AC Lab System

## Complete Guide 2017 – Appendix II

SQL 2.10.x

Mark Wainwright Analytical Centre
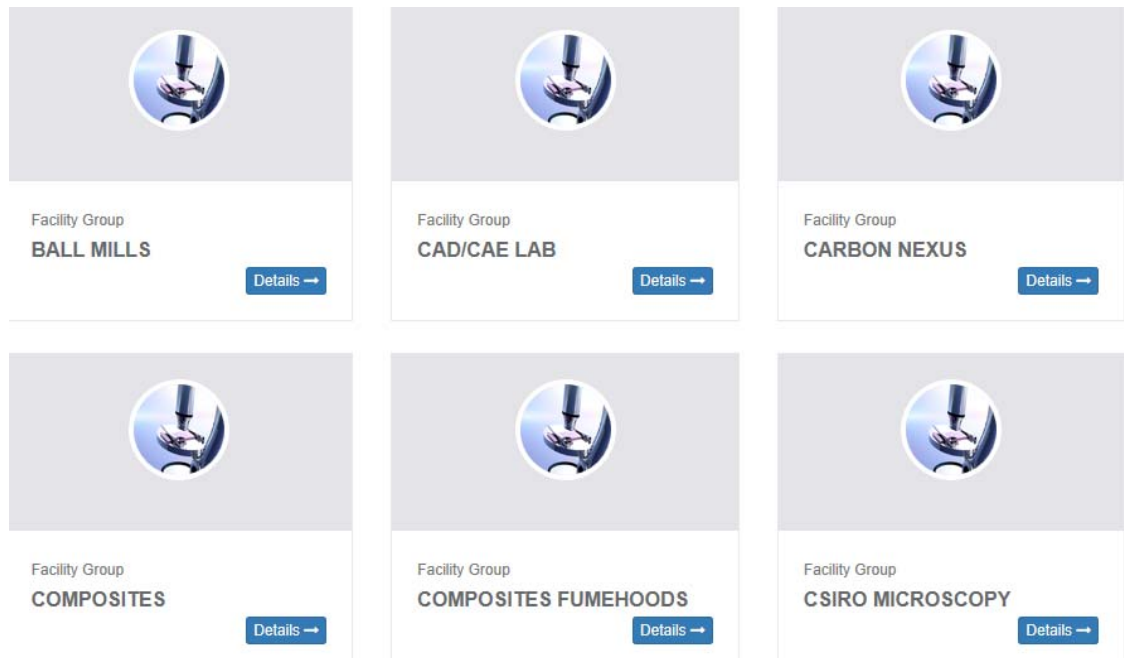*Dong Ming Zheng*

In supplementary to the ACLS Complete Guide 2017, this know-how appendix intends to provide you the detailed information about the ACLS SQL 2.10.x, which provides the latest facility catalogue, new lab event and holiday registry, and consumable usage tracking module.

❖ **Facility catalogue**

Facility catalogue provides a book-kind approach to access all active facility informaion. Upon login, the facility catalogue cover page with the indication of total active facilities is displayed.
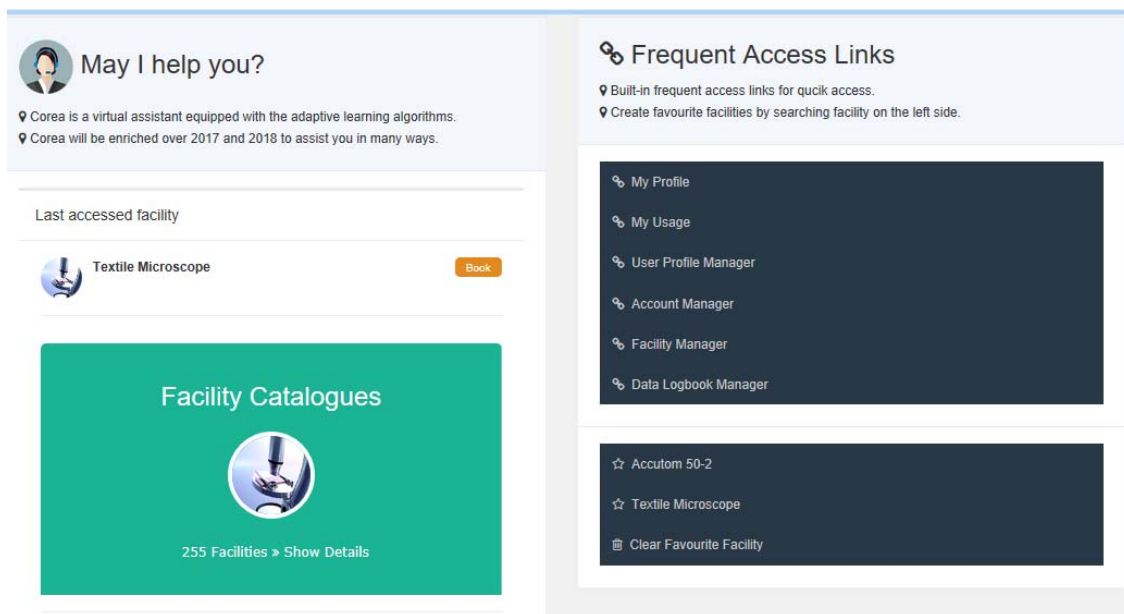
By clicking on 'Show Details' to link to facility group catalogue view.

Facility Group
BALL MILLS
Details →

Facility Group
CAD/CAE LAB
Details →

Facility Group
CARBON NEXUS
Details →

Facility Group
COMPOSITES
Details →

Facility Group
COMPOSITES FUMEHOODS
Details →

Facility Group
CSIRO MICROSCOPY
Details →

Here is the details view of all facilities for a facility group.

📄 Facility Catalogues

📍 Facility Group: CAD/CAE LAB
Return

CAD/CAE LAB

CAD Big MAC
🏢 Location: na1.210
ℹ Description:

Trainers

CAD/CAE LAB

CAD C30-1
🏢 Location: na1.210
ℹ Description:

Software installed: Abaqus 6.14-2, Altair Hyperworks 13.0, Ansys 16, Copra 2013, Dynaform 5.9, Geomagic, Intel Visual Fortran Composer XE 12.1, MATLAB R2015a 64bit, Microsoft Offic

Trainers

CAD/CAE LAB

CAD C30-2
🏢 Location: na1.210
ℹ Description:

Software installed: Abaqus 6.14-2, Altair Hyperworks 13.0, Ansys 16, Copra 2013, Dynaform 5.9, Geomagic, Intel Visual Fortran Composer XE 12.1, MATLAB R2015a 64bit, Microsoft Offic
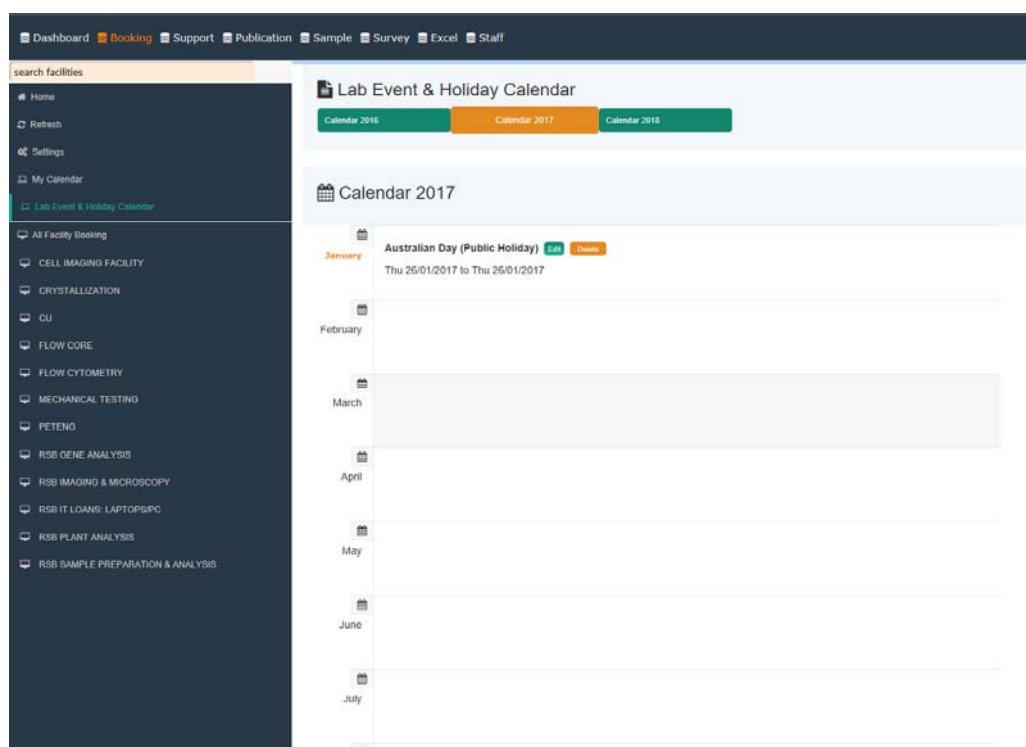
**Trainers**
👤 John Vella ✉ jwv@edu.au

❖ **Lab event & holiday calendar**

A new timeline design has been implemneted and also move the funciton from Staff tab to Booking tab. Hence, you are able to see the effects of lab events and holidays on the booking calendar with less clicks.


You have options to add public holidays and lan events. You only need to set up public holiday once to a year and then copy all the holidays to the next year without the need of data entry.
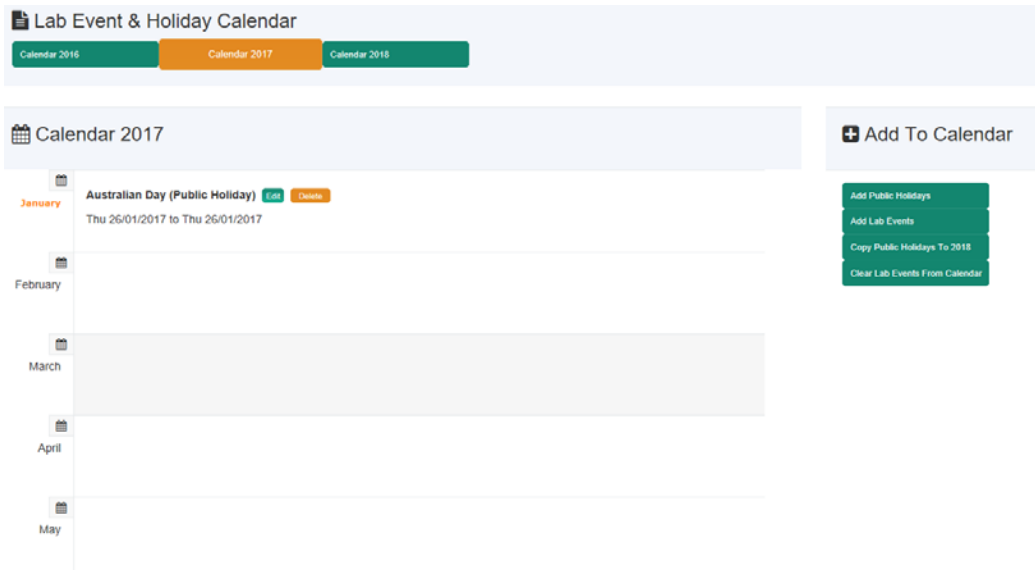
The difference between the holidays and events are that holidays leave the holiday markings on the booking calendar, users aer able to make bookings on the holiday days. However, for lab events, you have the options to close the calendar for bookings on those event days.

On Dashboard, users are able to access lab event calendar which shows up in a timeline style.
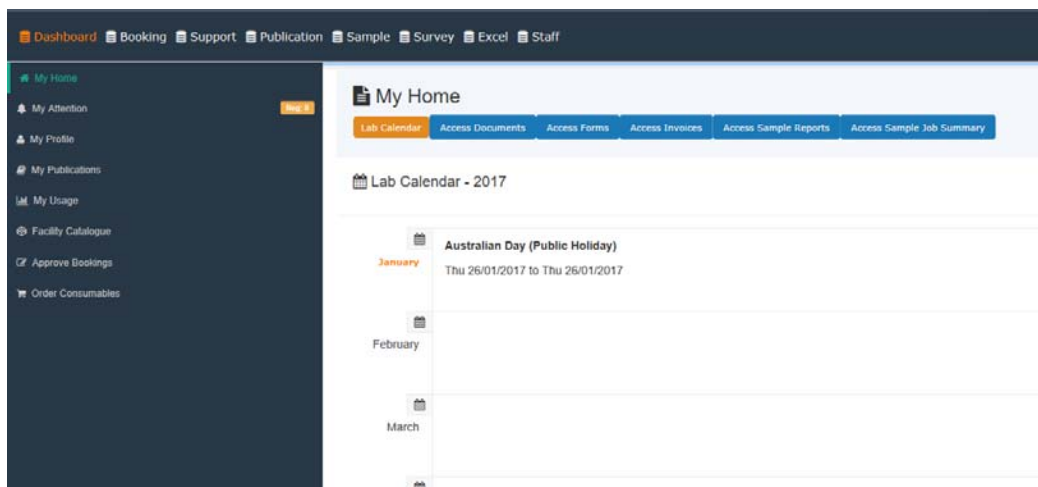
❖ **Register consumables**

Registering consumables are the first part of data entry. Go to Staff -> Consumable Resources to proceed.

Consumable parameters are explained below.

Parameter	Description
Consumable Code	Short code or barcode for the consumable, for example, AT2070
Description	A short description for consbumables, for example, ATnLOF2070 100ml
Unit	A bulk quantity as unit, for example, 100ml
Price per Unit	Price per unit
Stock Quantity	Good practice to set up and monitor the stocks.

	So lab can place the orders when the stock goes low
Re-Order Quantity	Re-order quantity is the min stock level you wish to maintain.
Admin Only	If it is enabled, the consumable can be ordered by lab admin only. It means that the consumable is Not available for users

❖ **Search consumables**

3 searching ranges are provided.

You are able to edit the consumable profile through the search results. The consumables with low stocks will be flagged for attention.

Consumable Code	Description	Unit	Price per Unit ($)	Stock Quantity	Reorder Quantity	Admin Only	Status	Low Stock Flag	...
N123445	dish wash detergent	litre	5.00	112	10	-	Active		Edit
N123448	Acid	ml	100.00	0	1	-	Active	⚑	Edit
N823626	Toilet paper	roll	2.00	95	0	Yes	Active		Edit

Click on Edit, you are able to update consumable profile and upload the images.

You can top up the stock quantity if it goes below the re-order quantity. System also tracks the changes of the price per unit.

Recommended image size is 200px by 200px.

N823626
Toilet paper

Top Up Stock Quantity:		Confirm		
Top Up Stock Quantity			Date	By

Close

Price change logs are shown via flying-in modal window.

N823626
Toilet paper

Consumable Code	Proce per Unit ($)	Valid From	Valid To	Changed By
N823626	2.00	23/12/2016	Now	Dong Zheng

Close

❖ **Order consumables**

There are 3 ways to place order for consumables.

- Through frequent access links on Booking tab

Frequent Access Links

♀ Built-in frequent access links for quick access.
♀ Create favourite facilities by searching facility on the left side.

- ⸻ My Profile
- ⸻ My Usage
- ⸻ User Profile Manager
- ⸻ Registration Pathway Manager
- ⸻ Account Manager
- ⸻ Facility Manager
- ⸻ Data Logbook Manager
- ⸻ Order Consumables

🗑 Clear Favourite Facility

- Through Dashboard

🏠 My Home

🔔 My Attention   Reg: 18

👤 My Profile

📕 My Publications

📊 My Usage

◈ Facility Catalogue

✎ Approve Bookings

🛒 Order Consumables

🔖 Terms & Conditions
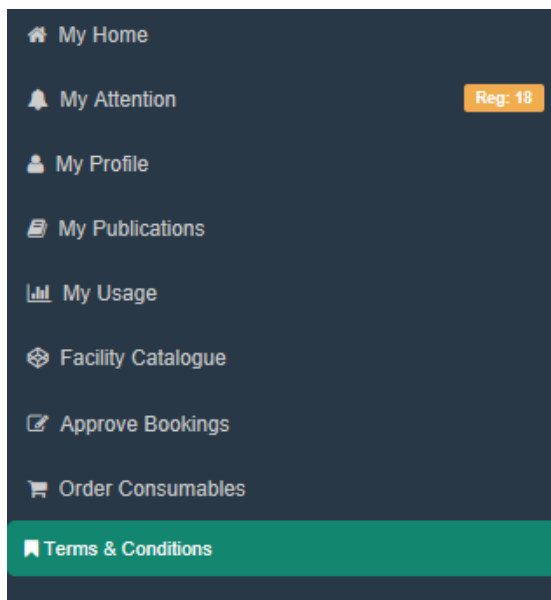
- Through Login page

Consumable direct access page is implemented for wet lab situation so users can record the consumable usages on the computer consoles without the need to login the system.
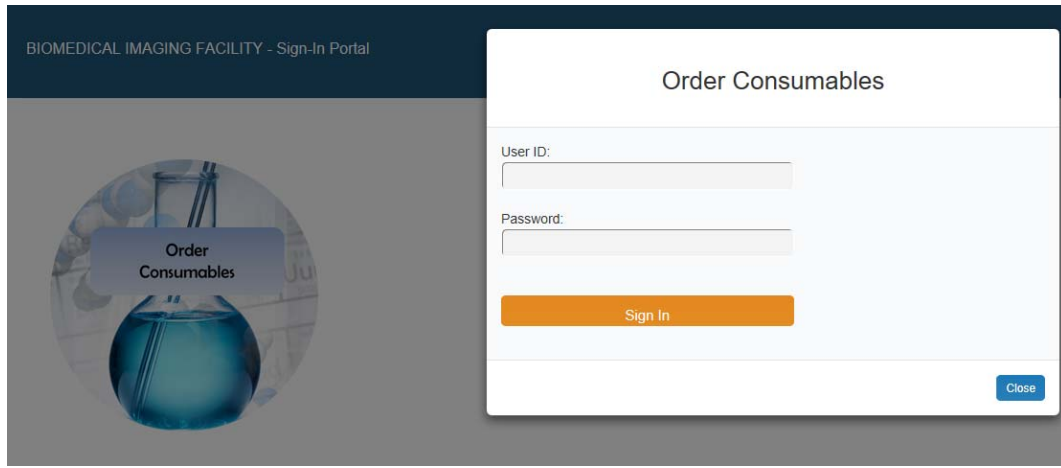
The way to order consumables is the same as that of the online shopping shop. System provides the live search and the catalogues to put the ordered items to the cart.
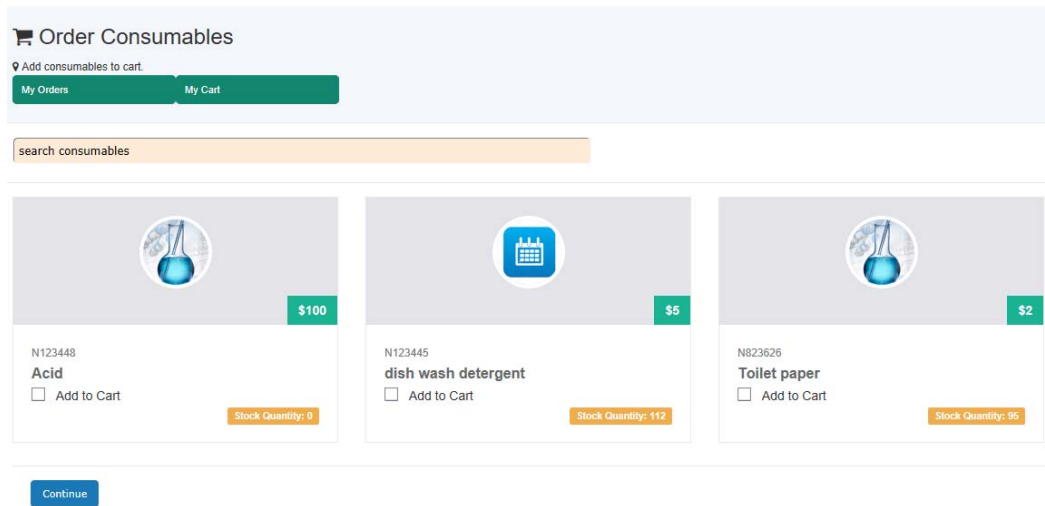
Users are able to check his order records via My Order, and check the cart status via My Cart.

My Cart shows the selected consumables, and users can update the order quantity or remove the items.

3 steps are required to confirm the order.

For users, select the account and place order. For lab admin, he can order for the other users by clicking on Order For User.

Order Consumables

♀ Placed order details.

1. First Step	2. Second Step	3. Finish

Order Consumables

Order Number	User Name	Account	Consumable Code	Description	Unit	Price per Unit	Order Quantity	Total
10	Dong Zheng	APPP-OP001-PS41500	N123445	dish wash detergent	litre	$5.00	1	$5.00
							Total	$5.00

Upon placing the order, system sends the notification to the user on the order details. If lab admin places the order for user, both admin and the user receive the notification.

Users are able to continue shopping or logout to consumable login page.

❖ **Update consumable orders**

Lab admins are able to change the any order details. Go to Staff -> Consumable Resoutrces -> Change Consumable Orders.

Update Consumable Orders

♀ Update orders for 2016.

Year: 2016 ⌄

Order Number	Year	User Name	Account	Consumable Code	Description	Unit	Price per Unit	Order Quantity	Total	Order Date	...
10	2016	Dong Zheng	APPP-OP001-PS41500	N123445	dish wash detergent	litre	$5.00	1	$5.00	29/12/2016 10:42	☑ Update
9	2016	Abhirup Das	2016 USER SUB $2200 TO 31 DEC	N123448	Acid	ml	$90.00	4	$360.00	25/12/2016 08:40	☑ Update
8	2016	Dong Zheng	BABS-RE109 RM07514	N823626	Toilet paper	roll	$2.00	1	$2.00	24/12/2016 14:59	☑ Update
8	2016	Dong Zheng	BABS-RE109 RM07514	N123445	dish wash detergent	litre	$5.00	1	$5.00	24/12/2016 14:59	☑ Update
7	2016	Dong Zheng	BABS-RE109 RM07514	N823626	Toilet paper	roll	$2.00	1	$2.00	24/12/2016 14:57	☑ Update
7	2016	Dong Zheng	BABS-RE109 RM07514	N123445	dish wash detergent	litre	$5.00	1	$5.00	24/12/2016 14:57	☑ Update
6	2016	Dong Zheng	BABS-RE109 RM07514	N823626	Toilet paper	roll	$2.00	1	$2.00	24/12/2016 14:55	☑ Update
5	2016	Dong Zheng	BABS-RE109 RM07514	N823626	Toilet paper	roll	$2.00	1	$2.00	24/12/2016 02:50	☑ Update
4	2016	Dong Zheng	BABS-RE109 RM07514	N123448	Acid	ml	$100.00	1	$100.00	24/12/2016 02:47	☑ Update
4	2016	Dong Zheng	BABS-RE109 RM07514	N123445	dish wash detergent	litre	$5.00	5	$25.00	24/12/2016 02:47	☑ Update
3	2016	Abbas Barfidokht	RENEE_LIN TO ACTION	N823626	Toilet paper	roll	$2.00	1	$2.00	23/12/2016 02:37	☑ Update
3	2016	Abbas Barfidokht	RENEE_LIN TO ACTION	N123448	Acid	ml	$100.00	1	$100.00	23/12/2016 02:37	☑ Update
2	2016	Dong Zheng	BABS-RE109 RM07514	N123445	dish wash detergent	litre	$5.00	1	$5.00	22/12/2016 15:09	☑ Update
2	2016	Dong Zheng	BABS-RE109 RM07514	N123448	Acid	ml	$100.00	5	$500.00	22/12/2016 15:09	☑ Update
1	2016	Dong Zheng	BABS-RE109 RM07514	N123448	Acid	ml	$100.00	1	$100.00	21/12/2016 22:56	☑ Update

Click on Update to edit the order.

Update Order #9

User:	Abhirup Das
Account:	2016 USER SUB $2200 TO 31 DEC
Unit price ($):	90
Order quantity:	4

Submit

Close

To cancel the order, simply change the order quantity to zero.

❖ **Consumable order report**

Lab admin can access all the consumable orders with the sorting features. Go to Staff -> Consumable Resoutrces -> Consumable Order Report.

📑 Consumable Order Report
📍 Report sorted by year.
📍 Report sorted by consumables.
📍 Report sorted by users.

Year: Choose year from the list ⌄

Consumable: Choose consumable from the list ⌄

User: Choose user from the list ⌄

Consumable Code	Description	Current Stock Quantity	Re-Order Quantity	Low Stock Flag
N123448	Acid	0	1	🚩
N123445	dish wash detergent	111	10	
N823626	Toilet paper	95	0	

Consumable details including the stock quantity and low stock flag are provided.

Consumable Order Report

♀ Report sorted by year.
♀ Report sorted by consumables.
♀ Report sorted by users.

Year: [Choose year from the list ∨]

Consumable: [Choose consumable from the list ∨]

User: [Choose user from the list ∨]

Consumable Code	Description	Current Stock Quantity	Re-Order Quantity	Low Stock Flag
N123448	Acid	0	1	🚩
N123445	dish wash detergent	111	10	
N823626	Toilet paper	95	0	

Graphic presentation is available for the reports.

Sort by User:

Consumable Order Report

♀ Report for Dong Zheng.

User: [Dong Zheng ∨]

Order Number	Year	User Name	Account	Consumable Code	Description	Unit	Price per Unit	Order Quantity	Total	Order Date
10	2016	Dong Zheng	APPP-OP001-PS41500	N123445	dish wash detergent	litre	$5.00	1	$5.00	29/12/2016 10:42
8	2016	Dong Zheng	BABS-RE109 RM07514	N823626	Toilet paper	roll	$2.00	1	$2.00	24/12/2016 14:59
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5	2016	Dong Zheng	BABS-RE109 RM07514	N823626	Toilet paper	roll	$2.00	1	$2.00	24/12/2016 02:50
4	2016	Dong Zheng	BABS-RE109 RM07514	N123448	Acid	ml	$100.00	1	$100.00	24/12/2016 02:47
4	2016	Dong Zheng	BABS-RE109 RM07514	N123445	dish wash detergent	litre	$5.00	5	$25.00	24/12/2016 02:47
2	2016	Dong Zheng	BABS-RE109 RM07514	N123445	dish wash detergent	litre	$5.00	1	$5.00	22/12/2016 15:09
2	2016	Dong Zheng	BABS-RE109 RM07514	N123448	Acid	ml	$100.00	5	$500.00	22/12/2016 15:09
1	2016	Dong Zheng	BABS-RE109 RM07514	N123448	Acid	ml	$100.00	1	$100.00	21/12/2016 22:56

N123445 dish wash detergent

2016	January	February	March	April	May	June	July	August	September	October	November	December
	0	0	0	0	0	0	0	0	0	0	0	9

N123448 Acid

2016	January	February	March	April	May	June	July	August	September	October	November	December
	0	0	0	0	0	0	0	0	0	0	0	7
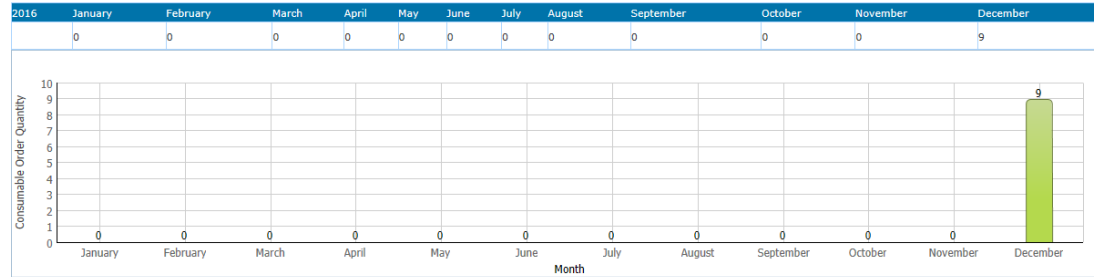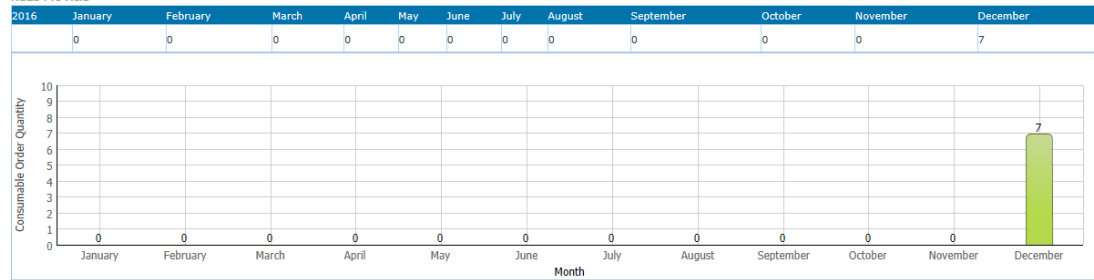
Sort by Consumable:

📄 Consumable Order Report
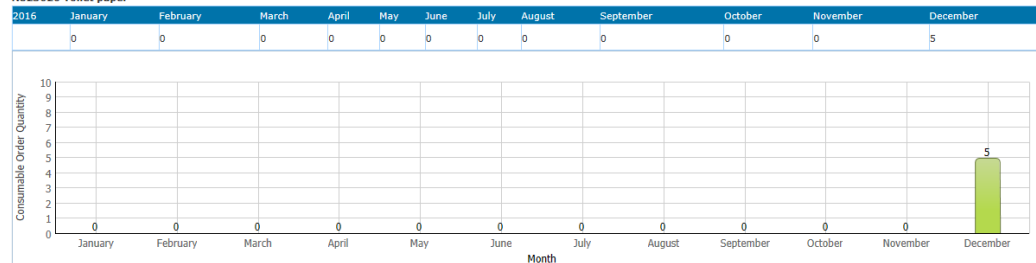
📍 Report for Toilet paper.

Consumable: Toilet paper ▾

Order Number	Year	User Name	Account	Consumable Code	Description	Unit	Price per Unit	Order Quantity	Total	Order Date
8	2016	Dong Zheng	BABS-RE109 RM07514	N823626	Toilet paper	roll	$2.00	1	$2.00	24/12/2016 14:59
7	2016	Dong Zheng	BABS-RE109 RM07514	N823626	Toilet paper	roll	$2.00	1	$2.00	24/12/2016 14:57
6	2016	Dong Zheng	BABS-RE109 RM07514	N823626	Toilet paper	roll	$2.00	1	$2.00	24/12/2016 14:55
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3	2016	Abbas Barfidokht	RENEE_LIN TO ACTION	N823626	Toilet paper	roll	$2.00	1	$2.00	23/12/2016 02:37

N823626 Toilet paper

2016	January	February	March	April	May	June	July	August	September	October	November	December
	0	0	0	0	0	0	0	0	0	0	0	5

❖ **Consumable stock check**

Systerm sends out a daily email to the lab admin on the consumable stock quantity.

Hi Admin,

System runs daily stock check. The current consumable stock quantities are detailed here.

- Consumable: CBL4009 4 inch chrome mask (soda lime) with holder, @stock quanity: 100

- Consumable: DISH06 Crystallising dish for 6, @stock quanity: 200

Kind regards.

ACLS Demo

THIS IS SYSTEM GENERATED RESPONSE. PLEASE DO NOT REPLY.