



Mobile (Android) user guide v2.0 - featuring offline operation

1. Getting Started

Hardware Requirements

Recommended Specifications:

- Display: 800 × 1280 pixels
- Mobile Data enabled (3G minimum)
- Android 4.4.4 or higher
- 1.5 Gb Ram
- Quad-core 1.3 GHz (Gigahertz)

Minimum:

- Display can be 768 × 1024 pixels

Installation

You can get the latest version from the Google play store

If you are upgrading to version 2.0.0 of mSupply Mobile, there are a few changes that need to be made to your mSupply Desktop/Server.

- Upgrade to 3.83 +
- Set Visibility for Supplying Stores (including main Supplying Store)
- Add a new Supplier as facility (External Supplier) and make it visible in mobile store
- Set all other mobile/desktop stores that current mobile store needs to interact with (send/receive Requisition, send/receive Invoices) as 'transfers' in store/synchroniser (this needs to be done by your mSupply team)

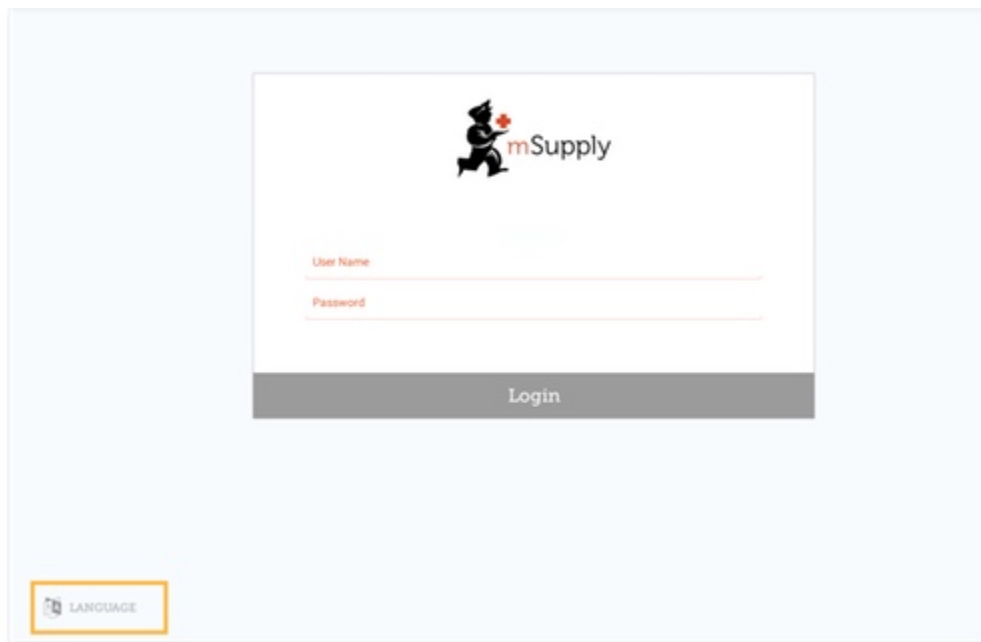
Initialisations

The mSupply mobile App needs to be installed on your tablet. Once it is started, you need to enter the Site user name and password and the URL (Uniform Resource Locator) for the mSupply server that will hold the data that the tablet will generate.

OK. Here we go!

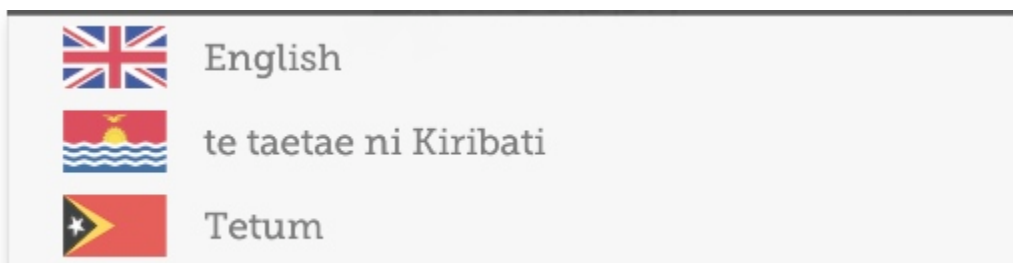
This is the login screen. You will be given a User Name and Password when your tablet computer is installed at your clinic. Your tablet computer can only log in to one facility.

The first thing you will need to do is to choose your preferred language, by clicking 'language' at the bottom left of your screen, as outlined in orange below:

The image shows a login screen for mSupply. At the top center is the mSupply logo, which consists of a black silhouette of a person carrying a red cross on their back, followed by the text 'mSupply' in a sans-serif font. Below the logo are two input fields: the first is labeled 'User Name' and the second is labeled 'Password'. Both labels are in a small, red, sans-serif font. Below these fields is a grey rectangular button with the word 'Login' in white, sans-serif font. In the bottom left corner of the screen, there is a small orange-bordered box containing a globe icon and the word 'LANGUAGE' in a small, black, sans-serif font.

The Tablet above is asking for the user name and password for the person that will be operating the store. This user name and password needs to be set on the mSupply server. Please look up Managing users in this guide

For example, if your first language is Tetum, then you're in luck!

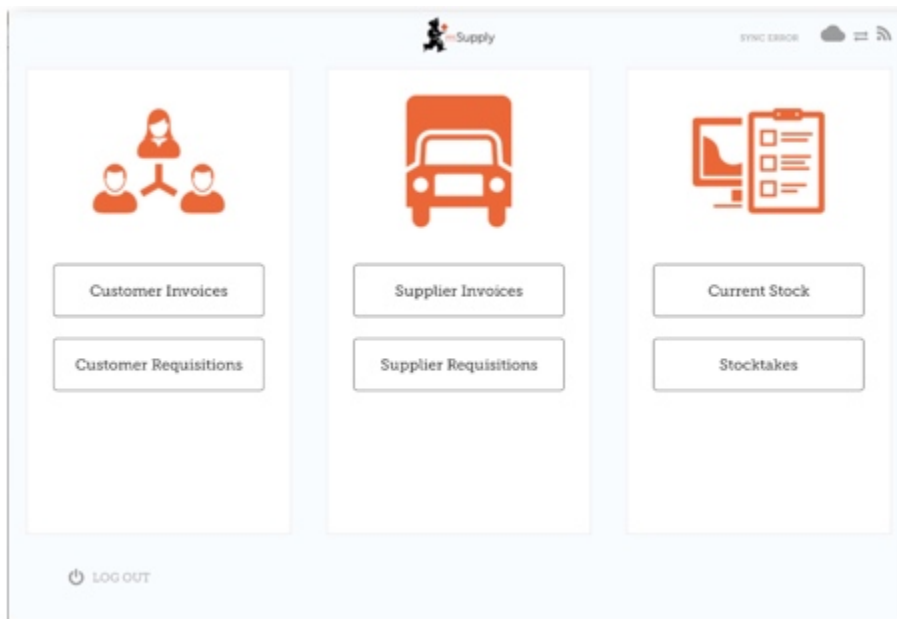
The image shows a language selection menu. It is a light grey rectangular box with a thin dark border. Inside, there are three options, each consisting of a flag icon followed by the language name. The first option is the Union Jack flag followed by 'English'. The second option is the flag of Kiribati (a red field with a yellow sun and a blue wavy band) followed by 'te taetae ni Kiribati'. The third option is the flag of East Timor (a red field with a white star and a yellow triangle) followed by 'Tetum'.

So, once you have selected the language of your choice, enter your User Name and Password and click 'Login'!

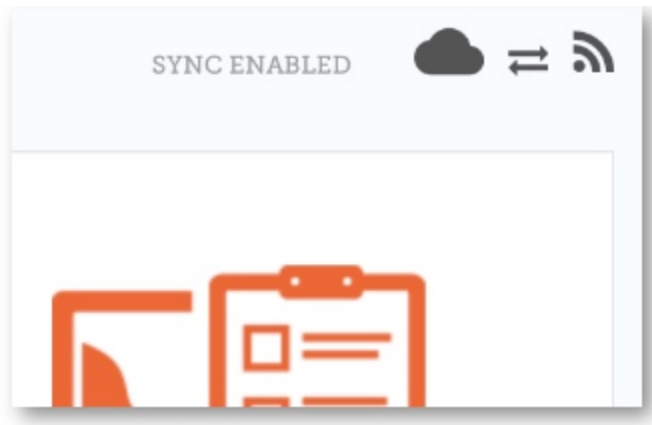


The login screen features the mSupply logo at the top, which consists of a black silhouette of a person running with a red cross on their chest, followed by the text 'mSupply' in a sans-serif font. Below the logo are two input fields: 'User Name' and 'Password', both with red text labels and red borders. At the bottom of the screen is a grey button with the word 'Login' in white text.

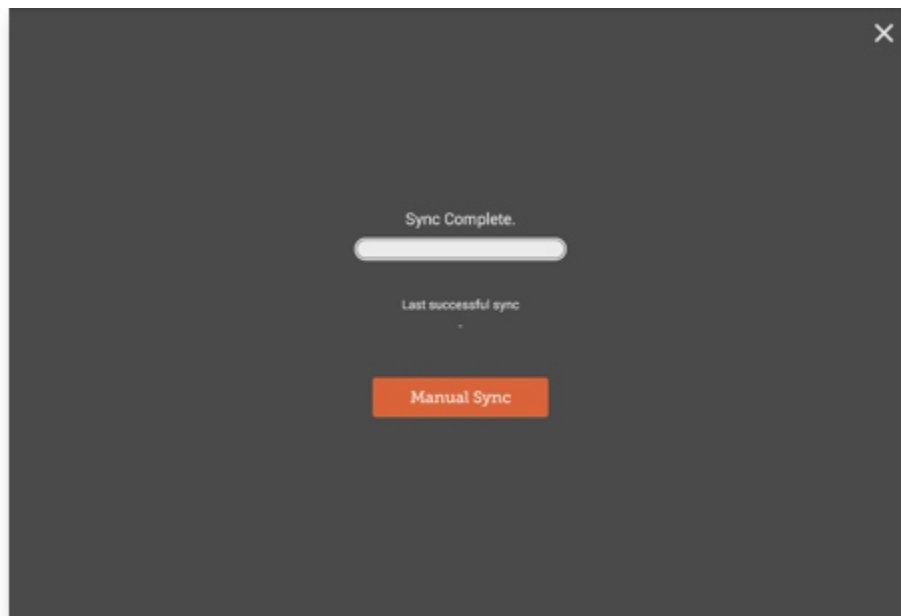
This brings us to the main screen, we will be returning to the main screen a lot as we use mSupply Mobile, so it's important to understand the main functions. Let's go through them one by one.



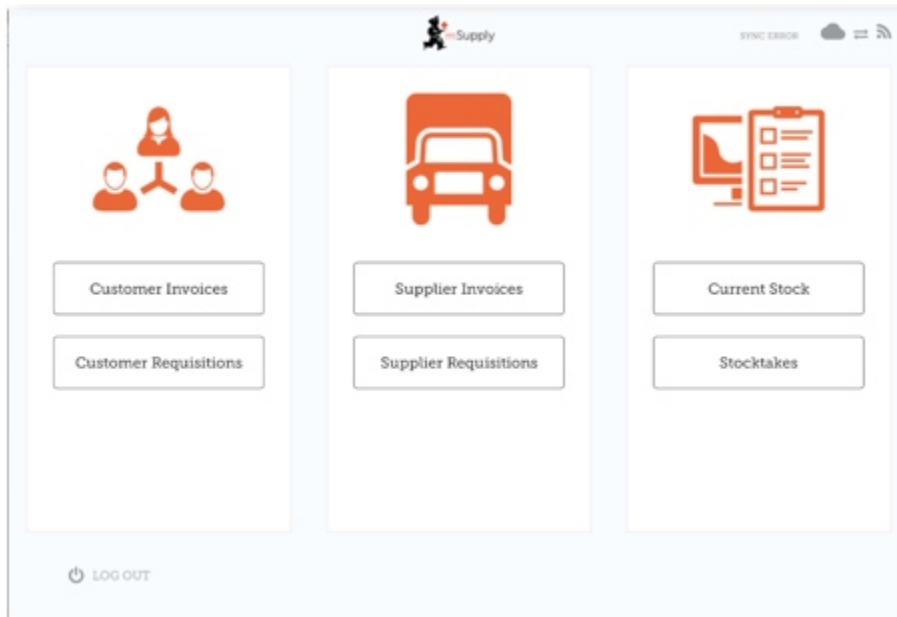
A link on the top right of the screen shows the sync status.



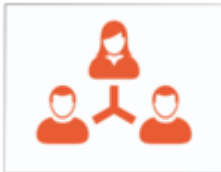
Clicking this link will take you to a page where you can choose to do a manual sync if there is internet connectivity.



You can close this page by clicking the cross on the top right.



CUSTOMERS



The '**Customers**' area is for all the stock that goes OUT of your facility. It contains a list of customer invoices and customer requisitions. Customers can be **other facilities** you supply, **doctors and nurses** doing outreach tours, or **individual patients**.

Customer Invoices

The **Customer Invoice** button will bring up a list of the most recent customer invoices (orders TO customers) and allow you to create new ones.

Customer Requisitions

The **Customer Requisitions** button will bring up a list of the Customer Requisitions.

SUPPLIERS



The '**Suppliers**' area shows orders that you have sent for your own stock. Usually, you will only have ONE supplier (a medical store or other healthcare facility) and this will be pre-programmed for you. The Suppliers area allows you to place orders (**Supplier Requisitions**), see a list of your pending orders, and shows the stock you have already been sent or are waiting to receive (**Supplier Invoices**).

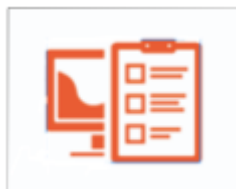
Supplier Invoices

The **Supplier Invoices** button will bring up a list of the orders *you have been sent* or are waiting to receive.

Supplier Requisitions

The **Supplier Requisitions** button allows you to place an order and shows you a list of orders you have already placed.

STOCK



The '**Stock**' section shows you a list of your current stock and allows you to do stocktakes. You can also use this area to search for an individual item (*"how many paracetamol tablets do I have?"*) or to update the stock levels for each item when you realise there is a mistake, or you are doing your regular stocktake.

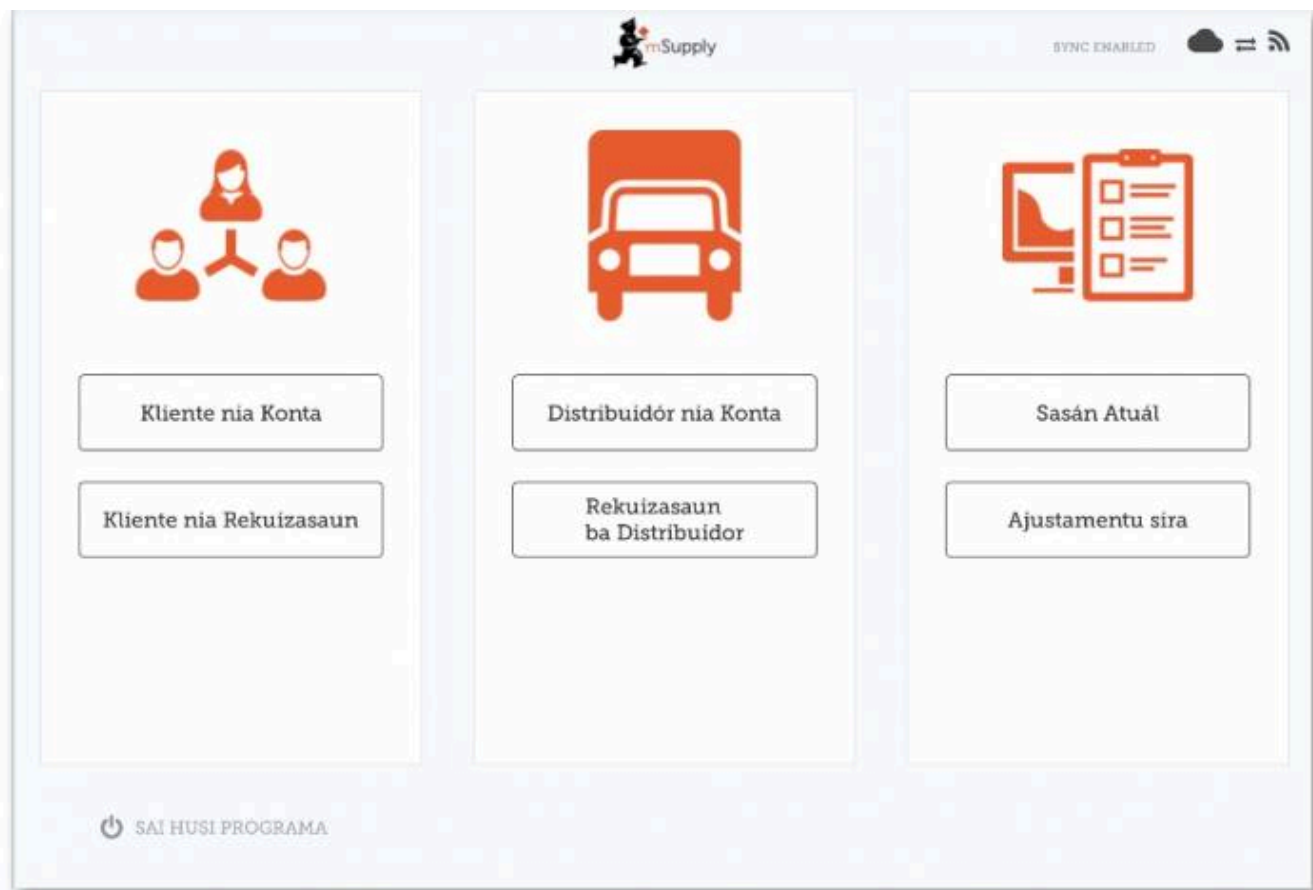
Current Stock

The **Current Stock** button allows you to easily see how much stock you have on hand, search for an individual item, or check expiry dates.

Stocktakes

The **Stocktakes** button allows you to do a stocktake on all items or a small selection of items and shows you a list of all previous stocktakes.

(and here's the main screen in Tetum!)



2. Customer Invoices

Aspen Medical Centre sends an order to your facility. They are doing an outreach tour to households in a nearby village and would like to collect some items to take.

The CUSTOMER is Ami CHC

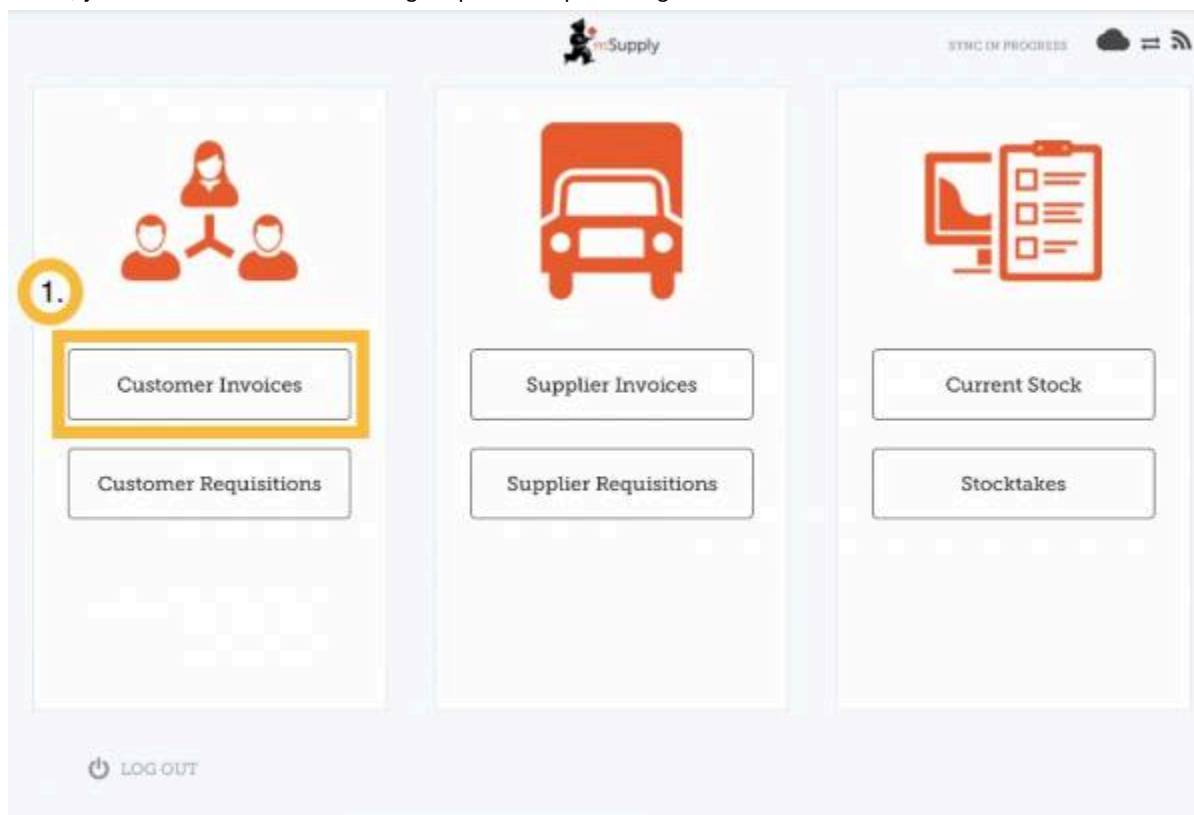
They have ordered:

Amoxicillin 500mg tabs x 11 Paracetamol 500mg tabs x 100 Diazepam Injection 5mg/ml Amp/2ml x 50

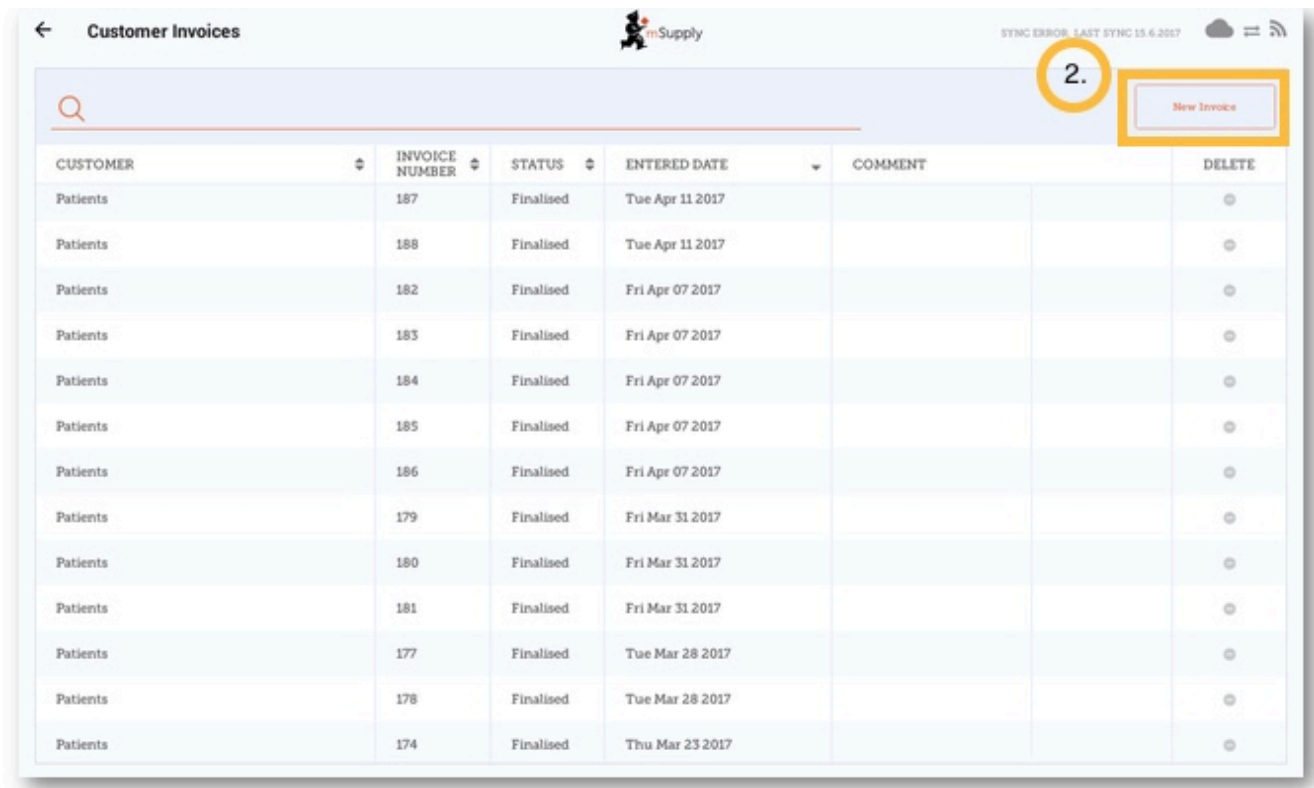
Let's create a Customer invoice...

1. Click on 'Customer Invoices'

The Customer Invoice button will bring up a list of invoices. If you haven't finished working on an invoice and you have not confirmed it, you can click on it now to bring it up and keep working on it.

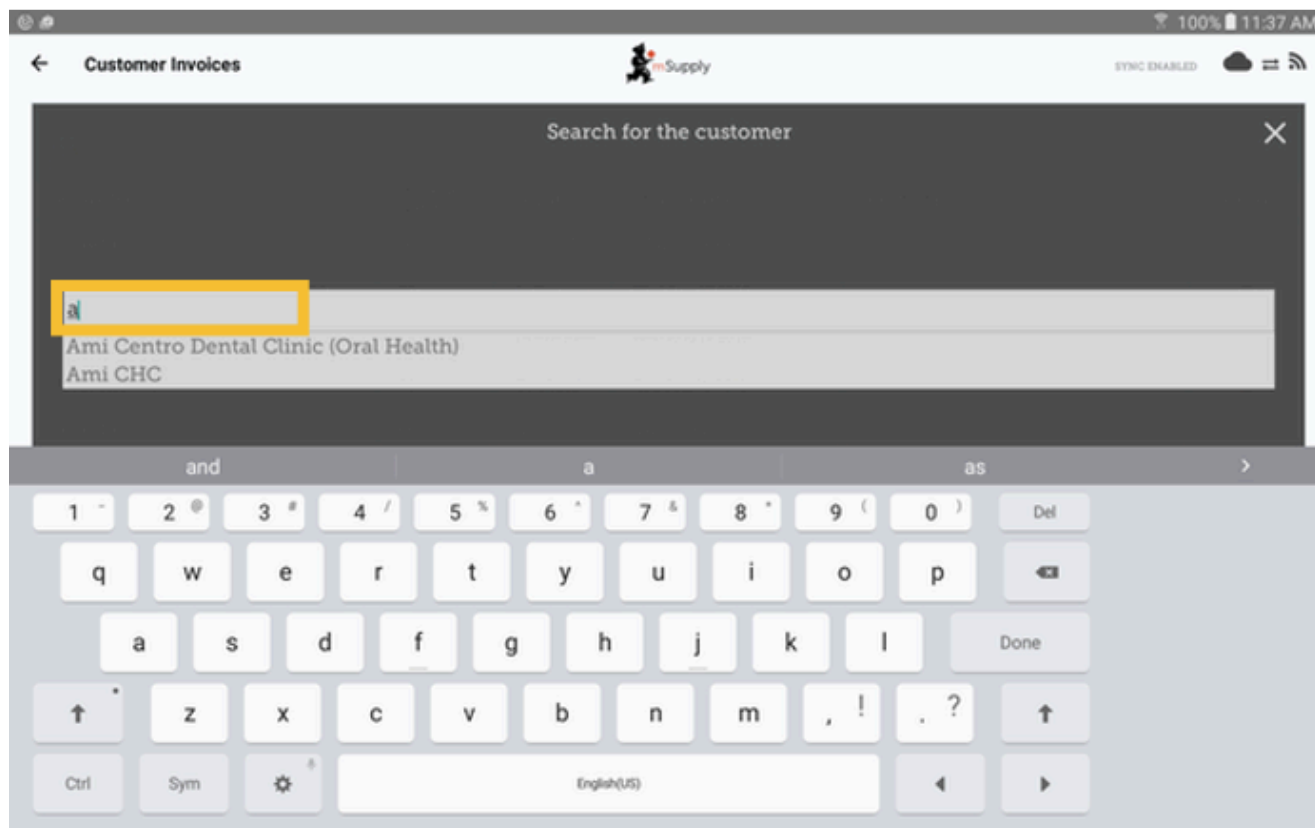


2. To start a new Customer Invoice, click 'New Invoice'.



CUSTOMER	INVOICE NUMBER	STATUS	ENTERED DATE	COMMENT	DELETE
Patients	187	Finalised	Tue Apr 11 2017		
Patients	188	Finalised	Tue Apr 11 2017		
Patients	182	Finalised	Fri Apr 07 2017		
Patients	183	Finalised	Fri Apr 07 2017		
Patients	184	Finalised	Fri Apr 07 2017		
Patients	185	Finalised	Fri Apr 07 2017		
Patients	186	Finalised	Fri Apr 07 2017		
Patients	179	Finalised	Fri Mar 31 2017		
Patients	180	Finalised	Fri Mar 31 2017		
Patients	181	Finalised	Fri Mar 31 2017		
Patients	177	Finalised	Tue Mar 28 2017		
Patients	178	Finalised	Tue Mar 28 2017		
Patients	174	Finalised	Thu Mar 23 2017		

Add the customer you are ordering for..



Search for the customer

Ami

Ami Centro Dental Clinic (Oral Health)

Ami CHC

3. You can add items to the customer invoice one by one. **To do this, click on 'New Item'.**

← Invoice 27 FINALISE ✓

Entry Date: 12/8/2016 Customer: Ami CHC
 Confirm Date: 12/8/2016 Their Ref:
 Entered By: kate Comment:

CODE	ITEM NAME	AVAILABLE STOCK	QUANTITY	REMOVE
03_0452	Amoxicillin 500mg tabs	11	11	<input type="button" value="⊙"/>
04_2744	Diazepam Injection 5mg/ml Amp/2ml	100	50	<input type="button" value="⊙"/>
03_7020	Paracetamol 500mg tabs	100	100	<input type="button" value="⊙"/>

If you have a lot of items to add to the invoice, it can be slow to add them one by one. To add a lot of items at once, **click 'Add Master List item'.**

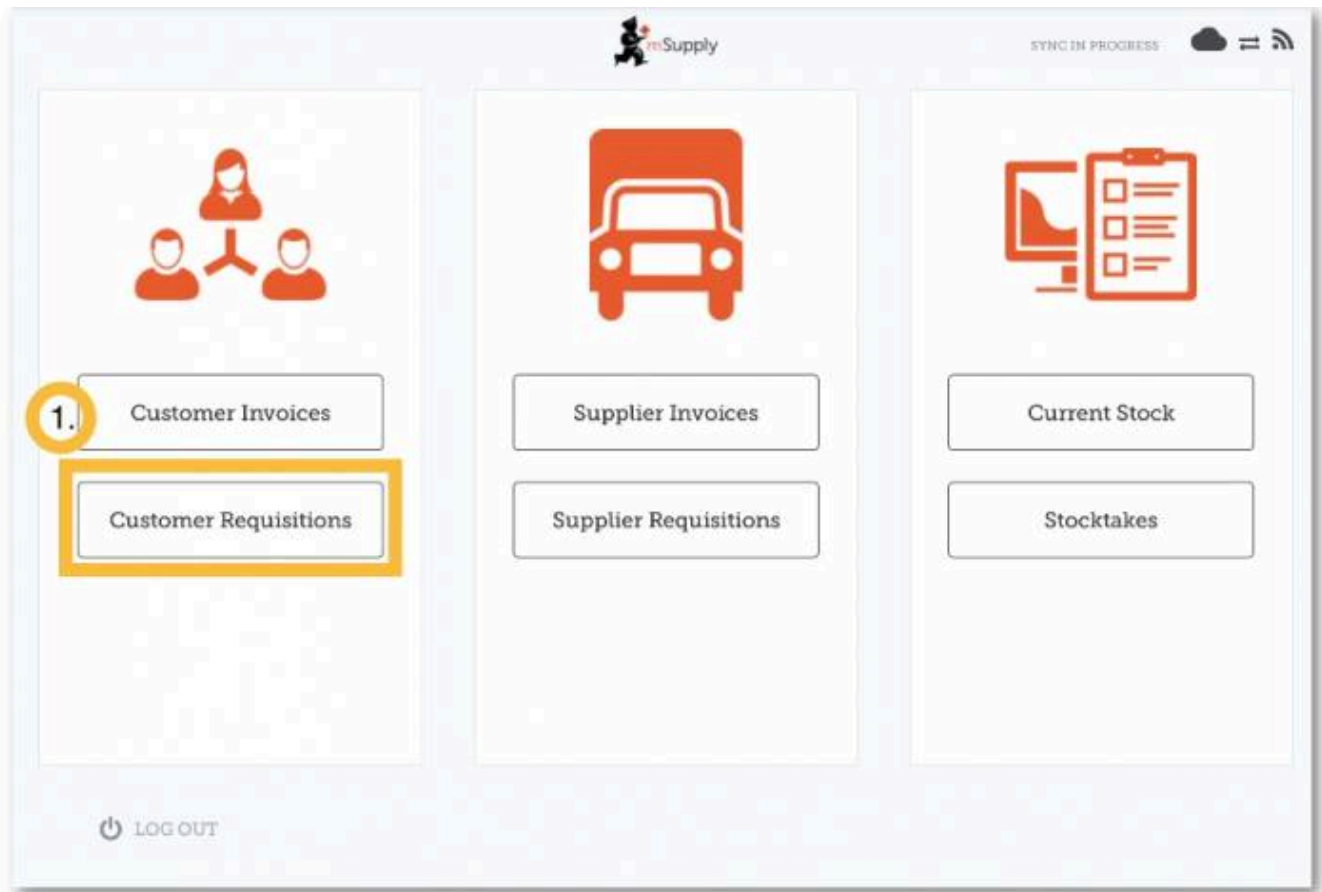
Here you can see we have completed this invoice by adding the 3 items we need.

4. When you have finished, **click the 'FINALISE' button** at the top, and then **CONFIRM.**

What is a Master List?

The Master List is a list of all the items available to you at your facility. The list is set by your supplier, and/or the Ministry of Health.

3. Customer Requisitions



When a customer wishes to order stock from you, they will create a supplier requisition in their own store and it will appear as a customer requisition in your system.

REQUISITION NUMBER	CUSTOMER	ENTERED DATE	ITEMS
23	Balibar PS	Fri Aug 18 2017	1
25	Balibar PS	Mon Aug 21 2017	1

Open the requisition by clicking on it and check the details. If you wish to change quantities of items you are going to supply you can do so now.

Months Stock: 1

Entry Date: 18/8/2017

Q

Customer: Balibar PS

Comment: From request requisition 39 (test1)

Get Requested Quantities

Use Requested Quantities

CODE	ITEM NAME	OUR STOCK	THEIR STOCK	MONTHLY USE	SUGGESTED QUANTITY	REQUESTED QUANTITY	SUPPLY THIS INVOICE
03_0200	Albendazole scored 400mg tabs	136	0	1	1	1	1
06_1098	Benzoic & Salicylic Acid Ointment Whit...	8	0	2	3	2	2
03_2297	Clotrimazole Vaginal Pessary 500mg	0	0	29	30	30	0
13_0300	FP - Microgynon/COC 0.03mg/0.15mg S...	0	0	68	68	68	0

Once you are satisfied with the details you can click the finalise tick on the top right.



mSupply will then generate a customer invoice in your system which will be sent to the customer as a supplier invoice.

4. Supplier Requisitions

You would like to order some stock from your supplier (Medical Stores). You need to place an emergency order for Ampicillin injections and Co-Trimoxazole tablets.

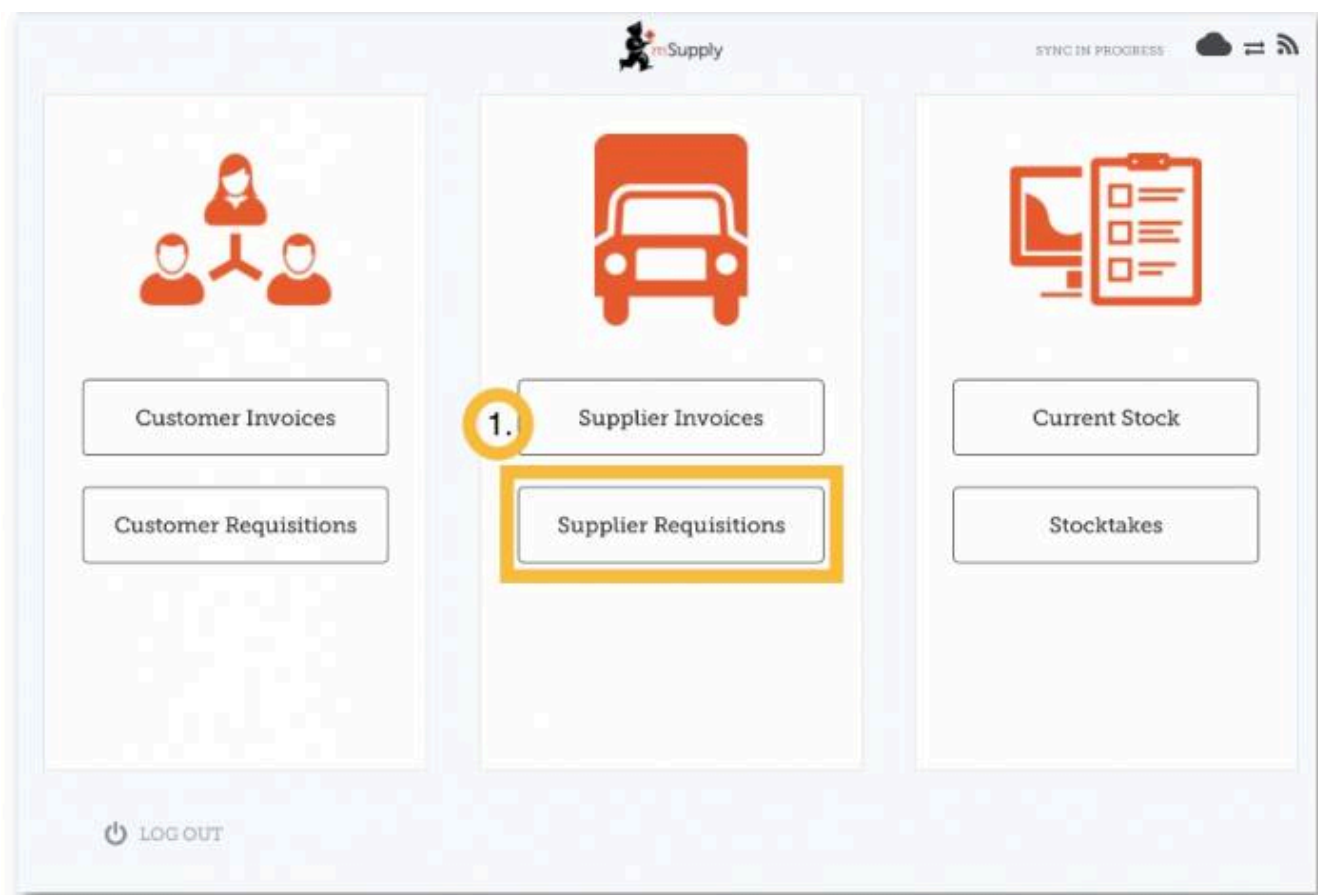
To do this, you must send a 'Supplier Requisition' for:

Ampicillin 1g inj x 300

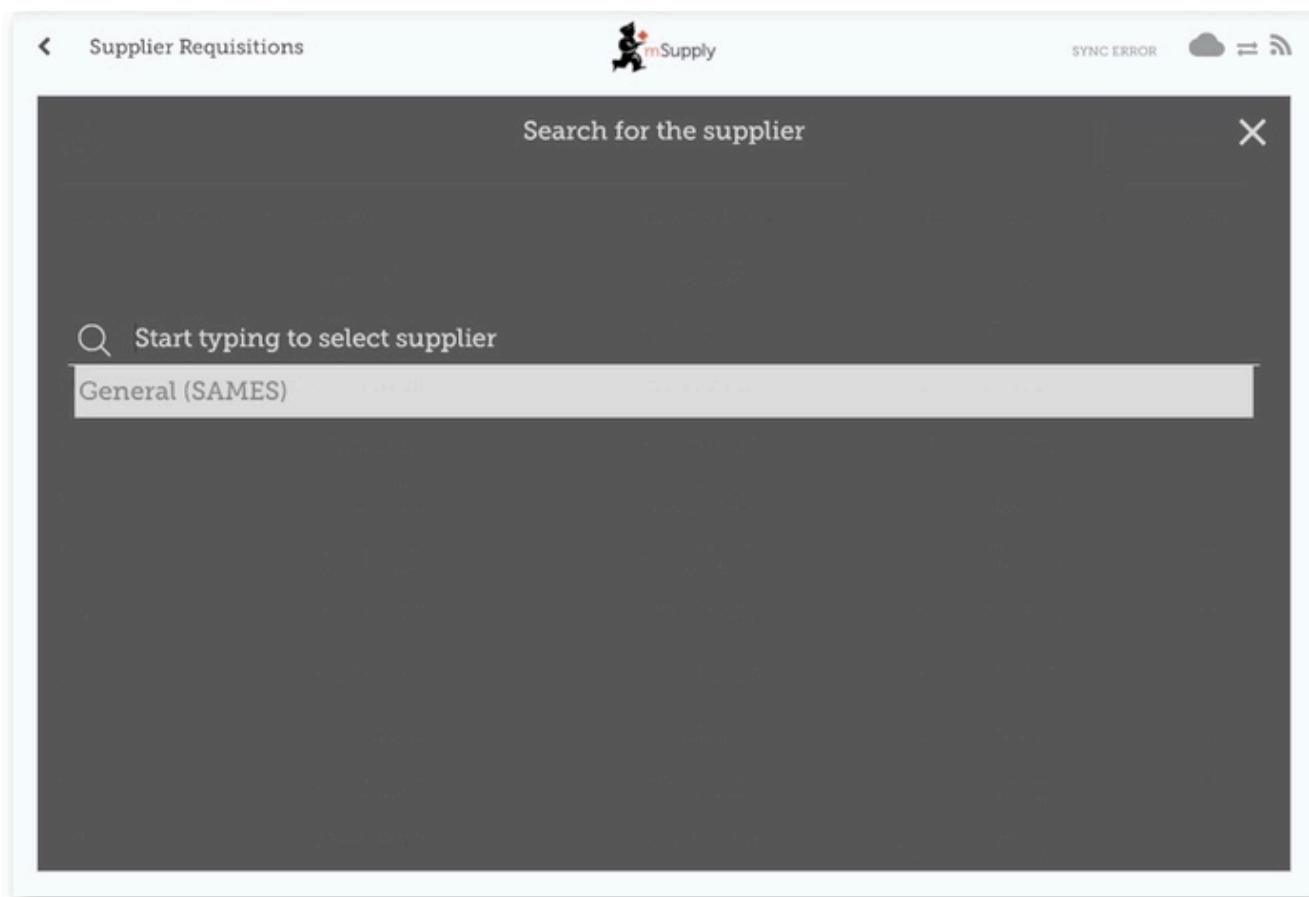
Co-Trimoxazole 480mg tabs x 500

So let's do it!

1. Click on 'Supplier Requisitions'

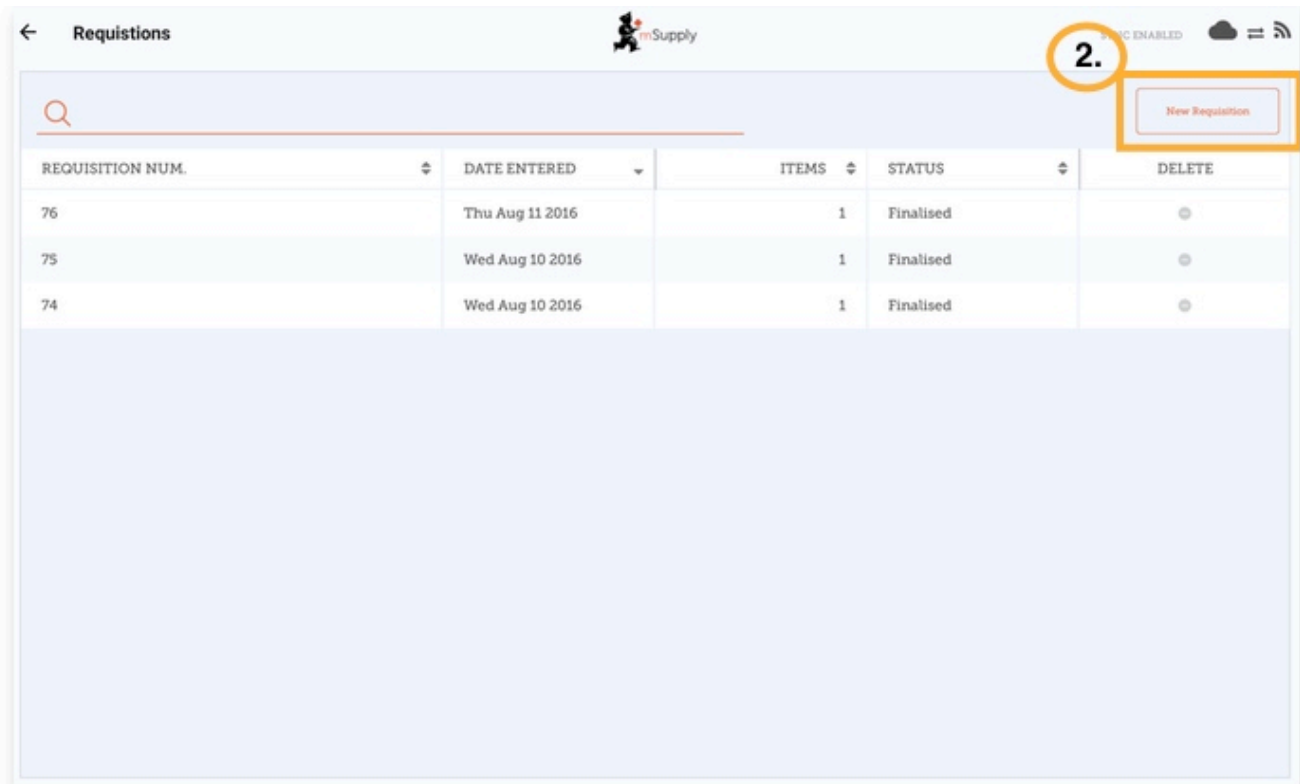


This will bring up a supplier selection screen. Select the supplier here.



You will now see a list of recent requisitions you have placed. If you have started working on the requisition previously, it will display in the Status column as 'In Progress'. If you haven't finalised it, you can click on it and keep working on it.

2. Now click on 'New Requisition'.



These are the two ways to add items to the requisition.

To add a lot of items (for example, when you are placing your main order), click 'Add Master List item'.

If you only have a few items, click 'New Item'. This is the best option for small orders.



3. We only have two items, so click 'New Item'.

Add in the details for the items:



Ampicillin inj x 50

Co-Trimoxazole 480mg tabs x 100



Make sure your quantities are correct. If you want to change them, click on the 'Requested Quantity' column and change the number.

← **Requisition 14**  3. FINALISE 

Entry Date: 12/8/2016 Months Stock Required: 1
 Entered By: kate Comment:

CODE	ITEM NAME	CURRENT STOCK	MONTHLY USE	SUGGESTED QTY	REQUESTED QTY	REMOVE
04_0505	Ampicillin Injection Powder Vial/1gm	81	33	0	50	
03_2381	Cotrimoxazole (Sulfamethoxazole/Trimethopr...	100	0	0	100	

4. You can click on 'Use Suggested Quantities', or 'Create Automatic Order' if you are certain that you are not ordering an item which you have not previously ordered. By choosing one of these options, mSupply will automatically calculate the amounts of each item you require, once it builds up a history of how much stock you're using.

← **Requisition 27**  4. FINALISE 

Entry Date: 18/8/2016 Months Stock Required: 1
 Entered By: kate Comment:

CODE	ITEM NAME	CURRENT STOCK	MONTHLY USE	SUGGESTED QTY	REQUESTED QTY	REMOVE
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5. When you are completely sure that everything is correct, click the 'Finalise' button, then 'Confirm' and your order will go to the supply store.



Even if you don't have internet at the time, it's Ok! The order will send automatically when you do have internet later.

What is the difference between a supplier requisition and a supplier invoice?

A **Supplier Requisition** is an order that YOU have placed to the Medical Stores. A **Supplier Invoice** is a record of what they have sent you. These are not always the same, as Medical Stores might not have had enough stock to fill your requisition, or they might have sent you some stock that you didn't order. When stock arrives at your facility, check it off against the **Supplier Invoice** - as this is what you were supposed to receive.

Calculating quantities on your requisitions...

Requisition 15

Entry Date: 12/8/2016
Entered By: kate

Months Stock Required: 3

Comment:

Create Automatic Order Show Item
Use Suggested Quantities Add Master List Items

CODE	ITEM NAME	CURRENT STOCK	MONTHLY USE	SUGGESTED QTY	REQUESTED QTY	REMOVE
04_0084	Adrenaline HCL (Epinephrine) Injection 1mg/...	5	81	239	0	

When you are creating a new requisition, mSupply Mobile now has a tool to help you work out how much stock you need to order! In the past, you had to use a calculation formula to work out how many of each item, and you needed to do this for EVERY item in your order.

Now, simply select the 'Months Stock Required' and mSupply Mobile will calculate your order quantities automatically. You can even check the amounts and change them if you require.

CURRENT STOCK	MONTHLY USE	SUGGESTED QUANTITY	REQUESTED QUANTITY
30	40	50	50

Your 'Current Stock' is how much stock you have on the shelf now.

The 'Monthly Use' is how much you use in an average month. mSupply uses the last 3 months to calculate this.

The 'Suggested Quantity' is how much mSupply suggests you should order. It calculates this by the formula: (monthly usage x months stock requested) – (stock on hand).

The 'Requested Quantity' is how much you are actually ordering. Usually, this will be the 'Suggested Quantity' but you can change it if you need to.

5. Supplier Invoices

After you've sent your requisition to your supply store, you then wait for your order to arrive.

And wait and wait and wait.....

Then finally your order will be on the way!

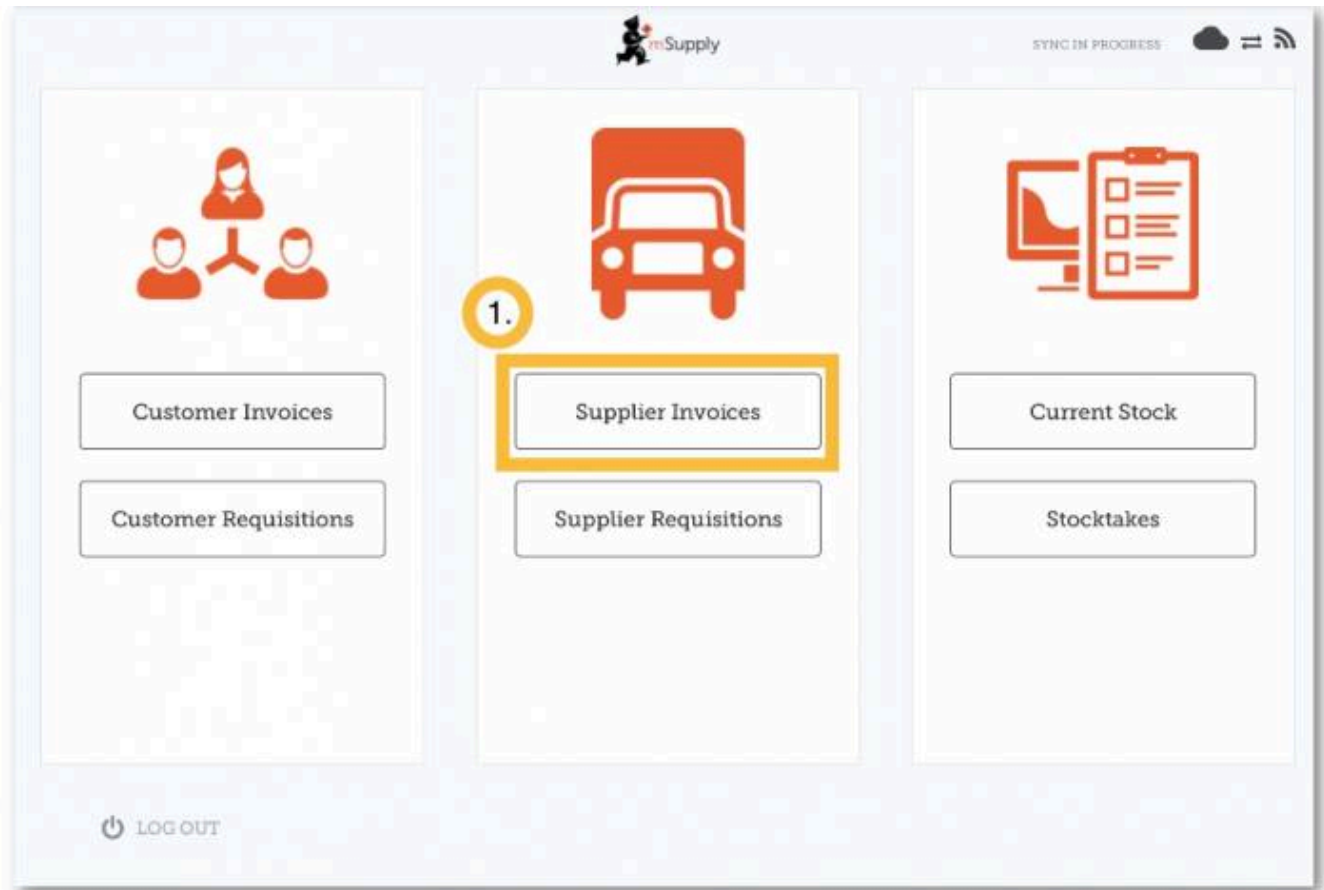
When your order has been prepared by your supply store, you will see a Supplier Invoice. This is exactly like the hard-copy (paper) invoice you would usually receive with your order.

You may still continue to receive a paper invoice when your order arrives, but it is very important you check everything against the electronic invoice on mSupply Mobile when you order arrives.

Remember: The supplier invoice will not always match the requisition you sent.

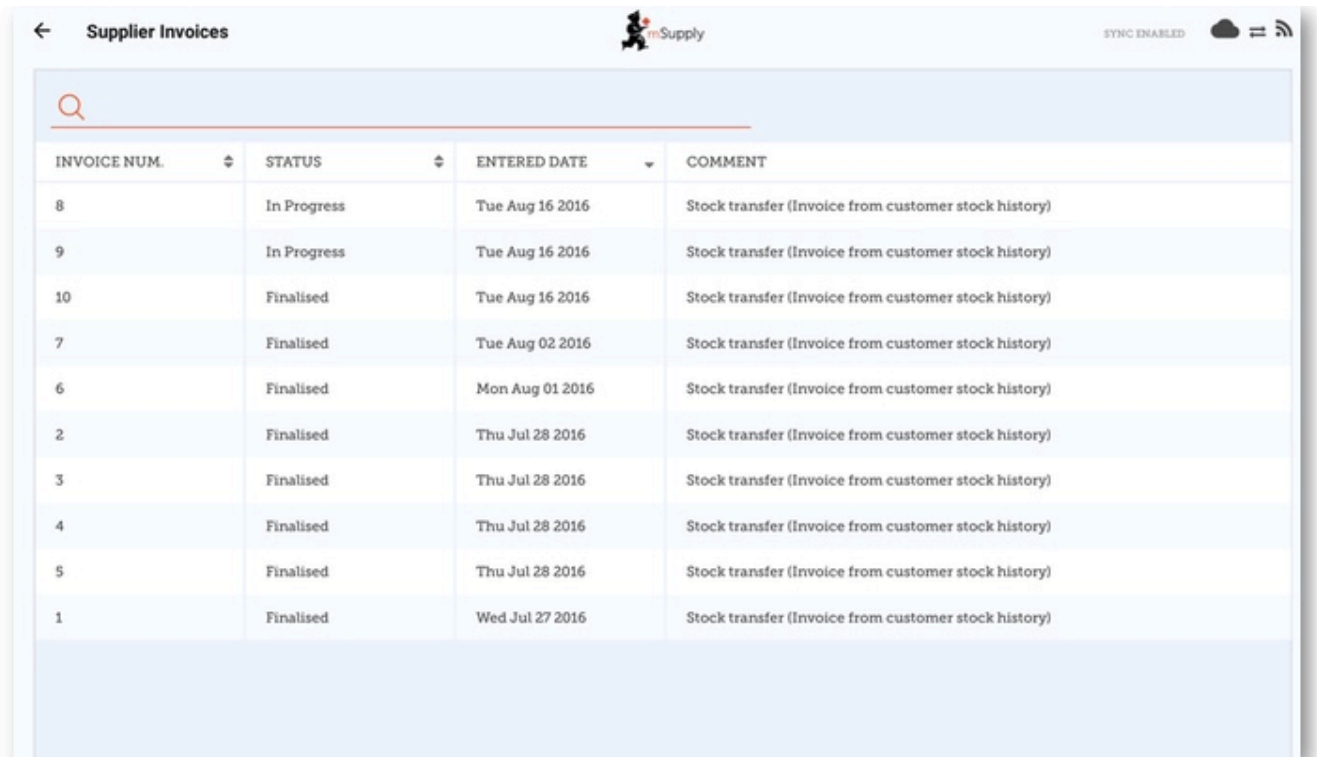
Also remember that the supplier invoice SHOULD match the stock you are receiving, but it may not. You must always check your order when it arrives. You can make changes to the Supplier Invoice on mSupply Mobile, or you can confirm everything is correct. When you are satisfied that the Supplier Invoice matches the stock you have received, you can 'Finalise' the order and accept it into your stock. Your 'Stock-On-Hand' numbers will automatically update!

Let's go through each step...



1. Click on 'Supplier Invoices'



A list of Supplier Invoices will appear. You can use the 'Status' column to check which one you have been sent but has not yet been received.



INVOICE NUM.	STATUS	ENTERED DATE	COMMENT
8	In Progress	Tue Aug 16 2016	Stock transfer (Invoice from customer stock history)
9	In Progress	Tue Aug 16 2016	Stock transfer (Invoice from customer stock history)
10	Finalised	Tue Aug 16 2016	Stock transfer (Invoice from customer stock history)
7	Finalised	Tue Aug 02 2016	Stock transfer (Invoice from customer stock history)
6	Finalised	Mon Aug 01 2016	Stock transfer (Invoice from customer stock history)
2	Finalised	Thu Jul 28 2016	Stock transfer (Invoice from customer stock history)
3	Finalised	Thu Jul 28 2016	Stock transfer (Invoice from customer stock history)
4	Finalised	Thu Jul 28 2016	Stock transfer (Invoice from customer stock history)
5	Finalised	Thu Jul 28 2016	Stock transfer (Invoice from customer stock history)
1	Finalised	Wed Jul 27 2016	Stock transfer (Invoice from customer stock history)

2. Click on the Supplier Invoice you have been sent.



This will bring up your Supplier Invoice. You can see the two items that we entered on the requisition earlier.

← Invoice 10  FINALISE 

Entry Date: 16/8/2016 Their Ref: From invoice number: 117...
 Confirm Date: 16/8/2016 Comment: Stock transfer (Invoice fro...
 Q

ITEM NAME ^	CODE ⇅	NUM. SENT ⇅	NUM. RECEIVED ⇅
Ampicillin Injection Powder Vial/1gm	04_0505	50	50
Cotrimoxazole (Sulfamethoxazole/Trimethoprim) 400/80mg tabs	03_2381	100	100

3. Once you are happy that the 'Number Received' column is correct, click 'Finalise', and then 'Confirm'.

← Invoice 10  FINALISE 

Entry Date: 16/8/2016 Their Ref: From invoice number: 117...
 Confirm Date: 16/8/2016 Comment: Stock transfer (Invoice fro...
 Q

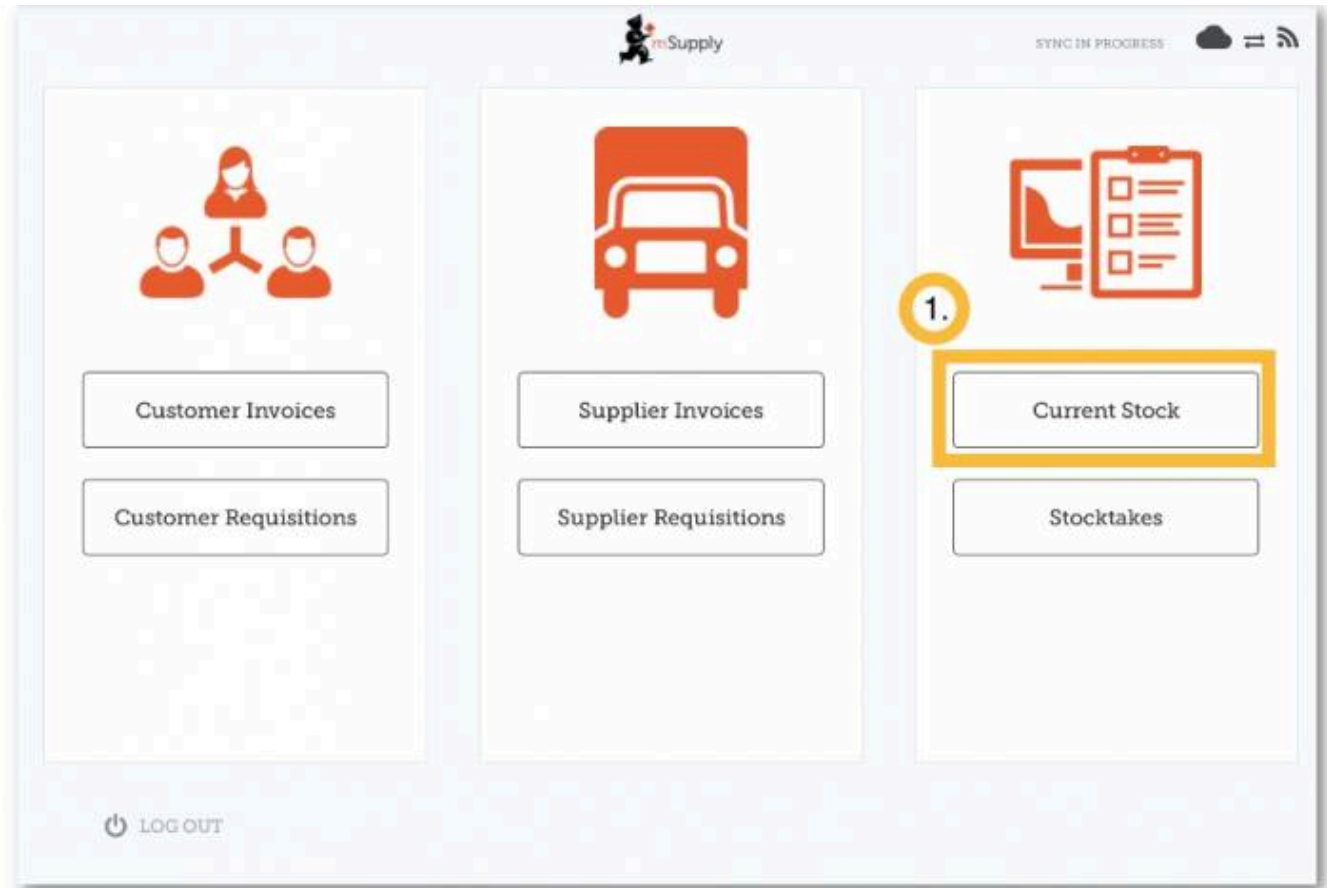
ITEM NAME ^	CODE ⇅	NUM. SENT ⇅	NUM. RECEIVED ⇅
Ampicillin Injection Powder Vial/1gm	04_0505	50	50
Cotrimoxazole (Sulfamethoxazole/Trimethoprim) 400/80mg tabs	03_2381	100	100

6. Current Stock

One of the most important - but easiest - tasks in mSupply Mobile is to check how much stock you have on hand. When you create a Customer Invoice and add an item, mSupply Mobile will tell you if you have enough stock. But at many other times, you might want to quickly check, and it is very simple to do so.

Let's try!

1. Click on 'Current Stock'



This will bring up a list of your current stock-on-hand. You can scroll through this list and quickly see each item's name and 'Stock-On-Hand' (amount of each item you currently have in stock).

ITEM CODE	ITEM NAME	STOCK ON HAND
03_0061	Acetylsalicylic Acid double scored 500mg tabs	0
04_0084	Adrenaline HCL (Epinephrine) Injection 1mg/ml Amp/1ml	5
03_0200	Albendazole scored 400mg tabs	1481
03_0280	Aluminium Hydroxide 500mg tabs	0
03_0452	Amoxicillin 500mg tabs	0
Category: ANTI-INFECTIVES Number of batches: 1 Department: MEDICINE Earliest expiry:		
05_0457	Amoxicillin Dry Powder for Suspension 125mg/5ml Bot/60ml	20
04_0505	Ampicillin Injection Powder Vial/1gm	81
04_0654	Artemether Injection 80mg/ml Amp/1ml	101
03_0630	Artemether/Lumefantrine 20mg/120mg (>35 kg) tabs 6x4	101
03_0651	Artemether/Lumefantrine 20mg/120mg (15-25 kg) tabs 6x2	120
03_0632	Artemether/Lumefantrine 20mg/120mg (25-35kg) tabs 6x3	100

2. If you want to know a little more about an item, click on the item and it will bring up more information, such as the Category, Department, and closest expiry.

If you want to search for a specific item, without having to scroll through, just enter the first few letters into the search bar at the top.

7. Stocktakes

mSupply Mobile will automatically keep track of your stock levels for you, as you receive stock and give it out. But sometimes data gets entered incorrectly or stock goes out without anyone making an entry in the system. Of course, we try not to let that happen - BUT if it does happen, we can make corrections. The easiest way to correct mistakes is to do a stocktake.

With mSupply Mobile, you can easily do the data entry for a full stocktake, OR you can choose to do a stocktake on a limited range of items (such as all your anti-malarials). You can even do a stocktake on a single item, if you notice that the quantity on your shelves is wrong.

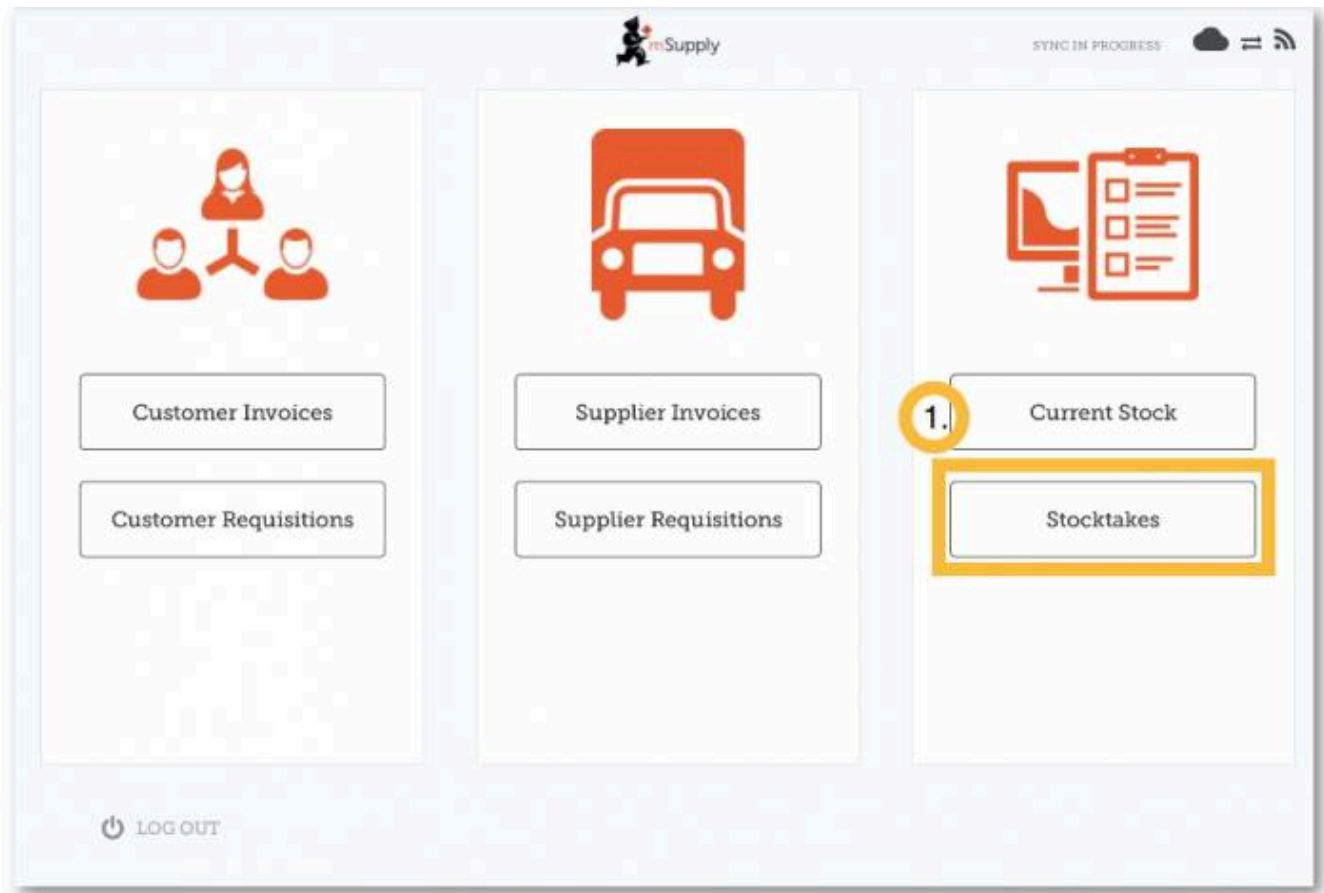
Stocktakes

You should already be doing stocktakes with your current ordering systems.

Stocktakes are a very important way to ensure that the orders we are placing are accurate and that the stock will be correct if anyone checks!

Ideally, you should be doing a physical stocktake of each item **EVERY** time you place a main order- but this depends on your local policies and procedures (and it may not be possible in larger facilities).

Let's learn how to do a stocktake... using mSupply Mobile makes doing stocktake a LOT easier than before.



1. In the main screen, click on 'Stocktakes'

This brings up a list of all your previous stocktakes. The description of each Stocktake will be shown, with its date and 'Status'.

There are two stocktake statuses: **In Progress (Current)** and **Finalised (Past)**.

An 'In Progress' stocktake is one you are still working on. If you want to keep working on an 'In Progress' stocktake, double click on it.

'In Progress' Stocktakes

'In Progress' Stocktakes are the stocktake you are still working on, and haven't finalised.

We **strongly** recommend only having one In Progress Stocktake at any time. This will prevent mistakes when moving between them.

Finalise or delete old stocktake before starting new ones!

Let's start a new stocktake now...

2. Click on 'New Stocktake'

The screenshot shows the 'Stocktakes' screen in the mSupply application. At the top, there's a header with a back arrow, the title 'Stocktakes', the mSupply logo, and a '2.' in a circle next to a 'New StockTake' button. Below the header, there are two tabs: 'Current' (selected) and 'Past'. The main area contains a table with the following data:

NAME	CREATED DATE	STATUS	DELETE
Stocktake 11/8/2016 14:21	Thu Aug 11 2016	In Progress	⊙
Stocktake 11/8/2016 14:20	Thu Aug 11 2016	In Progress	⊙
April full stocktake take	Thu Aug 11 2016	In Progress	⊙
may full stocktake	Thu Aug 11 2016	In Progress	⊙
June full stocktake take	Thu Aug 11 2016	In Progress	⊙
July full stocktake	Thu Aug 11 2016	In Progress	⊙
august full stocktake	Thu Aug 11 2016	In Progress	⊙

3. Select the items that you wish to count by highlighting them in the far right column.

If you want to include EVERY item or most items, click 'All Items Selected'.

4. Give your stocktake a logical name, such as "April Full Stocktake", and click CREATE.

New Stocktake

SYNCHRONIZED

Hide Stockouts All Items Selected

ITEM CODE	ITEM NAME	SELECTED
03_0061	Acetylsalicylic Acid double scored 500mg tabs	<input type="radio"/>
04_0084	Adrenaline HCL (Epinephrine) Injection 1mg/ml Amp/1ml	<input type="radio"/>
03_0200	Albendazole scored 400mg tabs	<input type="radio"/>
03_0280	Aluminium Hydroxide 500mg tabs	<input type="radio"/>
03_0452	Amoxicillin 500mg tabs	<input type="radio"/>
05_0457	Amoxicillin Dry Powder for Suspension 125mg/5ml Bot/60ml	<input type="radio"/>
04_0505	Ampicillin Injection Powder Vial/1gm	<input type="radio"/>
04_0654	Artemether Injection 80mg/ml Amp/1ml	<input type="radio"/>
03_0630	Artemether/Lumefantrine 20mg/120mg (>35 kg) tabs 6x4	<input type="radio"/>
03_0651	Artemether/Lumefantrine 20mg/120mg (15-25 kg) tabs 6x2	<input type="radio"/>
03_0632	Artemether/Lumefantrine 20mg/120mg (25-35kg) tabs 6x3	<input type="radio"/>


Give your stocktake a name Create


5. This will bring up the stocktake editor. This lists each item, its 'Snapshot Quantity' and its 'Actual Quantity' (from the physical count). The Snapshot Quantity is what the system THINKS you have. If it is correct (when compared with your physical count), you don't need to do anything!


The Actual Quantity is what you have actually counted. You can change this by clicking in that column and typing in the correct quantity.

6. Go through each item and compare your physical count with the Snapshot Quantity. Change each one you have to by clicking in the 'Actual Quantity' column. If you change the amount of stock you have in the **Actual Quantity** column, this variation will now show in in the **Difference** column.

This can take some time but remember - if the Snapshot Quantity is correct, you don't need to do anything!

← Stocktake 25/10/2016 12:09 

7. 

6. 

ITEM CODE	ITEM NAME	SNAPSHOT QUANTITY	ACTUAL QUANTITY	DIFFERENCE
ace250t	Acetazolamide 250mg tab	9500	9480	-20
ace100t	Acetylsalicylic acid 100mg tab	30	No change	0
ace300t	Acetylsalicylic acid 300mg tab	0	No change	0
aci200t	Aciclovir 200mg tab	7650	No change	0
aci250t	Aciclovir sodium 250mg inj	100	No change	0
alb400t	Albendazole tab 400mg	300	No change	0
alb25i	Albumin, human injectable sol, 25%	500	No change	0
abl5i	Albumin, human injectable sol, 5%	5000	No change	0
alc110	Alecuronium chl 10mg/2ml inj	5000	No change	0
all100t	Allopurinol 100mg tab	2000	No change	0
alu13s	Aluminium diacetate solution, 13%	9000	No change	0
alu500s	Aluminium hydroxide 320mg/5ml oral susp	9950	No change	0
alu500t	Aluminium hydroxide 500mg tab	420	No change	0

7. When you are finished, click 'Finalise'.



This will update all your stock levels to match the quantities you have entered in the 'Actual Quantity' column.

Like always with mSupply Mobile, you don't need internet to do this - the information will sync in the background when internet becomes available.

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