.	<input type="text" value="test1"/>
Package ID	<input type="text"/>
	<input type="button" value="Search"/> <input type="button" value="Clear"/>

<input type="checkbox"/>	Book No.	Package ID	Inner Carton#	SKU#	Pro. Log	Carton#	CBM	N.WGT	G.WGT	Qty.
<input checked="" type="checkbox"/>	TEST1	CLS000000168995	77G028436 ~ 77G028437 (2)	MISC		2	0.00000	10.00000000000	11.00000000000	503
<input checked="" type="checkbox"/>	TEST1	CLS000000169002	77G028438 ~ 77G028439 (2)	MISC		3	0.00000	10.00000000000	11.00000000000	500
<input checked="" type="checkbox"/>	TEST1	CLS000000169009	77G028440	MISC		4	0.00000	11.00000000000	12.00000000000	620

- Un-stock in the package one by one, or by booking

Put Away

Book No.	PackageID	Loc ID	Status	Package#	UOM	N. Weight	K/L	CBM	Dir
IN0707310005	CLS000000163010		StockIn	89446851_001	PCS	3.1800000000	K	0.00000	0.00
IN0707310005	CLS000000163017		StockIn	89439137_001	PCS	3.1800			
IN0707310005	CLS000000163024		StockIn	89439135_001	PCS	3.1800			

No record available!

Location 7A010101

Confirm

CLS000000163010
CLS000000163017
CLS000000163024
is put away.

- Scan the Package barcode and location barcode

Relocation

Relocation	
Package ID	<input type="text" value="CLS000000168995"/>
Original Location ID	<input type="text" value="7A010101"/>
New Location ID	<input type="text" value="7A010111"/>
	<input type="button" value="Submit"/> <input type="button" value="Clear"/>

- Relocate the package one by one

Outbound Booking

- Information required for outbound booking is similar to Inbound Booking
- Auto-Breaking during gen-package in Outbound Booking

http://10.0.1.2 - CWMS - Generate Outbound Package - Microsoft Internet Explorer

Book No. Owner

Package ID Carton No.

Country HS Code

Invoice No. Production Log

Shipping Mark Serial No.

Date Code

<input type="checkbox"/>	SKU#	PO No.	Booking No.	Carton #	Package ID	Production Log	Date Code	Comm Code	HS Code	Total Qty.	Avail Qty.	Apply Qty. (Input)	Auto Break
<input checked="" type="checkbox"/>	IM24T108		IN0706180002	S0714816_001	CLS000000132210			CTA004	85412900	42000	42000		<input type="checkbox"/>
<input type="checkbox"/>	IM24T108		IN0706260002	960625510_007	CLS000000136942			CTA001	85411000	51000	51000		<input type="checkbox"/>
<input checked="" type="checkbox"/>	IM24T108		IN0707310001	960730504_014	CLS000000161379			11	85412900	33000	33000	33000	<input checked="" type="checkbox"/>

Pick Up

- Pick up the package (s)
 - Select Original Package
 - scan the barcode of package and location
 - Confirm

Chainity CWMS
Shipment > Operations > Inventory > Reports > System Data > W/H Opt > Invoice

Picking List

PO No. From: PO No. To:
SKU No. From: SKU No. To:
Package ID: Book No.: OB0708010001

Submit

Select	Org. Package ID	Package ID	Qty	Avail Qty	In-Booking#	Org. Carton #	SKU#	Loc ID	UOM	Cart
Select	CLS000000046404	CLS000000163045	280000	408000	IN06110904962	TS6800023.25_0				
Select	CLS000000153420	CLS000000163052	27000	27000	IN0707240002	S0717961_001				
Select	CLS000000153420	CLS000000163059	63000	63000	IN0707240002	S0717961_001				

Package ID:
Location ID:
Box ID:

Confirm Cancel

Chainity CWMS
Shipment > Operations > Inventory > Reports > System Data > W/H Opt > Invoice

Picking List

PO No. From: PO No. To:
SKU No. From: SKU No. To:
Package ID: Book No.: OB0708010001

Submit

Select	Org. Package ID	Package ID	Qty	Avail Qty	In-Booking#	Org. Carton #	SKU#	Loc ID	UOM	Cartor
Select	CLS000000153420	CLS000000163052	27000	27000	IN0707240002	S0717961_001	RB5215-30TE61	I110	PCS	002
Select	CLS000000153420	CLS000000163059	63000	63000	IN0707240002	S0717961_001	RB5215-30TE61	I110	PCS	003

OB0708010001 :
PickUp (1) --> Status : Picking
PutAway (2) --> Status : Picking

Package ID:
Location ID:
Box ID:

Confirm Cancel

Un-Pick Up

Unpick Up

Book No.

Package ID

<input type="checkbox"/>	Book No.	Package ID	Location	SKU#	Pro. Log	Carton#	CBM	N.WGT	G.WGT	Qty.
<input checked="" type="checkbox"/>	test-out	CLS000000169002	7AD10101	MISC		3	0.00000	10.00000000000	11.00000000000	500
<input checked="" type="checkbox"/>	test-out	CLS000000170248	7AD10102			2	0.00000	1.9880715706	2.1868787276	100

- Un-pick up the package one by one, or by booking
- original location will be assigned to the package

Stock Out

- Stock Out Package by Package or

Chainity CWMS
Shipment > Operations > Inventory > Reports > System Data >

Stock Out

Book No.
Package ID
Carton No.
Submit Cancel

[Show All] [Show with Paging]

<input type="checkbox"/>	Book No.	PackageID	PO#	Inner Carton#	SKU#	Pro. Log	Carton
<input type="checkbox"/>	OB0708010001	CLS000000163045			RB521G-30T2R		001
<input type="checkbox"/>	OB0708010001	CLS000000163052			RB521S-30TE61		002
<input type="checkbox"/>	OB0708010001	CLS000000163059			RB521S-30TE61		003

Confirm

OB0708010001 ;
PickUp (3) --> Status : Picked

Stock Out Time. (e.g 22:30)
Stock Out Date (yyyy/mm/dd)

Chainity CWMS
Shipment > Operations > Inventory

Stock Out

Book No.
Package ID
Carton No.
Submit Cancel

CLS000000163045
CLS000000163052
CLS000000163059 is stocked out!

Un-Stock Out

Unstock OUT

Book No.

Package ID

<input type="checkbox"/>	Book No.	Package ID	Inner Carton#	SKU#	Pro. Log	Carton#	CBM	N.WGT	G.WGT	Qty.
<input checked="" type="checkbox"/>	test-out	CLS000000169002		MISC		3	0.00000	10.0000000000	11.0000000000	500

- Un-Stock Out the package one by one or by booking
- Package status will be updated to Pick-Up

Breaking

http://10.0.1.2 - Breaking - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Chainity CWMS

Shipment ▶ Operations ▶ Inventory ▶ Reports ▶ System Data ▶ W/t

Breaking

Book No.

Package ID

Book No. **IN06121405184**

Keep Existing Package ID Delete Existing Package ID

Break Apart

No. of Break

PKG Inner Qty

Dimension x x

Package ID	Qty	Vendor SKU#	Buyer SKU#	Package UOM	N. Weight	K/L	CBM	Dim. Flag	(H)	(L)	(W)
CLS000000027000	500		BT2708184N	PCS	1.3625000000	K	0.00000		0.000	0.000	0.000
(temp no.1)	500		BT2708184N	PCS	1.3625000000	K	0.00000		0.000	0.000	0.000

1

Done Internet

- Select booking or package
- Input general information
- Generate the new package
- Confirm the operation

Pack

- Select Booking
- Select packages
- Calculate the new package
- Confirm (Pack) the operation

Chainity CWMS
Shipment > Operations > Inventory >
Packing Information

Book No.

Book No. IN06112705079
[\[Show All\]](#) [\[Show with Paging\]](#)

	Package ID	Qty	Package UOM	K/L	CBM
<input checked="" type="checkbox"/>	CLS000000028575	1000	PCS	K	0.00000
<input checked="" type="checkbox"/>	CLS000000028617	7500	PCS	K	0.00000
<input type="checkbox"/>	CLS000000051692	10000	PCS	K	0.00000

New Package ID

Measurement Unit English Metric

Unit

Dim. Flag x x

Qty

CBM

N. Weight

G. Weight

Inner Qty

Van Remark

Serial Number Management

- Input Serial number during generate the package

http://10.0.1.2 - Generate Package - Microsoft Internet Explorer

Package General Information

Book No.: IN0708090002
Number of Gen.

Item No.	Buyer SKU No.	Vendor SKU No.	Avail Qty	No. of Qty/Pkg
1	GSIB4A60-E3/45		1000	<input type="text" value="1000"/>

Calculate

Common Package Detail

Measurement Unit English Metric
Dim. Flag (L) x (W) x (H) cm
Package Type
CBM
N. Weight
G. Weight
Van Remark
Package No. Prefix Package No. Start at
Package No. End at Increment rate

Next Level Inner Package

Next Level No. of Package Next Level No. Prefix
Start Next Level No. End Next Level No.
Increment rate USM

Serial No. - Range Input

Serial No. of Generate Serial No. Prefix
Serial No. Start at Serial No. End at
Increment rate

Generate & Save **Cancel**

Serial Number Management

Chainity CWMS
Shipment ▶ Operations ▶ Inventory ▶
Reassign Serial

Book No.

Package List [Cancel Select]

	Package ID	Qty	Package UOM	K/L	CBM
Select	CLS000000028575	1000	PCS	K	0.00000
Select	CLS000000028617	7500	PCS	K	0.00000
Select	CLS000000051692	10000	PCS	K	0.00000

1

[Select All] [Select All]

Serial No.	Status
1	

Serial# assigned to selected package

Serial# un-assigned package

- Input Booking Number to search all Package in the booking
- Select the package
- Re-assign the serial number

Invoice & Cost

Debit Note - Microsoft Internet Explorer

Address: http://10.0.1.2/cwms/invoice/invoice.aspx?invno=ID07080002&iore=IN&bookno=&invtype=D

Chainity CWMS

Shipment > Operations > Inventory > Reports > System Data > W/H Opt > Invoice

Debit Note

Customer: KROM
 Krom testing Limited
 Room 100-105, Suzhou Commercial Center,
 101 Yang Yu Lane, Suzhou, China

Debit Note No.: ID07080002
 Date: 2007/07/31 (yyyy/mm/dd)
 Ref. No.:
 Book No.: IN0707310005
 Ft. Date: 2007/08/08 (yyyy/mm/dd)
 Currency: RMB 1.0000
 Status: Open
 Monthly Statement No.:

HAWB No.: 152225R0723
 G. Weight: 17.6000000000
 Chg. Weight: 100.0000000000
 From Port: SHA Shanghai
 To Port: HKG Hong Kong

Remark1:
 Remark2:

[Add Charge] [Remove Charge]

	Chg. Code	Chg. Description	Unit	Per	Rate	Currency	Ex. Rate	Amount
<input type="checkbox"/>	Edit	CHG029 燃油兵險	1	SHIPMENT	2000.00	RMB	1.0000	2000.0000
<input type="checkbox"/>	Edit	CHG008 空車費	10	KGS	500.00	HKD	0.9670	5000.0000
<input type="checkbox"/>	Edit	CHG023 換單費	1	SHIPMENT	300.00	RMB	1.0000	300.0000
Total Amt.								6975.45

- Included: Inbound/Outbound D/N, C/N, Cost and Free Form Invoice.
- Auto get Shipment information from booking
- Auto get charge/Cost items from booking

Invoice & Cost (cont.)

- Monthly Statement
- Sales Profit and Loss Report
- Account Receivable Report
- Profit and Loss Statement

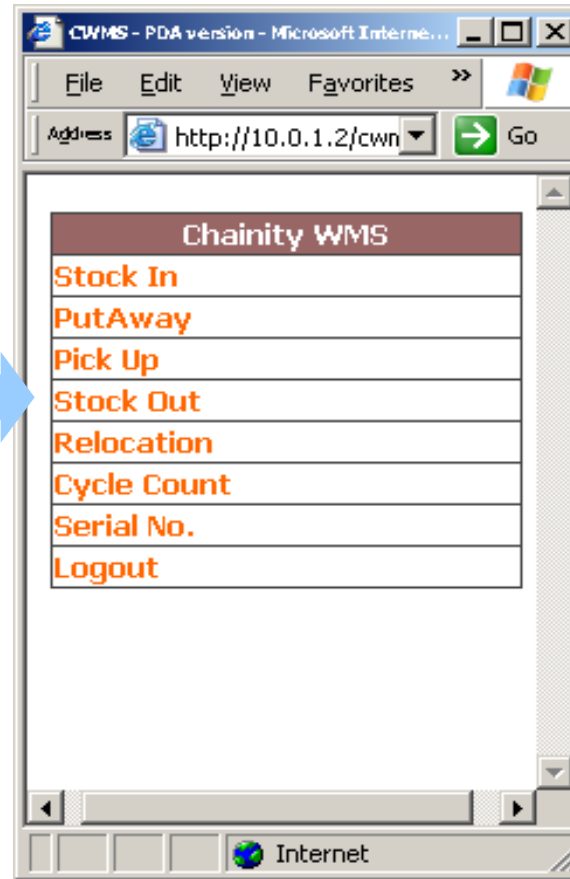
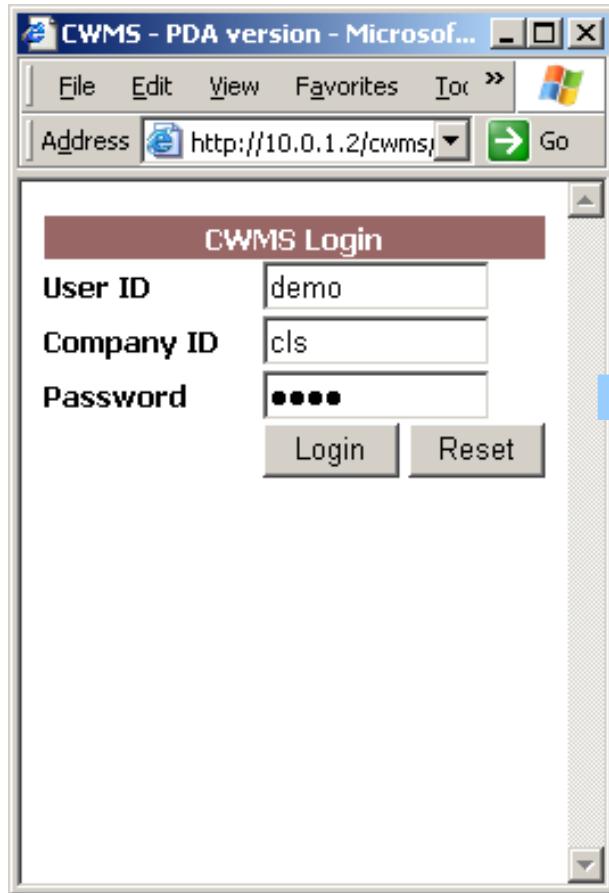
Inventory Report

- By Package
- By SKU
- By Commodity
- By Production Log
- By Date Code (Expire Day / Produce Date)

Other Reports

- Shipment Status
- Order Status
- Picking List
- Daily Receiving
- Daily Delivery
- Daily Booking
- Daily Inventory

PDA Version



- Functions
 - Stock In
 - Put Away
 - Pick Up
 - Stock Out
 - Relocation
 - Cycle Count
 - Serial No. Management

Stock In (PDA)

Book No. test3

Package ID

Carton No.

Submit Cancel

[Show All] [Show with Paging]

<input type="checkbox"/>	PackageID	Carton#
<input checked="" type="checkbox"/>	CLS000000169212	1
<input checked="" type="checkbox"/>	CLS000000169219	2

Next Confirm

TEST3|New(2)|Status:Confirm

Click to input more information

Date 2007/10/05 (yyyy/mm/dd)

Time 12:37 (e.g 22:30)

Dimension 23.000 (L)
23.000 (W)
12.000 (H) cm

Qty 17750

UOM CARTONS

Weight 23.000000 K

G. Weight 24.000000

CBM 0.00635 CBM

SKU#	Qty.	PackageID
5250		CLS000000169212
12500		CLS000000169212

Click to receive the goods / Quick Receiving

- Quick Receiving
- Detail information adjustment

Put Away (PDA)

Put Away [Main Menu]

Book No.

Package ID

<input checked="" type="checkbox"/>	PackageID	Package#
<input checked="" type="checkbox"/>	CLS000000169212	1
<input checked="" type="checkbox"/>	CLS000000169219	2

Location

Input / Scan Book# /
Package ID

- Put Away by Booking
- Put Away one by one
- Allow manual input or by barcode scanner

Pick Up (PDA)

Picking List [Main Menu]

PO No. From

PO No. To

SKU No. From

SKU No. To

Package ID

Book No.

Input / Scan Book# /
Package ID

	Package ID	Loc ID
Select	CLS000000170269	D101
Select	CLS000000170276	7A010102

Package ID

Location ID

Box ID

Relocation (PDA)

Stoct Out		[Main Menu]
Package ID	CLS0000000168995	
Location ID	7A010102	Scan Original Location ID
Location ID	7A010101	Scan New Location ID
<input type="button" value="Submit"/>		<input type="button" value="Cancel"/>

Serial Number Management (PDA)

Serial No. [Main Menu]	
Package ID	CLS000000168995
Serial No.	<input type="text"/>
	<input type="button" value="Save"/> <input type="button" value="Clear"/>
Double-click on the serial no. for removing it.	
S1	
S2	

- Scan / Input Package
- Scan / Input Serial No. one by one
- Inputted Serial No. stored in the list for batch update

Contact Us

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