ShopWise User Guide

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# Overview of ShopWise

## Introduction

**ShopWise** is an Android **Shopping List App**, designed for **10” Tablets**, with consideration for the less technical savvy savvy user in mind. Although designed primarily for 10” tablets, **ShopWise** can be used on smaller tablets and even phones. However, the display size can then be difficult due to the reduction in size.

**ShopWise** is intended to, always be free, always be free from Advertising and always be free from your personal information being recorded and passed to other parties.

**ShopWise** is intended to offer functionality over display wizardry. **ShopWise** has no icons and bar click, long-clicks and scrolling lists, uses no gestures/ fancy finger-work.

## The Shopping List (the main purpose of ShopWise)

The prime function of **ShopWise** is to present a **Shopping List** ordered by **Shop**, then **Aisle** (location within a Shop) and then **Product**. Each level, **Shop**, **Aisle** and **Product** (more correctly **Stock**, as will be clarified later) has an order field from 1-9999 (lower order appears first).

The **Shopping List** includes a heading that details the **Total Cost** of the Items in the Shopping List, the **Amount Spent** and the **Amount Remaining to be Spent**.

A simple click (touch) of the **BOUGHT** button, that each row includes, mimics the placement (purchase) of the respective **Product** (Stock) into the **Shopping Basket**; when the quantity purchased equals the quantity ordered the relevant row in the list is checked-off.

The **ADJUST** button, allows an item to be adjusted, the quantity, price and description of the Product can be changed. Checked-off items can be unchecked by adjusting the quantity to be more than 0 conversely adjusting the quantity to 0 will check-off an item.

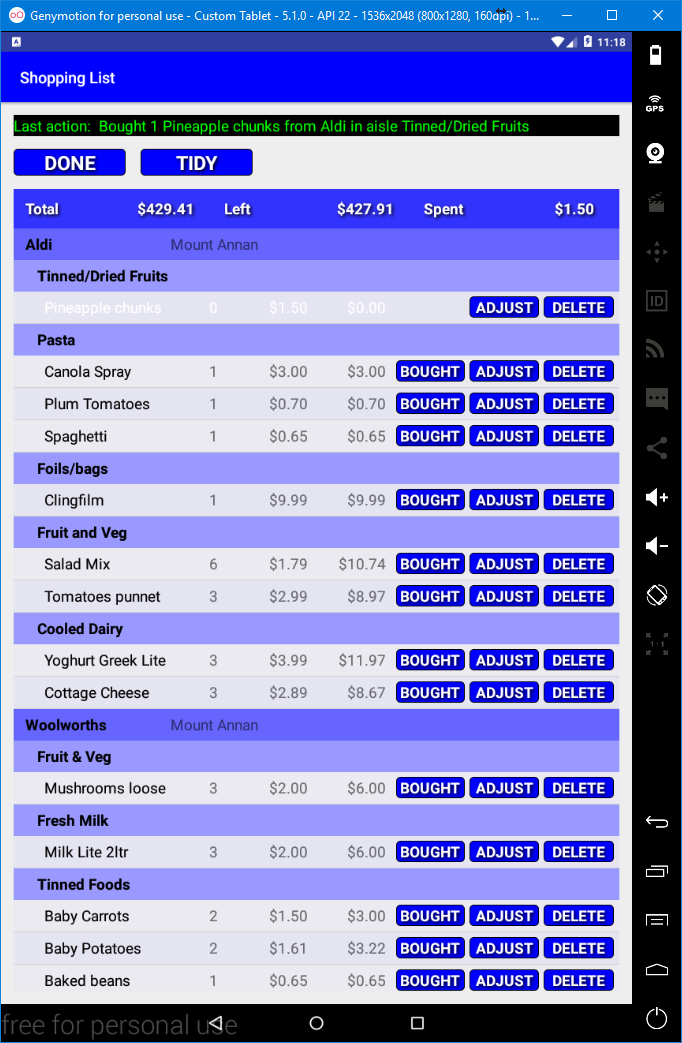
The **DELETE** button removes the respective row from the Shopping List without recording any purchases.

The **DONE** button returns to the Main Display (similar to using back).

The **TIDY** button removes all of the Checked-Off rows, leaving any remaining purchases for the next time.

*A brief history of purchases is kept. That is the first purchase date, the last purchase date and the total purchased are recorded for use by the Rule Suggestion and Rule Accuracy features.*

### The Shopping List:



Note! **BOUGHT** button hidden when checked-off

BOUGHT, ADJUST and DELETE Buttons

A **Checked-Off Row**

(*i.e all the required quantity have been purchased*)

Row showing **Product**, quantity to get, **price** for 1 and total price.

Shop Heading (for each Shop)

Aisle Heading (for each Aisle)

**Messages**

**Totals Heading**

*The first* ***Shop*** *is Aldi, the Second Woolworths. Aldi has* ***Aisles****, Tinned/Dried Fruits, Pasta, Foil/Bags, Fruit and Veg and finally Cooled Dairy(it may have other Aisle but only those with items to buy are shown in the Shopping List). Within* ***Pasta*** *are Products, Canola Spray, Plum Tomatoes and Spaghetti. It is the respective* ***Order*** *fields that determines the sequence.*

*e.g.* ***Shop*** *Aldi has an* ***Order*** *of* ***1000****, Woolworths* ***1100*** *so* ***Aisles*** *and* ***Products*** *in Aldi are displayed before* ***Aisles*** *and P****roducts*** *in Woolworths (change Woolworths to 900 and aisles and products in Woolworths would appear before Aldi). Likewise* ***Aisles*** *have an* ***Order*** *on a per* ***Shop*** *level (Aisles are specific to a Shop). Furthermore,* ***Products*** *(actually* ***Stock*** *as will be learnt) have their own* ***Order*** *on a per* ***Aisle*** *basis.*

# ShopWise Terminology

Few would not understand what a Shop or an Aisle is. However some may be more used to using the term store for a shop and want to find something at a counter rather than an aisle. Further complications can arise as words can often have multiple meanings e.g. shop could mean a place where you can buy produce or it can mean to go and buy something. As such this section tries to clarify what terms mean when using **ShopWise**.

Generally words that are all **CAPITALS** represent an option that performs an action via a button that can be clicked.

* **SHOPS** – Where products are sold.
  + **Shops** have a name, a city (to distinguish between like name shops such as chains) and an **Order** (to determine the order in which they appear in the **Shopping List**).
* **AISLES** – A location within a shop where products can be obtained. Could **ShopWise** be used to arrange Weddings? Perhaps ☺.
  + **Aisles** have a reference to the **Shop**, a name and an **Order** (to determine the order that they appear within the **Shop** in the **Shopping List**).
  + It may not necessarily be an aisle. Some shops may only serve you from a counter where you ask where for what you want (e.g. a Deli Counter).
  + You may want to split actual Aisles into section, conversely you may wish to only have 1 **Aisle** for a **Shop**.
  + In short **ShopWise** provides flexibility.
  + At least 1 **Aisle** is required per **Shop** to be meaningful within **ShopWise** (*i.e. you can define a shop without any Aisles. However that Shop cannot then have Stock (purchasable products) and thus nothing can be ordered from such a shop*).
* **STORAGE** – A location, likely at Home, where you store products e.g. the pantry, the fridge etc.
  + A **Storage** item has a name and an **Order** (to determine the order that the **Storage** locations appear in the **CHECKLIST**).
  + **Storage** facilitates the **CHECKLIST** feature, allowing you to check what you have in an ordered fashion.
  + Again **ShopWise** is flexible, you may wish to just have a single **Storage** location, such as Home. However, at least 1 **Storage** is required.
  + Note **Storage** is often used to refer to a **Storage** location, rather than all **Storage** locations.
* **PRODUCTS** – An item that would be stored at home.
  + It should be noted that there is a distinct difference between a **Product** and **Stock**, the latter being more specifically a **Product** assigned to/located in an **Aisle** within a **Shop**.
    - A **Product** has a name, a Storage Location and a Storage Order.

**STOCK** – **Products** assigned to an **Aisle** within a **Shop** with a price/cost attached and additional values. Something that you can buy from a specific **Shop**.

* + In **ShopWise** **Stock** has different attributes than a **Product**.
    - A **Stocked** Item references an **Aisle** (*and thus implicitly a* ***Shop***).
    - A **Stocked** item also references a **Product** (*and thus implicitly the Products attributes, name, storage location and storage order*).
    - A **Stocked** item has other fields such as the first and last purchase date, the cost/price, the number purchased, an indicator to signify if it should appear in the checklist, and the quantity to check for when using the **CheckList**.
    - A **Product** can be **Stocked** multiple times. However, each has to be unique (*thus the aisle has to differ /be unique*).
  + **Stock** can be considered as a purchasable product.
* **ORDER –** Lists Stock, according to **Product name** allowing items to be added to the **Shopping List** in an ad-hoc way.
  + e.g. you may have just used a can of Baked Beans and wish to add them to the **Shopping List**.
  + Generally if the **Stock** has been marked as appearing in the **CHECKLIST** you could wait until you use the **CHECKLIST** feature. However, either way can be used.
  + **ORDER** displays a list of all **Stock**. The list includes the number already in the Shopping List.
  + The list can be filtered to quickly find the relevant **Stock** item(s).
  + **Order** (note capitalised rather than all uppercase) is also used as the name of a field for **Shops**, **Aisles**, **Stock** and **Products** for ordering lists (**Shopping List** and **Checklist**).
  + The sort order can be changed by clicking a heading.
  + Clicking a heading when already sorted by that heading, results in the sort order toggling between ascending and descending order.
  + **ADD** adds 1 of the respective item to **the Shopping List**.
  + **LESS** removes 1 of the respective item from the **Shopping List** (*note* ***LESS*** *cannot reduce the number below 0*).
* **CHECKLIST** – Lists **Stock**, set as to appear in the **Checklist**, according to **Storage location** and then **Product Order** (*sort order is fixed i.e. clicking headings will not change the sort order*).
  + The List includes the **Level** to be checked against.
    - E.g. you may wish to buy a can of baked beans if you do not have three cans at home. Thus the **level** could be set to 3.
  + **Check-Off** button checks-off an item in the list (**UNCHECK** button replaces the **Check-Off** button and the **ADD** and **LESS** buttons are hidden).
  + **ADD** adds 1 of the respective item to the **Shopping List**.
  + **LESS** removes 1 of the respective item from the **Shopping List** (*cannot reduce to below 0*).
* **SHOPPING –** Displays the Shopping List (this has been covered previously).
* **RULES –** Entries that allow regular automated or prompted additions to the **Shopping List** on a regular basis.
  + Regularity is determined by two fields a **INTERVAL** field and a **MULTIPLIER** field.
  + **Interval** is one of **DAYS**, **WEEKS**, **FORTNIGHTS**, **MONTHS**, **QUARTERS** or **YEARS**.
    - Note using Months for a day of the month that is 29-31 can be confusing due to some months not having that many days.
  + **Multiplier** is a number, an Integer. It is used in conjunction with **Interval** to produce the regularity/frequency of or prompts.
    - E.g. an **Interval** of **WEEKS** and a **Multiplier** of **3** equates to Each 3 Weeks.
  + **Prompted** Rules appear, if there are any, when **SHOPPING** is clicked.
    - Initially a **Dialog** is displayed as a reminder that **Prompted Rules** will be displayed. Clicking on **Proceed** displays the list of **Prompted Rules**.
    - **ADD** adds to the **Shopping List** and marks that occurrence as done (setting the date of the next occurrence).
    - **SKIP** skips adding that occurrence to the Shopping List and marks the occurrence as done (setting the date of the next occurrence).
    - **NOTE!** subsequent occurrences may become active and then appear in the List.
      * This would be the case if the regularity of the **Prompted Rule** is greater than the period between uses of the **Shopping List**.
      * E.g. If you setup a rule to be daily but only displayed/used the Shopping List on a weekly basis, then there would be 7 occurrences but each would appear individually only after it’s previous occurrence had been added or skipped (i.e. the date of the next occurrence is worked out only when an occurrence is actioned (added or skipped).
    - **DONE** will proceed to the **Shopping List** without either adding or skipping any of the displayed rules (so the occurrences would still be available).
      * i.e. this is an exception to the general use of **DONE** that returns to the previous display.
* **TOOLS** – Features that are complimentary to the main features of **ShopWise** or have a secondary nature of use.
  + **BACKUP** – Backup and restore of the **ShopWise Database**.
    - With careful use could be used to utilise multiple Databases.
  + **RULES** – Suggestion of Rules (**SUGGEST**) and Accuracy Checking of Rules (**CHECK**) based upon shopping history.

# Common Features of ShopWise

This section covers some of the common features or aspects used within **ShopWise** and also exceptions to the commonality.

## Main Display Options/Buttons

The primary words in the preceding list of terminology (e.g. **SHOPS**, **AISLES**, **STORAGE** etc) have been given in order that the Buttons that appear on the **Main Display** of **ShopWise** when all options are available. The **Main Display** being the options available when **ShopWise** is started and when an option and any sub options have been completed via the respective **DONE** button. The **DONE** button returns from the selected option/sub option.

* Main Display Option availability is dependent upon the data that has been input into **ShopWise**.
  + When **ShopWise** is first used and there is has been no data input only **SHOPS**, **STORAGE** and **TOOLS** options are available.
  + **AISLES** is available when at least 1 Shop has been added.
  + **PRODUCTS** requires at least 1 Storage location.
  + **STOCK** requires an Aisle and a Product and thus a Shop and a Storage location.
  + **ORDER**, **CHECKLIST** and **SHOPPING** are only available when a Stock item exists.

## The DONE Button

The **DONE** button appears on all displays with the exception of the **Main Display**. Clicking the DONE button will return to the previous **Display**, without performing any actions e.g. if changes are made but not saved and **DONE** is clicked then the changes will not be made.

* One exception is when Prompted Rules are displayed when clicking on SHOPPING and after clicking on **PROCEED** (or alternately clicking outside of the dialog which has the same affect). In this case the **DONE** button finishes the **Prompted Rules** display allowing the **Shopping List** to be displayed (any prompted rules not skipped or added will remain as they were and will be prompted for when next clicking on **SHOPPING**).

## Messages

Most displays have a message area below the display Title (the top coloured bar). Messages will be displayed here.

Messages have a black background with either green or yellow text.

Green text indicates an expected result. Yellow text indicates an issue occurred.

Displays, such as the Main display, that only have buttons for options do not have a message area.



*Example of a message (from the* ***Shops*** *display, after clicking on a heading to sort the list)*

## Icons

**ShopWise** has been written with no icons as they can be confusing. However, third party offerings are outside of this remit. There is only one such known third part offering used by **ShopWise** and that is the date picker (used when adding or editing rules), this can vary according to the version of the Android Operating system in use. A custom date picker is being considered.

## Gestures

The use of gestures is purposefully kept low in order to try to concentrate on functionality rather than aesthetics. **Clicks**, **Long Clicks** and **Scrolling** are the only gestures used in **ShopWise** (*again barring third party offerings*).

* **Clicks/Clicking** – Is a short/single touch. Clicks are the most commonly used gesture. The Click gesture is used for:
  + Performing the action of a Button.
  + Selection of the relevant item from a DropDown lists (aka Spinner).
    - E.g. AISLES – ADD/EDIT has a DropDown selector for the Shop.
    - You click the DropDown selector once to display the list and then to select an item from the list.
  + Performing Edit, and where applicable Stock, actions from a list.
    - Note only primary lists i.e. not lists that are displayed as a result of selecting an item from a list.
    - e.g. if you were to click on a Shop in the list shown via SHOPS and select EDIT the list of existing Shops shown in Shops – Edit ignores clicks (and also Long Clicks).
  + Headings
* **Long Click/Clicking** – Is a touch of longer duration of about 2 seconds. However, it can be changed via accessibility options (*Touch and Hold Delay*). The Long Click gesture is used for:
  + Selecting more restrictive/sensitive actions from a List.
    - Currently only Delete actions.
    - An intermediate Dialog will display the impact of the Deletion. E.g. deleting a Shop will also require the deletion of all Aisles and thus all Stock and thus Rules, Shopping List Entries and **CheckList** entries that are used by that Shop. Products would not be deleted.
    - More information regarding the impact of Deletion is provided when discussing the Features/Options.
    - Note only applicable to primary Lists i.e. not lists that are displayed as a result of selecting an item from a list.
    - e.g. if you were to click on a Shop in the list shown via SHOPS and select EDIT the list of existing Shops shown in Shops – Edit ignores clicks (and also Long Clicks).
* **Scrolling** – Is a slide of the finger in the required direction (up or down or left or right). **ShopWise** only uses **up**/**down** scrolling. Scrolling is only applicable to lists, noting that a dialog may also be scrollable if there is more data than can be displayed at once.
  + Scrolling is limited to just changing what appears on the screen.
  + Aspects such as the appearance of the scroll bar and list top/bottom indicators are specific to the Android version.

## Filtering

Filtering is entering text in a filter than then results in the data being displayed to items that include the filter text within the respective field.

e.g. if you were to type **a** (or A filtering is case independent) then all items that have an **a** would be displayed. If you then added a **t** (filter is now **at**) then items that include **at** would be displayed and so on.

* The filter can include \_ (***underscore***)as a single wild character e.g **a\_t**, would include p**att**ies (**a?t**), Chicken Bre**ast**s (a?t) etc.
* The filter can include **%** as a varying length wild character e.g. **a%t** would include c**arrot**s (**a???t**).
* Some fields are implicit filters, that is they are not labelled as a filter but filter the results. e.g. The **Product** field in **Product Add/Edit** will filter the List of Products.

# Installation of ShopWise

# The Main Display and it’s Options

The Main Display is the display that is shown when ShopWise is started, it consists of a list of buttons.

These buttons reflect the terms that are all **CAPITALS**; **SHOPS**, **AISLES**, **STORAGE**, **PRODUCTS**, **STOCK**, **ORDER**, **CHECKLIST**, **SHOPPING**, **RULES** & **TOOLS**. However, only buttons/options that can be used are display.

The **SHOPS** button is always available.

The **AISLES** button will not be shown if there are no **Shops.** An **Aisle** must be owned by a **Shop**.

The **STORAGE** button is always available.

The **PRODUCTS** button will not be shown if there are no **Storage** locations. A **Product** must be owned by a **Storage** location.

**STOCK** will not be shown if there are either no **Aisles** or there are no **Products**. A **Stock** item must be owned by a unique combination of an **Aisle** and a **Product**. **Stock** is implicitly owned by a **Shop** due to the requirement that it is owned by an **Aisle**.

The **ORDER**, **CHECKLIST**, **SHOPPING** and **RULES** buttons will only be shown if there is at least one **Stock** (Stocked Items). An **Order** (add an ad-hoc Stock item to the **Shopping List**) cannot be made if there is no **Stock**. Nothing can be checked if there is no **Stock** (similarly **CHECKLIST** is adding **Stock** items to the **Shopping List**). If there is no **Stock** then nothing can be added to the **Shopping List**, so **SHOPPING** is unusable. If there is no **Stock** then a **Rule** cannot be set (again **Rules** are adding **Stock** to the **Shopping List**).

The **TOOLS** button is always available.

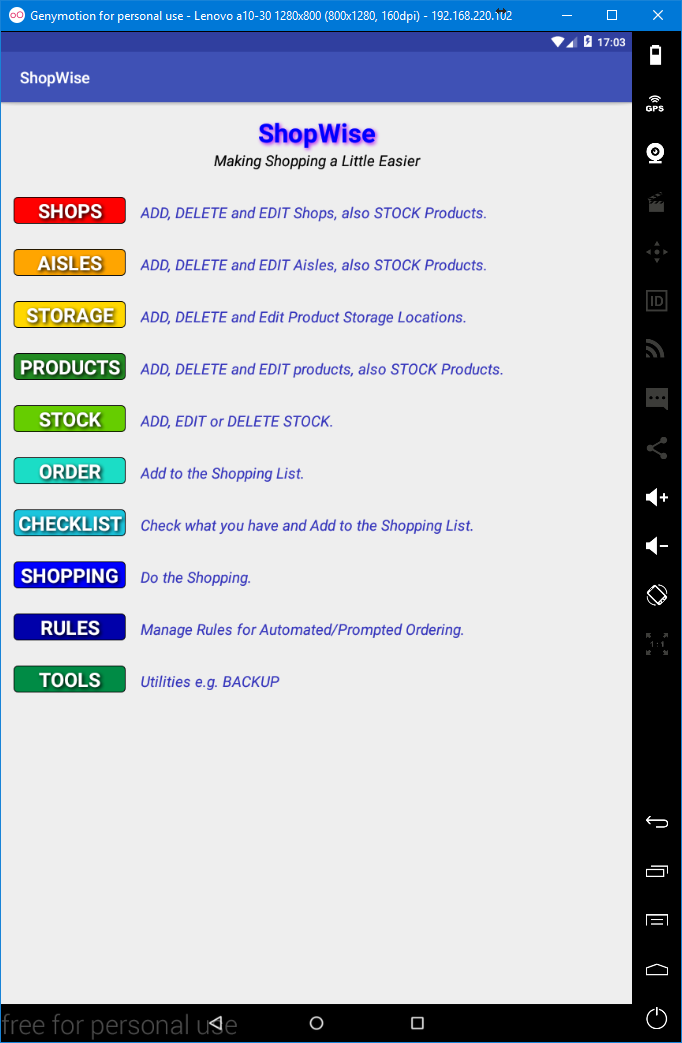
Buttons are colour coded, with the colour being used by underlying displays. e.g. the **Shops display**, shown when clicking **SHOPS** will be red. The **Shops Add display**, shown when clicking **ADD** from the **Shops display** will also follow a red theme. Likewise, clicking on **STORAGE** will result in the **Storage display** being displayed in a yellow theme and so on. Colour coding is designed to be a navigation aid.

The following two pages show the initial Main Display and the fully populated Main Display.

## The Initial Main Display when ShopWise is started for the first time.



## The Fully Populated Main Display.

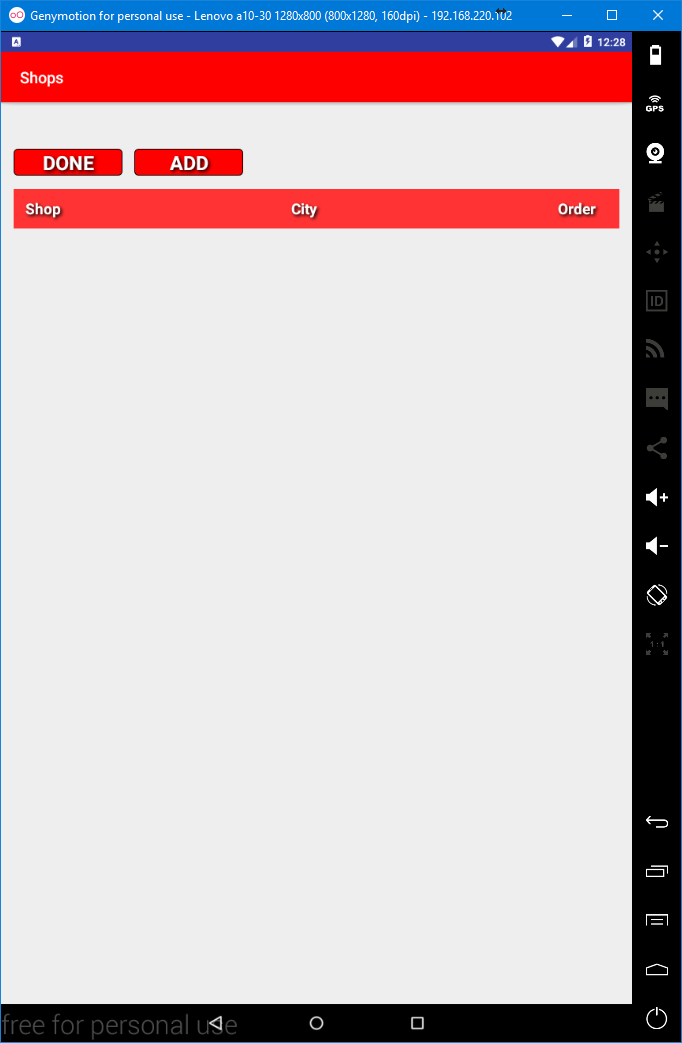


# SHOPS

## The Main Display (click the SHOPS button).



## The Shops Display (no Shops)



If any **Shops** exist they will be listed under the lowest red horizontal bar, the list heading (with **Shop** ... **City**... and **Order**).

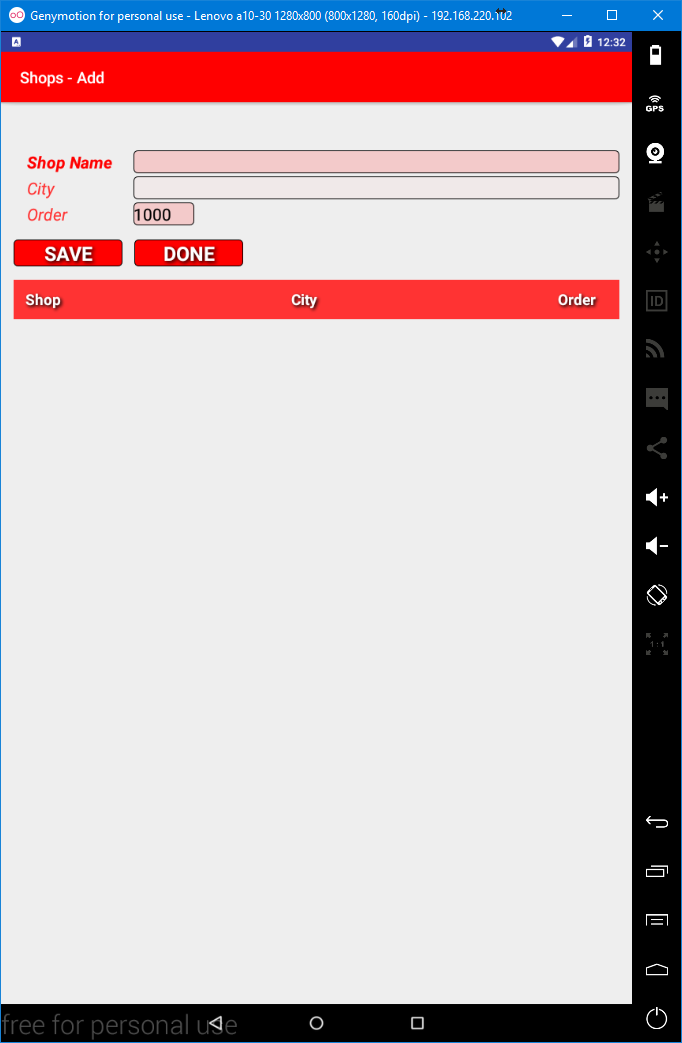
Clicking a heading will sort the list according to that heading toggling between ascended and descended order e.g. clicking **Order** will sort the list according to the **Order**. Clicking list headings is standard throughout **ShopWise** with a few exceptions. The exceptions being where a fixed order is required, such as for the **ShoppingList** and the **CheckList**.

Click **DONE** to return to the **Main Display**.

Click **ADD** to add a **Shop** or **Shops**.

# Adding Shops

## The Shops – Add Display (click ADD button from the Shops Display)



A **Shop** has 3 fields; a **Shop Name**, a **City** and an **Order**. **Shop Name** is required. Required fields have a darker background. **City** is optional. It can be used to differentiate between **Shops** with the same name e.g. chains. Optional fields have a lighter background.

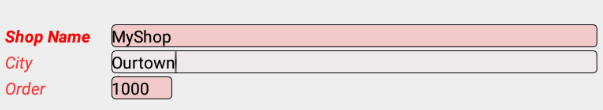
**Order** is required and is suggested (i.e. it is filled in, in this case with **1000**). It must be a number between **0** and **9999**. It determines the order in which Shops appear in the Shopping List. Lower numbers appear first.

Suggestion will automatically create a number higher than the highest existing **Shop Order**, normally **100** greater. Leaving gaps between **Order** numbers gives scope for manipulation. If you input the **Shops** in the order in which you shop at them, then suggestion can make adding multiple **Shops** simpler as you can use the suggested **Order**.

## Adding Shops

To add a **Shop** enter the respective data (**Shop Name**, **City** if wanted), change the **Order** if desired and the Click on the **SAVE** button, you can also add more **Shops**.

e.g. entering:-



then Clicking **SAVE** :-

Added OK



A message is displayed confirming the addition (unless an error was detected). The **Shop Name** and **City** fields are cleared, the **Order** is updated and the **Shop** now appears in the **Shop List**.

Green messages are used to indicate successful events/actions. Yellow messages indicate that an issue has arisen. E.g. If you were to click on the **SAVE** button but without providing a Shop Name then :-

Not Added



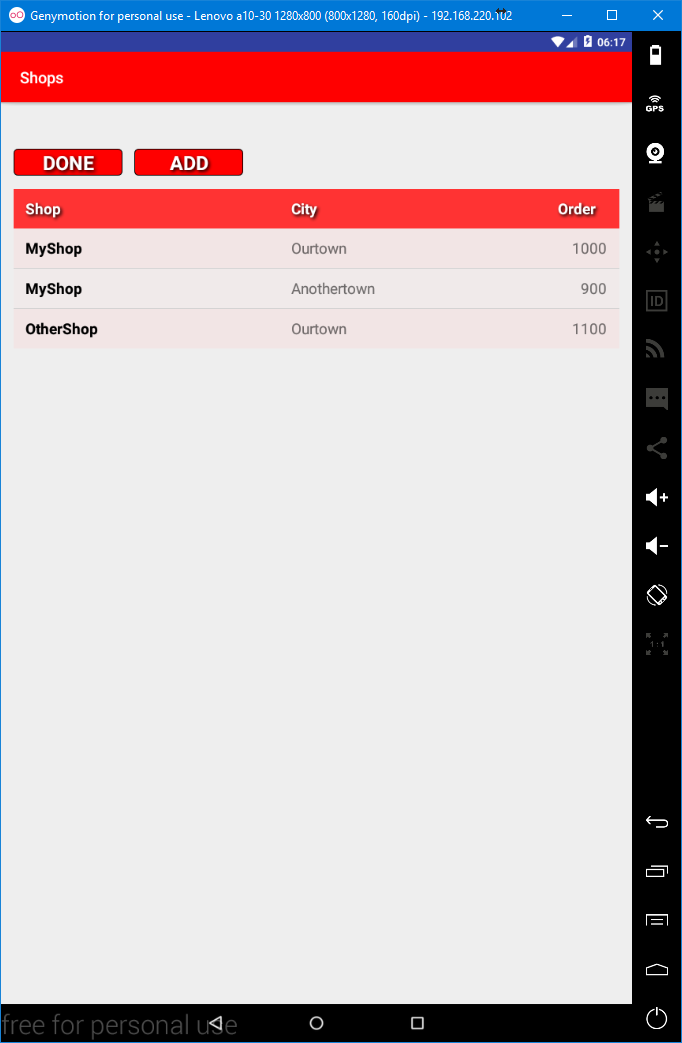
Sort by clicking a heading.

Note that a few other **Shops** have been added (clicking the list headings will sort the list, a message indicates what was sorted along with ascending or descending).

Clicking **DONE** will return to the **Shops Display**, any added **Shops** will be listed.

# Editing Shops

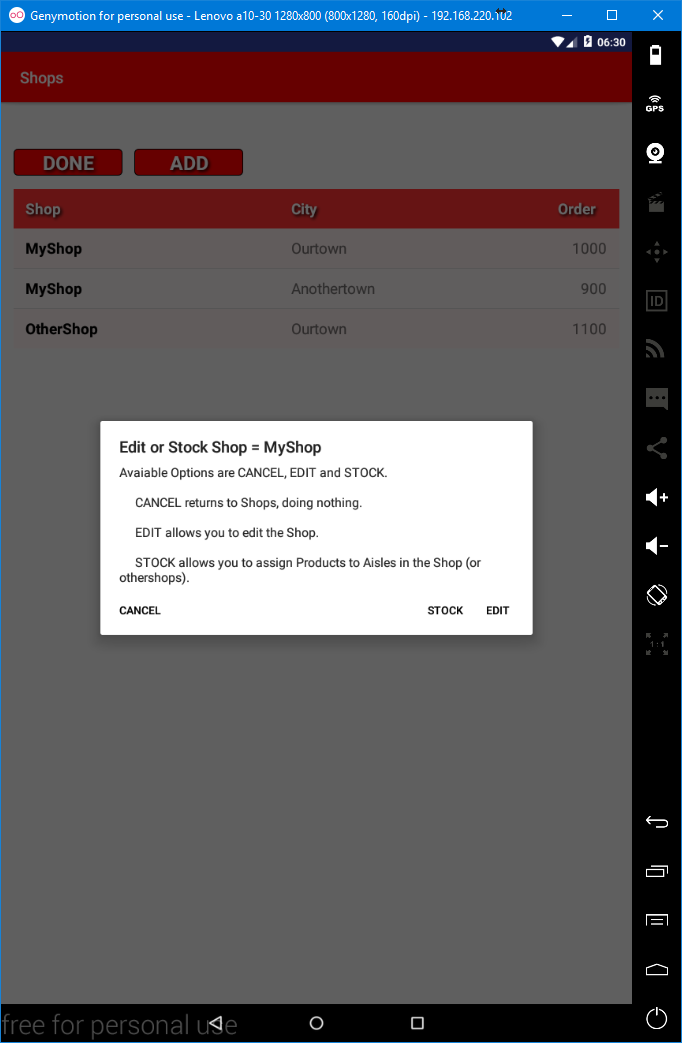
Editing **Shops** is accomplished from the **Shops display** which lists the **Shops**. The **Shops display** is reached by clicking on the **SHOPS** button from the **Main display**. You can reach the **Main display** by clicking the **DONE** button until it is displayed (generally either once or twice).



Sort by clicking a heading.

To Edit a **Shop** you click on the respective **Shop** in the list of **Shops**. This will result in a dialog appearing. This dialog allows you to select either **CANCEL** or **EDIT** or if at least one **Aisle** and at least one **Product** exists to **STOCK** via the **Shop**.

## The Edit or Stock Shop dialog



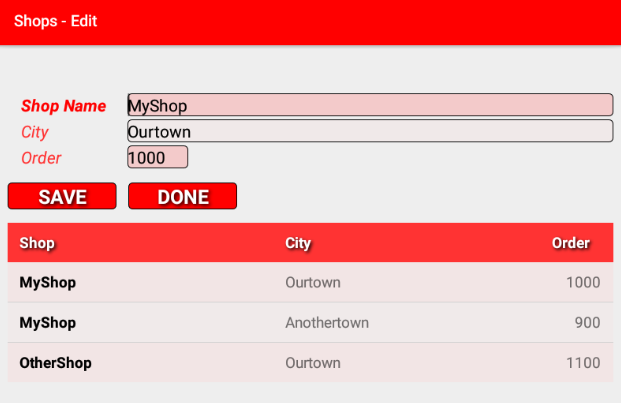
**STOCK** will be dealt with later (*note* ***STOCK*** *will only appear if at least one* ***Aisle*** *and at least one* ***Product*** *exist*).

**CANCEL** will return to the **Shops display**, doing nothing.

**EDIT** takes you to the **Shops - Edit display**.

Clicking outside of the dialog, in the greyed out area is the same as clicking the **CANCEL** button.

## The Shops – Edit Display



This display is identical to the **Shops – Add display** other than the data has been supplied.

The **Shop Name**, **City** and **Order** can be changed as required.

Changes will only be applied when **SAVE** is clicked.

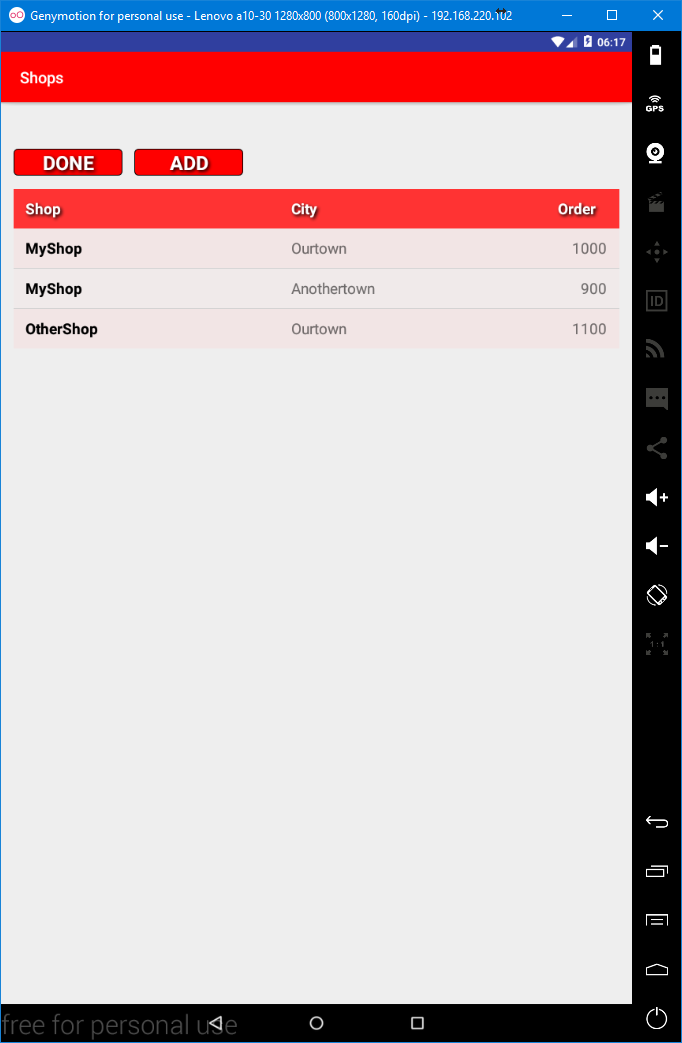
Clicking on a **Shop** in the list does nothing.

Clicking a **Heading** will sort the list according to the header and toggle between ascending and descending order. Initially clicking a heading will, unless already sorted by the field, sort in ascending order. A message is displayed indicating the sort field and sort direction.

Clicking **DONE** will return to the **Shops display**.

# Deleting Shops (caution)

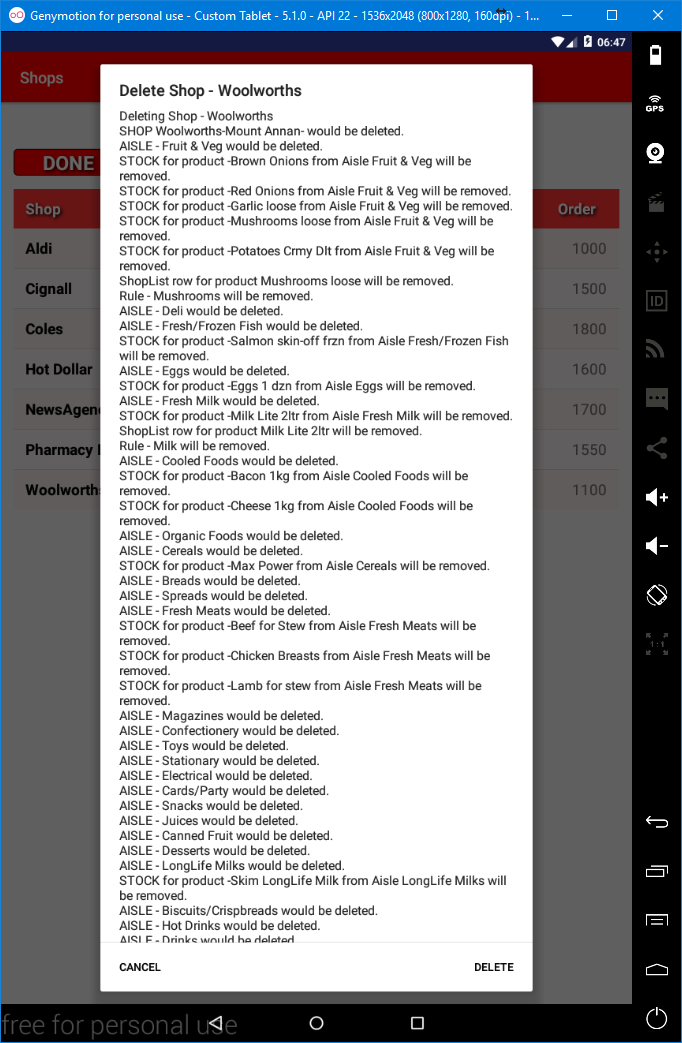
Deleting **Shops** is accomplished from the **Shops display** which lists the **Shops**. The **Shops display** is reached by clicking on the **SHOPS** button from the **Main display**. You can reach the **Main display** by clicking the **DONE** button until it is displayed (generally either once or twice).



Sort by clicking a heading.

To Delete a **Shop** you long-click on the respective **Shop** in the list of **Shops**. This will result in a dialog appearing. This dialog allows you to select either **CANCEL** or **DELETE**.

## The Delete Shop Dialog (caution)



Click to CANCEL.

Click to DELETE the Shop.

The dialog provides the **impact** that **deleting** a **Shop** will have. In the case above the **impact** is quite substantial (*the list of impacts above is larger than the display and is thus scrollable*).

**Deleting** a **Shop** will **delete all** **Aisles** owned by that **Shop**, it will also therefore **delete all Stock** (not the Products) used by the **Aisles**. Deletion of any **Stock** will require deletion of any **Shopping List entries** and any **Rules** that use the **Stocked Items**.

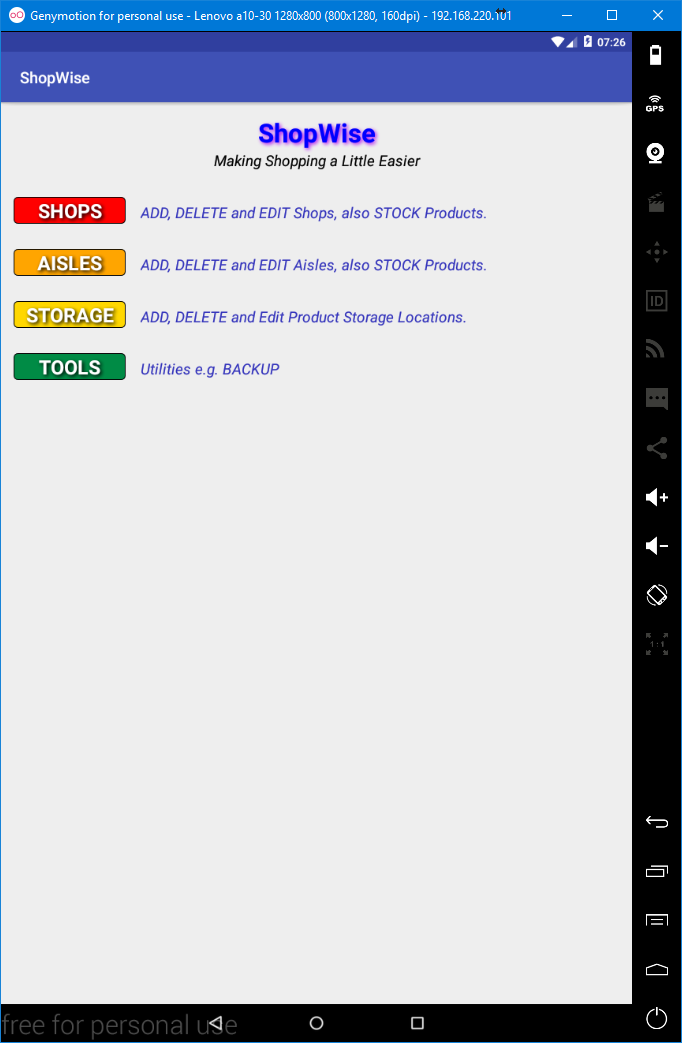
**In short, deleting a Shop can have an extensive impact.**

Clicking **DELETE** will delete the Shop (it is suggested that you backup the data before deleting a Shop, see TOOLS – BACKUP)

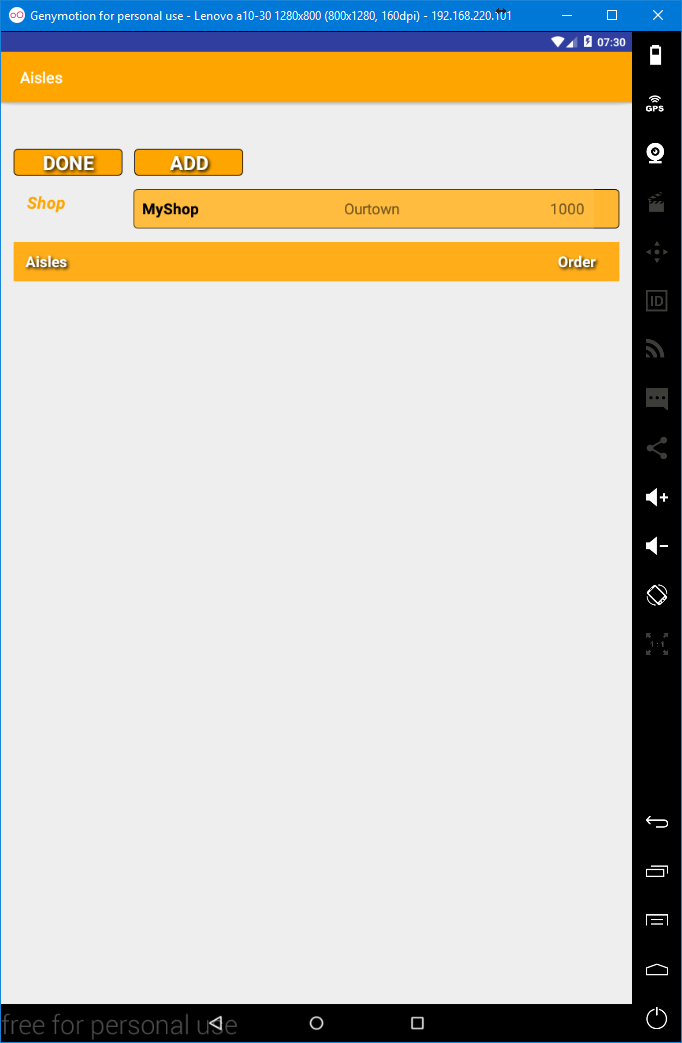
Clicking **CANCEL** will return to the **Shops** display doing nothing.

# AISLES

## The Main Display (if at least one Shop exists) (click the AISLES button)

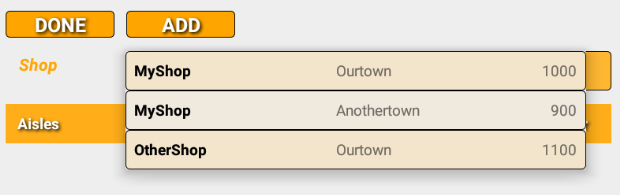


## The AISLES display



This display will display the **Aisles** that exist for the selected **Shop**, if any.

You can change the **Shop** by clicking on the **Shop** **Dropdown selector** (spinner) and then clicking on the required **Shop** from the **DropDown** list. Clicking outside of the list results in the selected **Shop** not changing and the **DropDown** list closing.



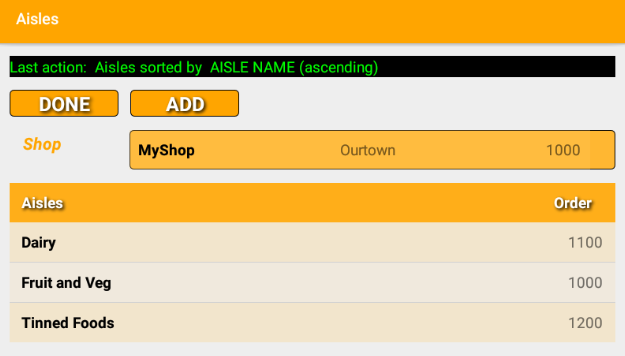
The list of **Aisles** can be sorted by clicking on the list headings (**Aisle** or **Order**).

Clicking on the same heading toggles the sort between ascending and descending.

A message indicates the sort order, what the list has been sorted on and whether the sort is an ascending or descending order.

e.g. :

Sort order message

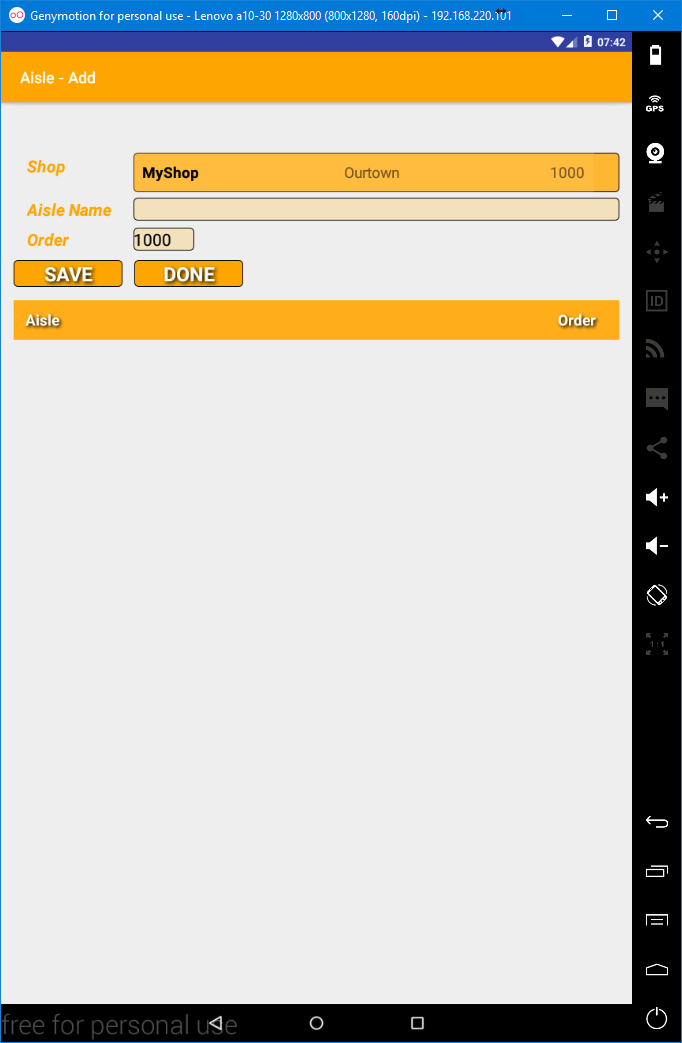
**

Click **DONE** to return to the **Main display**.

Click **ADD** to go to the **Aisles- Add display** to add an **Aisle** or **Aisles**. The selected **Shop** will be set as the selected **Shop** in the **Aisles – Add display**. The **Shop** can be changed in the **Aisles – Add display**.

# Adding Aisles

## The Aisles – Add display (click the Add button from the Aisles display)



**Aisles** have three fields, **Shop** (*the* ***Shop*** *that owns the* ***Aisle***), **Aisle Name** and **Order**.

**Shop** is required and **MUST** be an existing **Shop**. The **Shop** cannot be typed, it must be selected from the **Shop DropDown selector** (spinner). You cannot not provide a **Shop**.

**Aisle Name** is required (*i.e. it cannot be blank*).

**Order** is required. It is suggested as normally being 100 higher than the highest **Aisle Order** for the **Shop.** If no **Aisles** exist for the selected **Shop** then it will be **1000**.

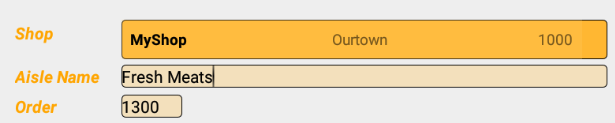
A list of **Aisles** that exist in the selected **Shop**, if any, is displayed. The list can be sorted by clicking on a heading. Clicking an **Aisle** in the list does nothing.

Clicking on a heading will sort the list of **Aisles**.

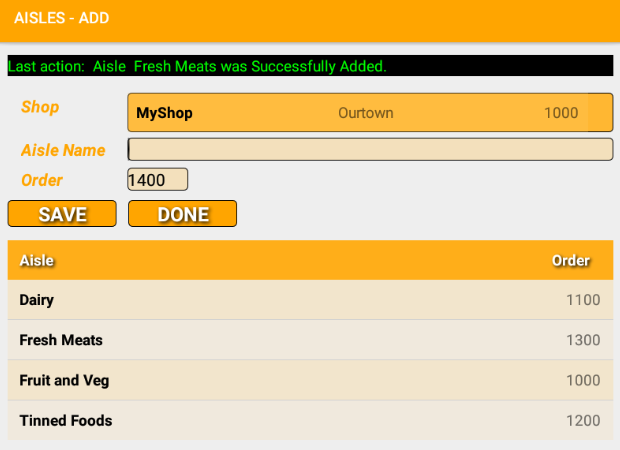
# Adding Aisles

To add an Aisle enter the respective data (**Shop** (selected from the **Shop DopDown selector**) and **Aisle Name**), change the **Order** if desired and the click on the **SAVE** button, you can add more **Aisles** by repeating the process.

e.g. :-



Then clicking SAVE :-



The added **Aisle** will appear in the list of **Aisles**.

You can more **Aisles** to the same Shop or to other **Shops** by selecting the respective **Shop** from the **Shop DropDown selector**.

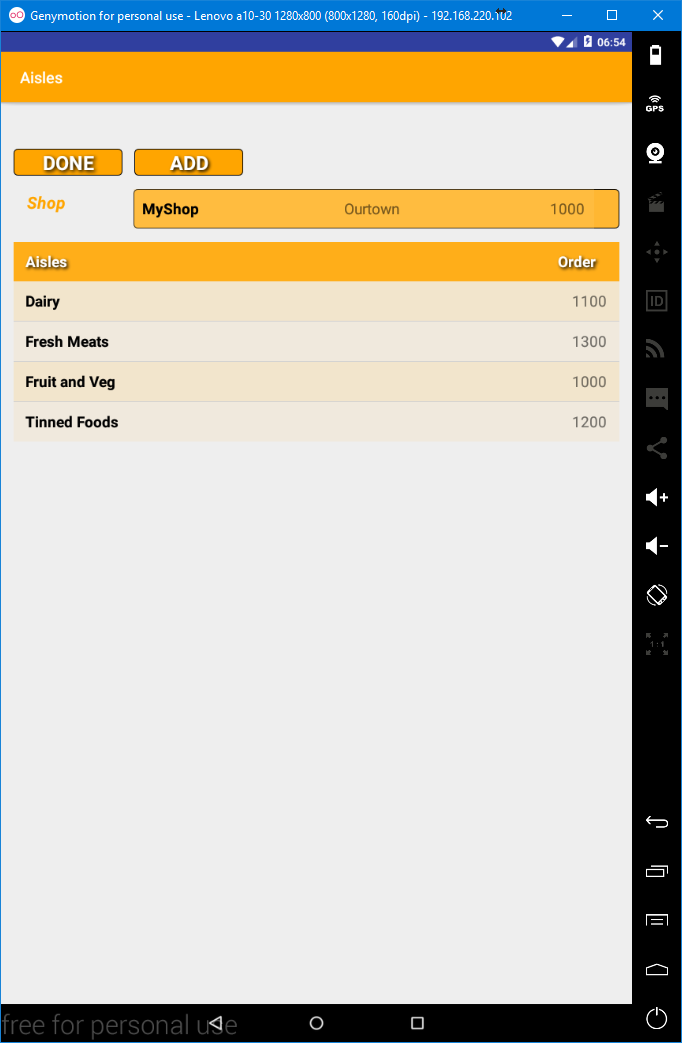
If the **Aisle** could not be added (e.g. the **Aisle Name** was blank) then the message will be yellow and indicate the issue.

**Aisles** can have the same **Order** within the same **Shop** (not recommended). **Aisle** order is only relevant within a **Shop**, so **Aisles** from different **Shops** having the same **Order** is not an issue at all (*in fact* ***Order*** *suggestion will use* ***1000*** *as the first* ***Order*** *per* ***Shop*** *and then* ***1100*** *and so on*).

# Editing Aisles

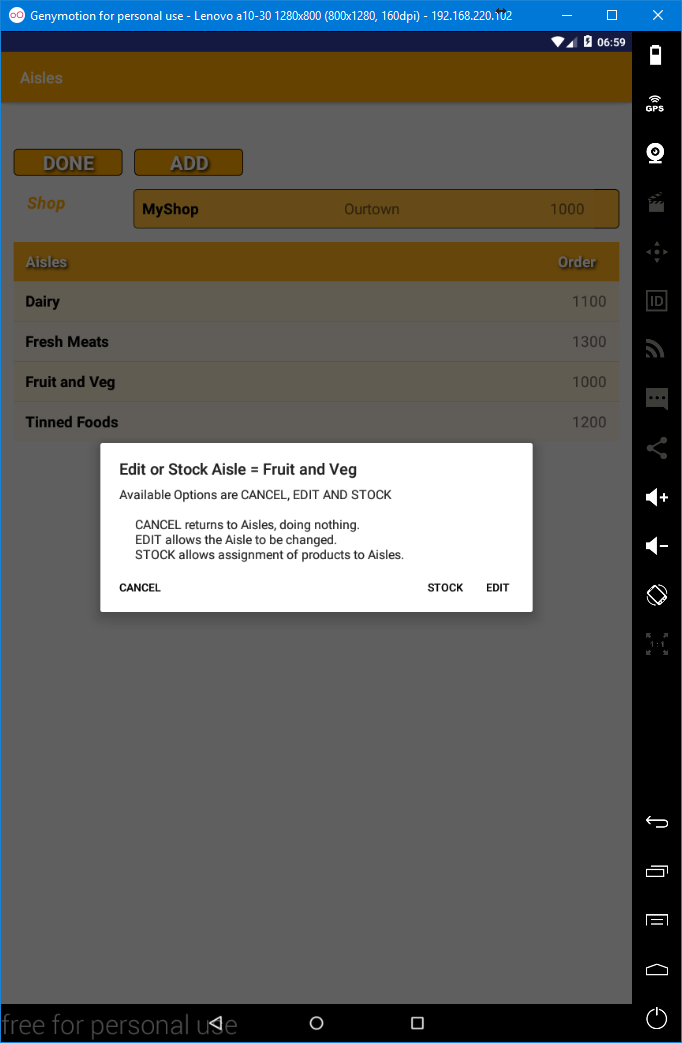
Editing **Aisles** is accomplished from the **Aisles display** which lists the **Aisles** for a **Shop**. The **Aisles display** is reached by clicking on the **AISLES** button from the **Main display**. You can reach the **Main display** by clicking the **DONE** button until the **Main display** is shown (generally either once or twice).

The **Aisles** listed are those owned by the currently selected **Shop** as shown to the right of the **Shop** label. You should select the respective **Shop** from the **Shop DropDown selector**.



To edit an **Aisle** you click the respective **Aisle** from the list of **Aisles**. This will result in a dialog being presented. This dialog allows you to select either **CANCEL** or **EDIT** or if at least one **Aisle** and at least one **Product** exists to **STOCK** via the **Aisle**.

## The Edit or Stock Aisle Dialog.



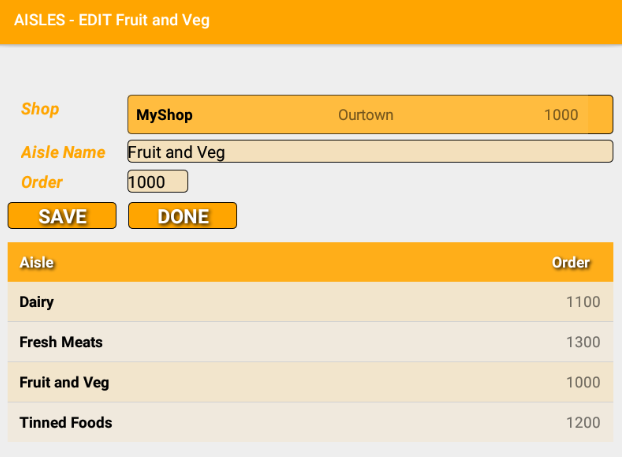
**STOCK** will be dealt with later.

**CANCEL** will return to the **Aisles display**, doing nothing.

**EDIT** takes you to the **Aisles - Edit display**.

Clicking outside of the dialog, in the greyed out area is the same as clicking the **CANCEL** button.

## The Edit Aisles Display.



This display is identical to the **Aisles – Add display** other than the data has been supplied.

The **Shop** selector is disabled so the **Shop** cannot be changed.

The **Aisle Name** and **Order** can be changed as required.

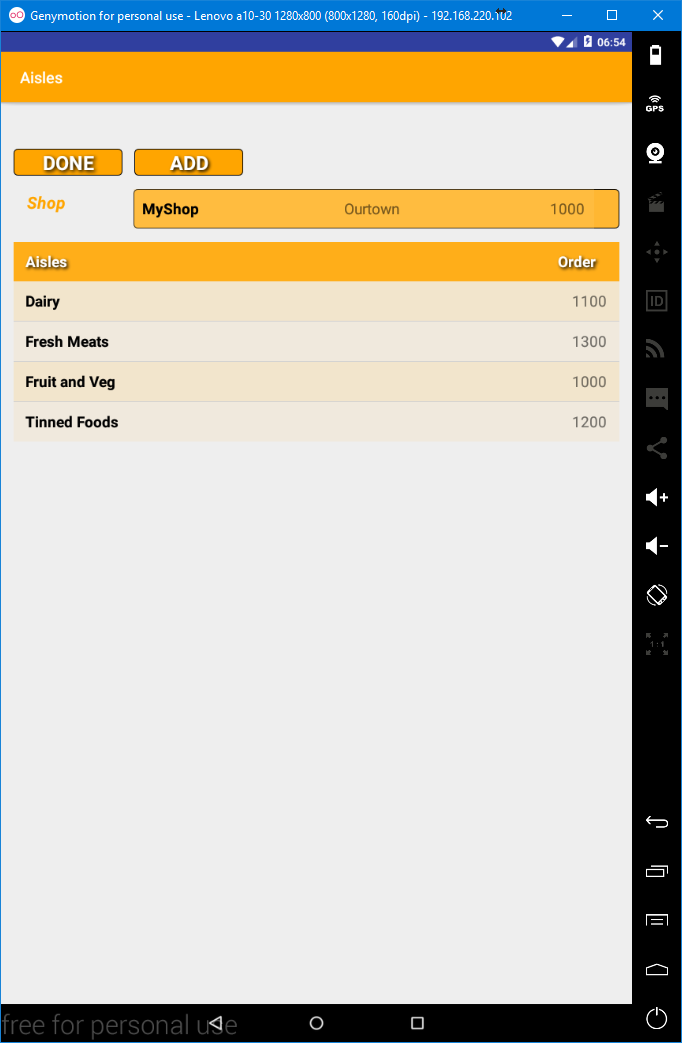
Changes will only be applied when **SAVE** is clicked.

Clicking on an **Aisle** in the list does nothing.

Clicking DONE will return to the **Aisles display**.

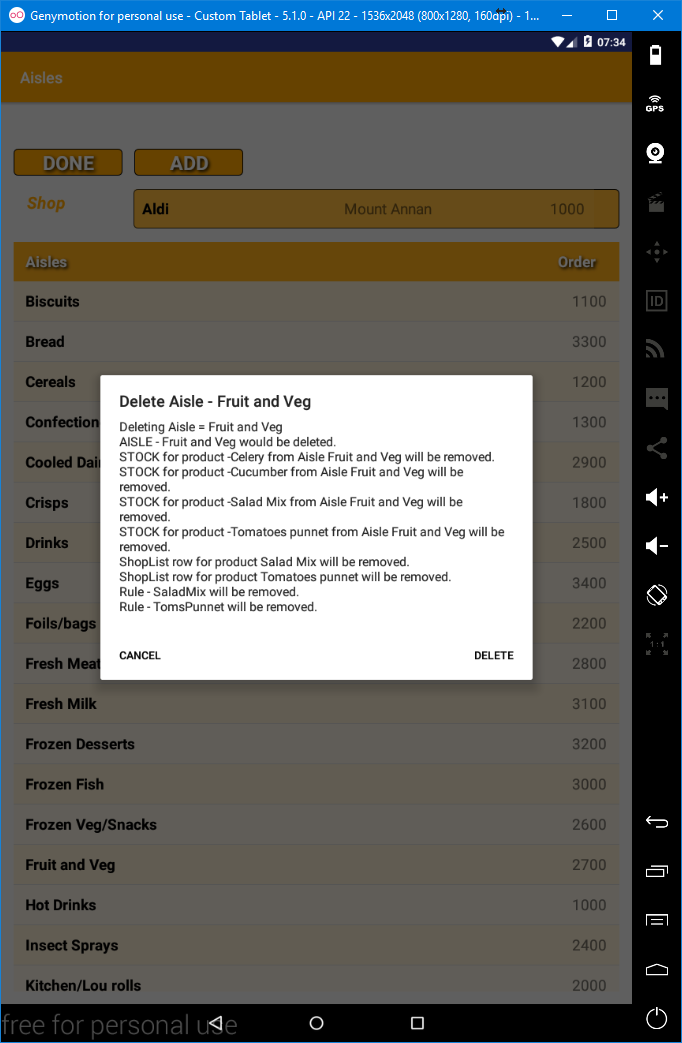
# Deleting Aisles (caution)

Deleting **Aisles** is accomplished from the **Aisles display** which lists the **Aisles**. The **Aisles display** is reached by clicking on the **AISLES** button from the **Main display**. You can reach the **Main display** by clicking the **DONE** button until it is displayed (generally either once or twice).



To **Delete** an **Aisle** you long-click on the respective **Aisle** in the list of **Aisles**. This will result in a dialog appearing. This dialog allows you to select either **CANCEL** or **DELETE**.

## The Aisle Delete Dialog



The dialog provides the **impact** that **deleting** the **Aisle** will have.

**Deleting** an **Aisle** will **delete all Stock** (not the Products) used by the **Aisle**. Deletion of any **Stock** will require deletion of any **Shopping List entries** and any **Rules** that use the **Stocked Items**.

Clicking **DELETE** will delete the Aisle.

Clicking **CANCEL** will return to the **Aisles** display doing nothing.

# STORAGE

## The Main Display (click the STORAGE button).

# 

## The Storage Display.

## 

**Storage locations** exist to compliment the **CheckList** by providing high level ordering of the **Checklist**. That is the **Checklist’s** primary sort is by **Storage location**. **Products** are assigned a **Storage** location e.g. *Butter may be assigned to the Storage location Fridge. When checking against the checklist all products with a Storage location of Fridge will be together.*

Existing **Storage** locations are listed, if any, below the list heading.

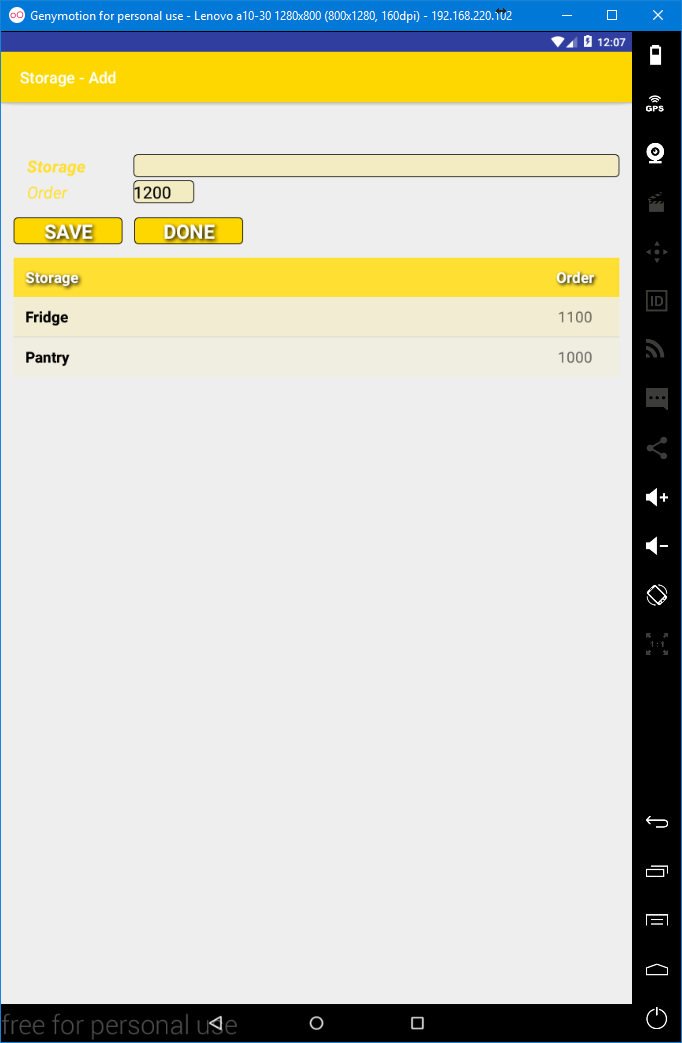
Clicking a list heading (**Storage** or **Order**) will sort the list according to the heading clicked. Clicking a heading, when already sorted according to the heading toggles the sort direction between ascending and descending.

Click **DONE** to return to the **Main display**.

Click **ADD** to add one or more **Storage locations**.

# Adding Storage

## The Storage – Add Display (click the ADD button from the Storage Display).



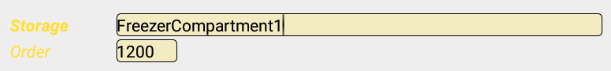
A **Storage** has 2 fields; **Storage** for the name and **Order** for the order in which the Storage location will appear in the **Checklist**. Lower **Orders** appearing first. Both fields are required. **Order** is suggested. Suggestion will be **1000** if no **Storage** locations exist and then normally **100** greater than the highest existing **Storage** **Order**.

Adding **Storage** locations in the order in which they are to be checked simplifies their addition as you don’t have to adjust the suggested **Order**.

## Adding Storage

To add a **Storage** enter the respective data (**Storage location name**) and change the **Order** if desired.

e.g.



Then click on the **SAVE** button. You can repeat this to add more Storage.



A message is displayed confirming the addition or alternately indication an issue. If an issue, such as the Storage field being blank, the message will be yellow instead of green for a successful addition.

The list will be updated with the new **Storage**.

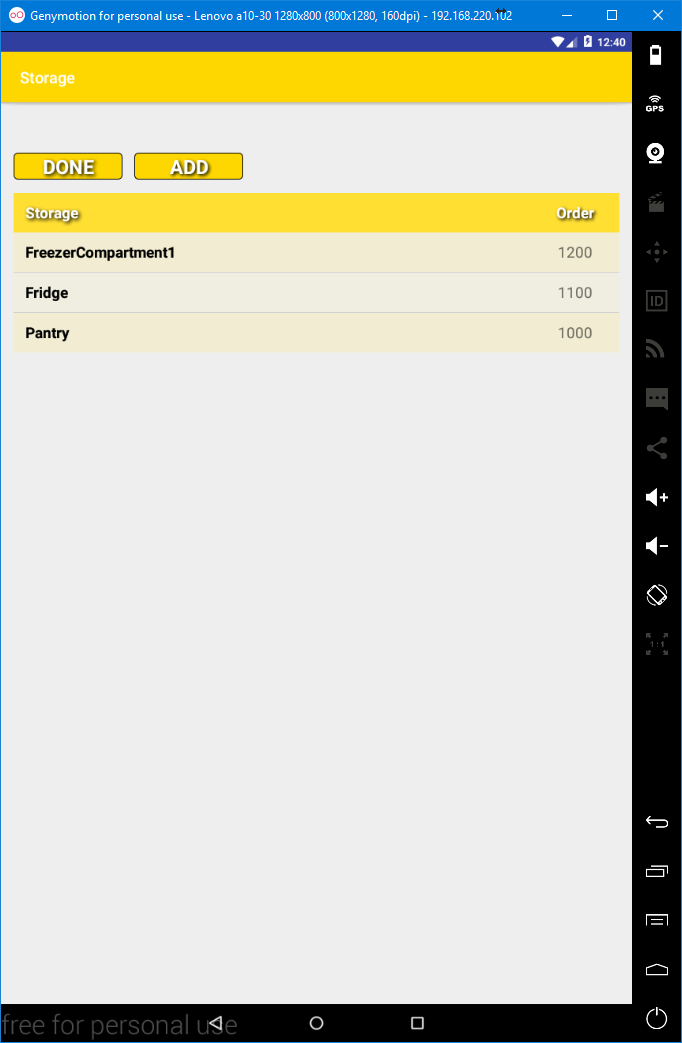
Sort the list by clicking on a heading (**Storage** or **Order**). Clicking on a heading when the list is sorted according to the heading clicked will toggle the sort direction between ascending and descending order.

**SAVE** must be clicked to save data.

Click **DONE** to return to the **Storage display**.

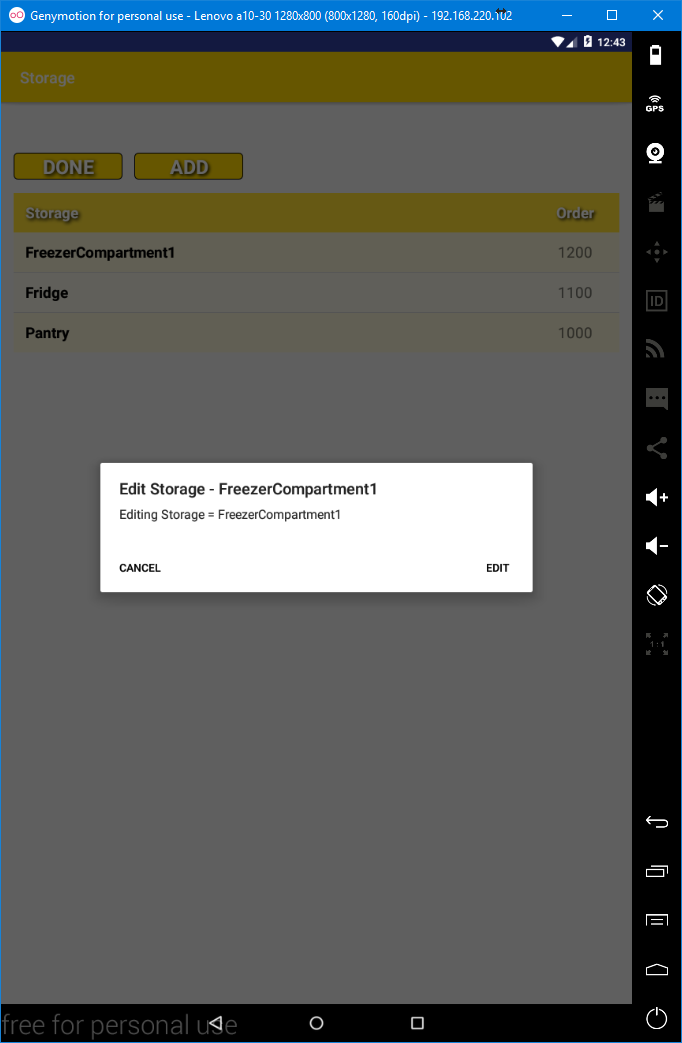
# Editing Storage

Editing **Storage** is accomplished from the **Storage display** which lists the current **Storage**. The **Storage display** is reached by clicking the **STORAGE** button from the **Main display**. The **Main display** can be reached by clicking on **DONE** until the **Main display** appears.



## To edit a Storage click on the respective Storage in the list. This will result in a dialog appearing. You can select either CANCEL or EDIT from the dialog.

## The Edit Storage Dialog

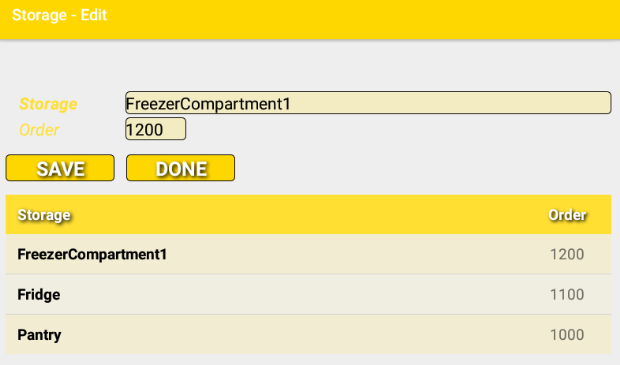


**CANCEL** will return to the **Storage display**, doing nothing.

**EDIT** takes you to the **Storage – Edit display**.

Clicking outside of the dialog (they grey area) is the same as clicking **CANCEL**.

## The Storage – Edit Display.



The **Storage – Edit display** is the same as the **Storage – Add display** except that the title is different and that the fields contain the data from the respective **Storage**.

The **Storage location name** and the **Order** can be changed.

Changes will only be applied if the **SAVE** button is clicked.

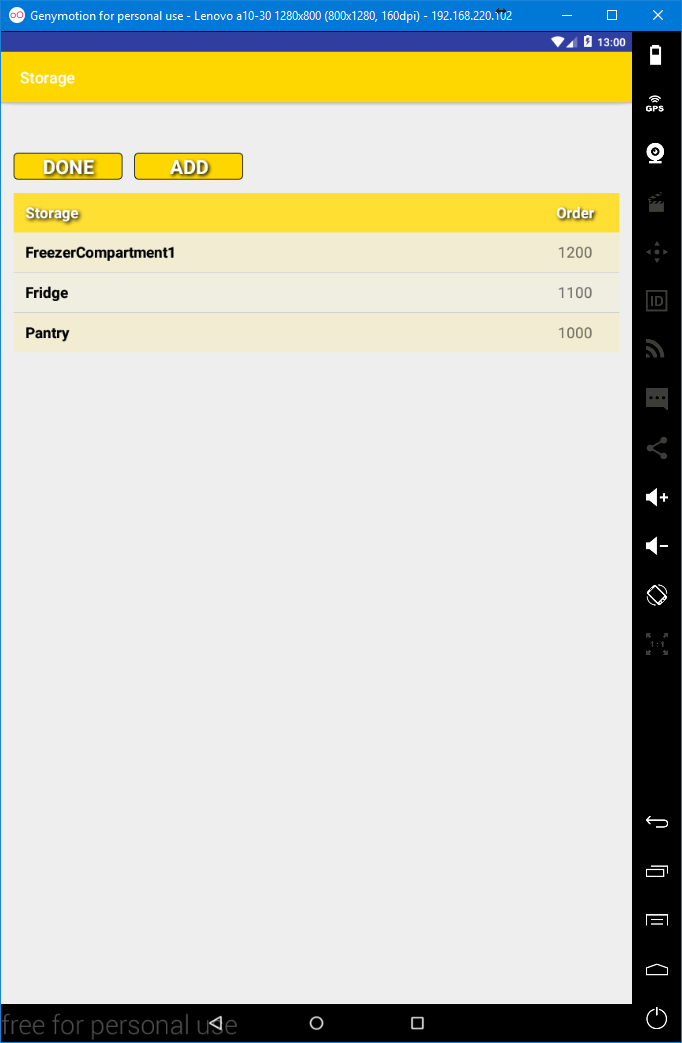
Clicking on a heading will sort the list of **Storage** according to the heading clicked. If the list is already sorted according to the heading clicked the sort direction will toggle between ascending and descending.

Clicking or Long-clicking on a **Storage** location in the list does nothing.

Clicking **DONE** will return to the **Storage display**.

# Deleting Storage

Deleting **Storage** is accomplished by clicking on a **Storage location** from list that in the **Storage Display**. The **Storage Display** can be reached by clicking on the **STORAGE** button from the **Main display**. The **Main display** can be reached by clicking **DONE** until the **Main display** appears.



To Delete a **Storage** location long-click on the respective **Storage** location from the list. If the Storage has any products assigned then a yellow message will appear indicating that the Storage cannot be deleted because it is not empty. Otherwise a dialog will appear allowing CANCEL or DELETE to be clicked.

Clicking **DELETE** will delete the **Storage** and the **Storage display** will be shown with an updated list.

Clicking **CANCEL** will return to the **Storage display**, doing nothing.

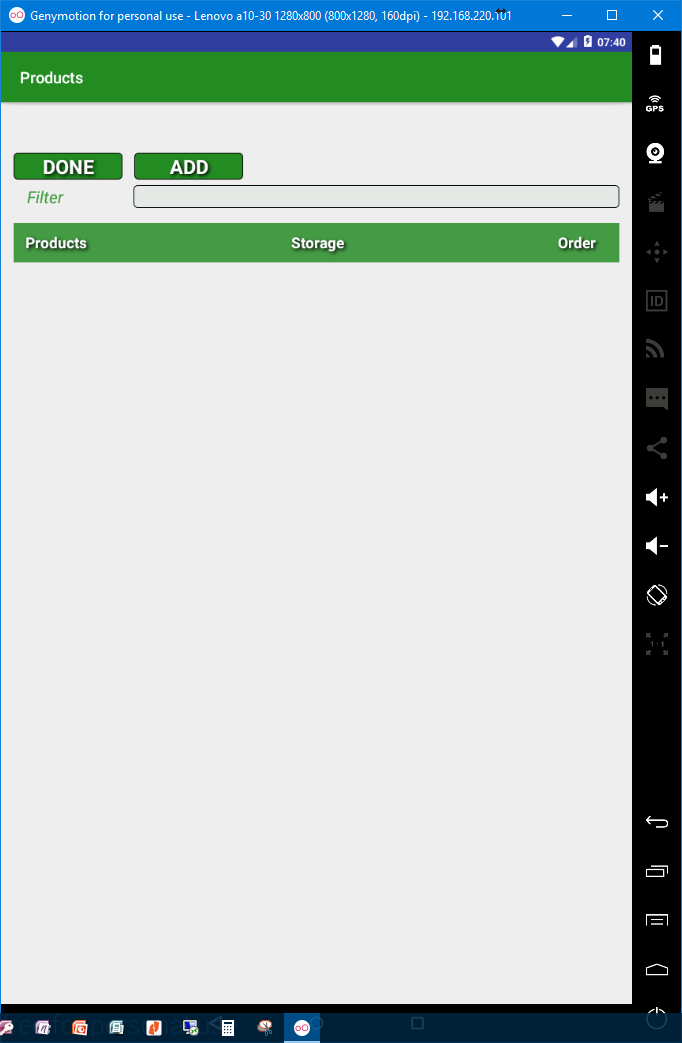
The reason why **Storage** deletion does not allow deletion of **Storage** that has **Products** assigned, is that the deletion of **Products** could have far-reaching implications. Deleting a used **Storage** location would require that the **Products** in that **Storage** location are either moved to another Storage location or that they are deleted in order to maintain the integrity of the database. Moving **Products** to another location could be timely or inflexible. Mass deletion of **Products**, would required deletion of **Stock**, **Shopping Lists entries** and **Rules**.

As such if a **Storage** location, that has Products assigned to it, then those **Products** must be either be moved to another **Storage** location or deleted via the **Products Display** (see **PRODUCTS** below).

# PRODUCTS

## 

## Products Display



**Products** are the items that may be purchased but at this stage they are not assigned to an **Aisle** (and thus to a **Shop**), rather a **Product** is a more independent or generic representation. Whilst **Stock** is the term used for a **Product** assigned to an **Aisle** and thus **Shop**. A single **Product** can be the basis for multiple **Stock** items.

The existing **Products** are listed, if any. As **Products** will likely be the most prolific item the **Products** **display** includes a filter that allows progressive reduction of the Products listed.

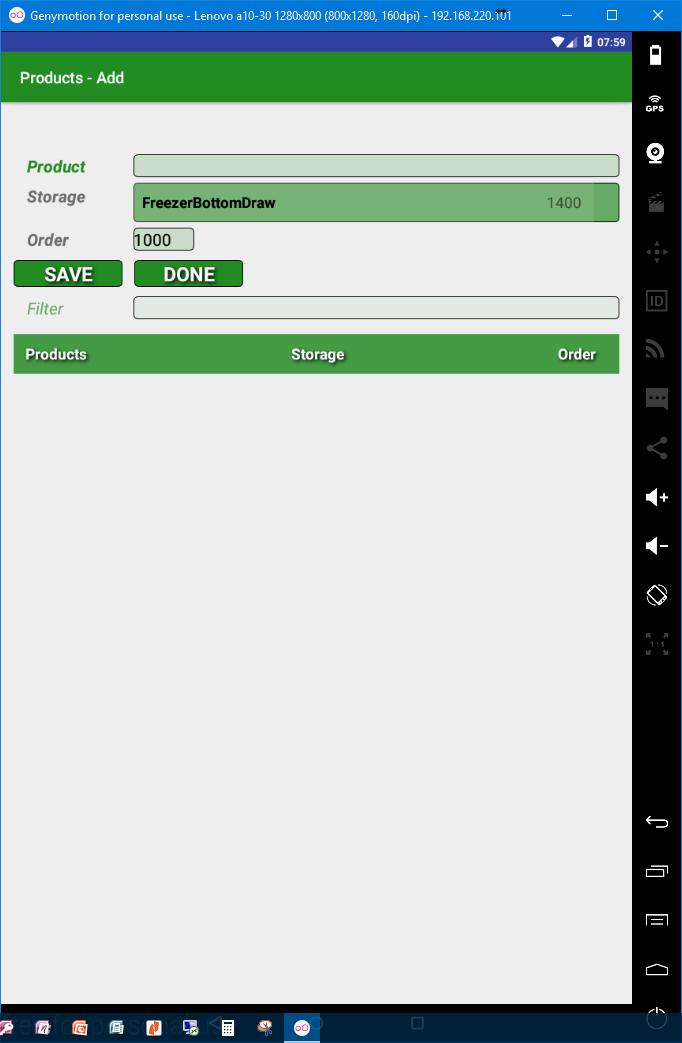
Clicking a list heading (**Products**, **Storage** or **Order**) will sort the list according to the heading clicked. Clicking a heading, when already sorted according to the heading toggles the sort direction between ascending and descending.

Click **DONE** to return to the **Main display**.

Click **ADD** to add one or more **Storage locations**.

# Adding Products

## The Storage – Add Display (click the ADD button from the Storage Display).



A **Product** has 3 fields; **Product** for the name, **Storage** for the location where the **Product** is stored and **Order** for the order in which the **Product** will appear in the **Checklist**. Lower **Orders** appearing first. All fields are required. **Storage** must be selected from the **DropDown selector**. **Order** is suggested and will be **1000** if no other **Products** exist in the **Storage** location or normally **100** greater than the highest **Order** used for the **Storage** location.

**Products** are listed, if any. **Filter** allows the listed **Products** to be reduced (as there is potential for many **Products**) by typing into the Filter. What is typed is looked for anywhere in **Product** names. The filter is insensitive to case so A is effectively the same as a and vice-versa.

Additionally the **Product** name field also acts as a filter for the list. Thus as you enter a **Product** name to be added, the list will progressively reduce allowing duplicated **Products** to be spotted.

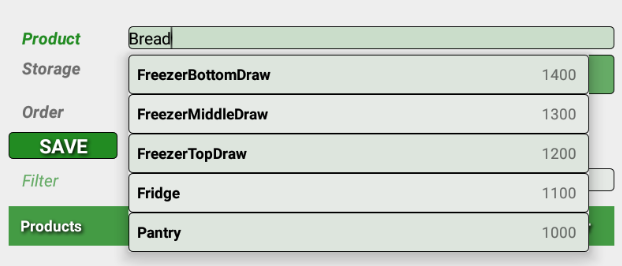
Each filter will override the other. That is, if you typed X in the **Product** name field the list would only display **Products** that have an X (or x) in the **Product** name. If you then typed Q in the filter then the list would only display **Products** that had a Q (or q) in the **Product** name.

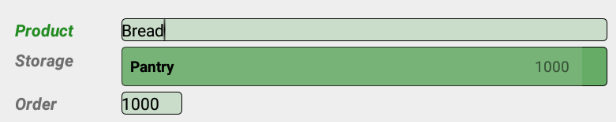
## Adding Products

To add a **Product** enter the respective data (**Product name**), select the respective **Storage** location from the **DropDown selector** and change the **Order** if desired.

e.g.

 Type Bread in the product Name

 Select Pantry from the DropDown.

 Leave Order as 1000.

Then click on the **SAVE** button. You can repeat this to add more **Products**.



A message is displayed confirming the addition or alternately indicating an issue. If an issue, such as the **Product** field being blank, the message will be yellow instead of green for a successful addition.

The list will be updated with the new **Product**.

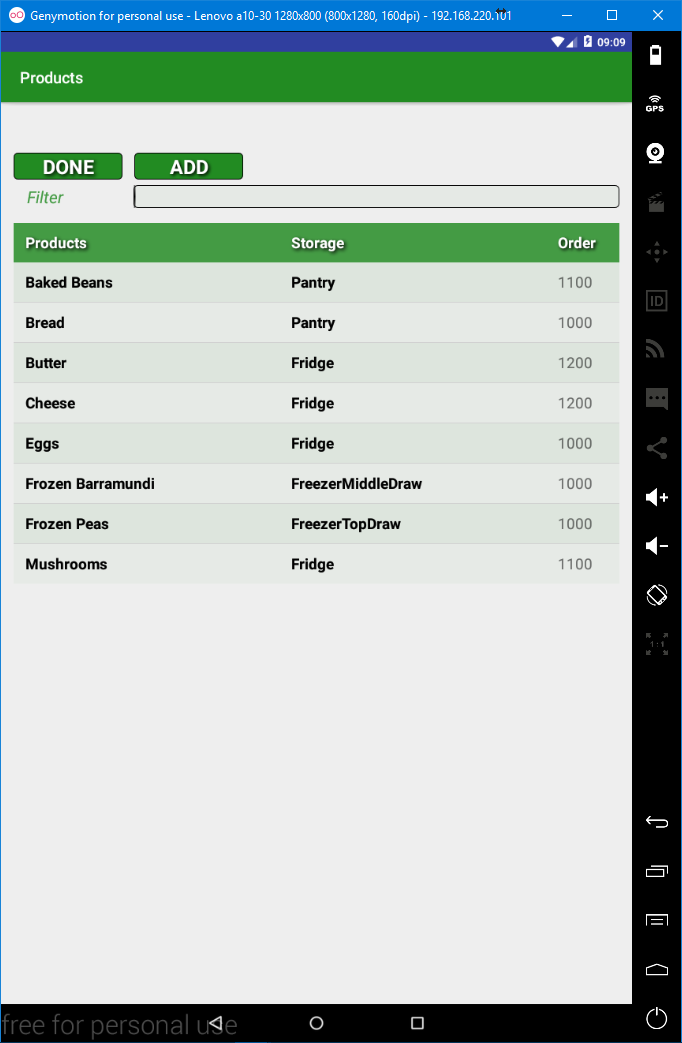
Sort the list by clicking on a heading (**Products, Storage** or **Order**). Clicking on a heading when the list is sorted according to the heading clicked will toggle the sort direction between ascending and descending order.

**SAVE** must be clicked to save data.

Click **DONE** to return to the **Products display**.

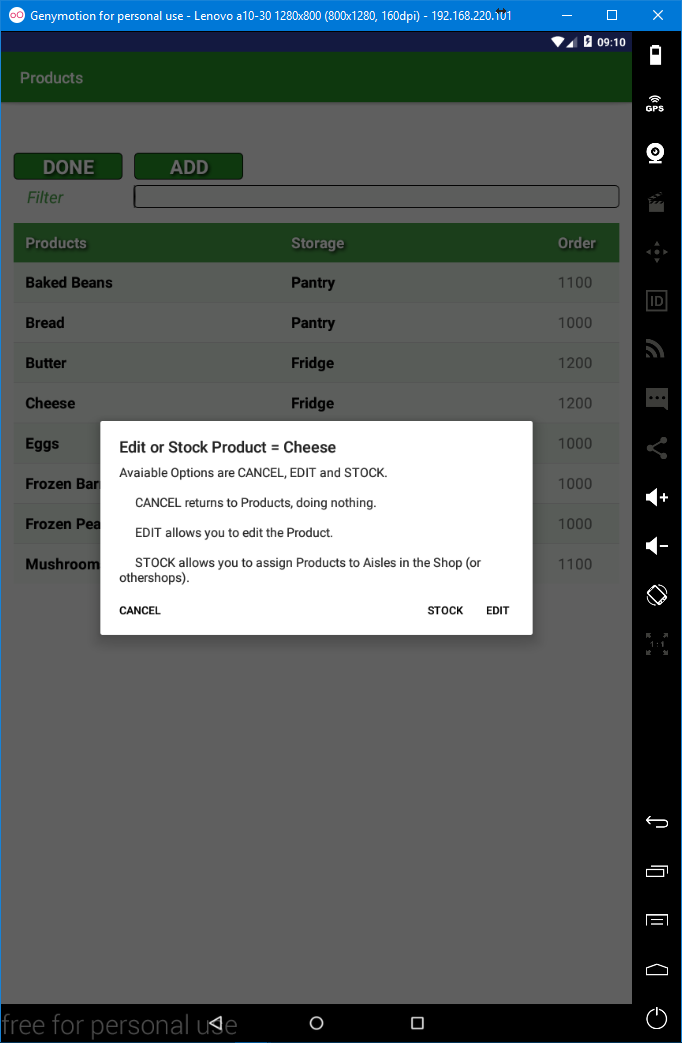
# Editing Products

Editing **Products** is accomplished from the **Products display** which lists the current **Products**. The **Products display** is reached by clicking the **PRODUCTS** button from the **Main display**. The **Main display** can be reached by clicking on **DONE** until the **Main display** appears.



## To edit a Product click on the respective Product in the list. This will result in a dialog appearing. You can select either CANCEL or EDIT or STOCK (if at least one Aisle and one Product exist) from the dialog.

## The Edit Products Dialog



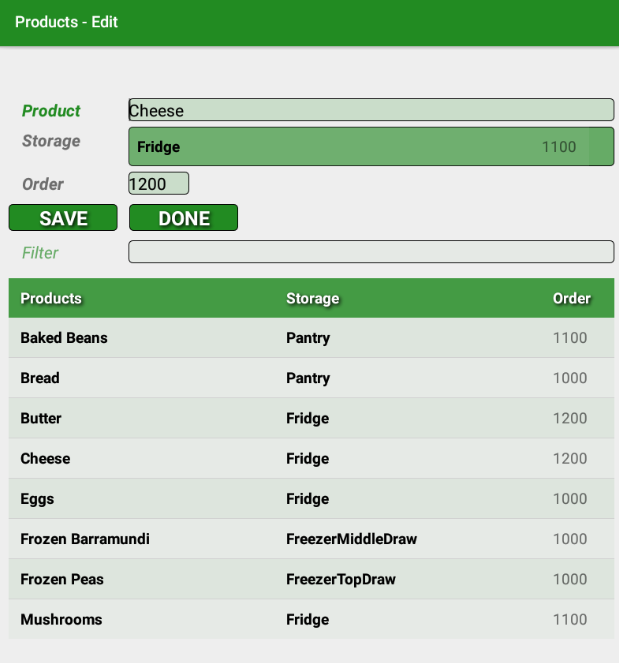
**CANCEL** will return to the **Storage display**, doing nothing.

**EDIT** takes you to the **Storage – Edit display**.

**STOCK** is covered subsequently.

Clicking outside of the dialog (they grey area) is the same as clicking **CANCEL**.

## The Products – Edit Display.



The **Products – Edit display** is the same as the **Products – Add display** except that the title is different and that the fields contain the data from the respective **Storage**.

The **Product name**, **Storage location name** and the **Order** can be changed.

Changes will only be applied if the **SAVE** button is clicked.

Clicking on a heading will sort the list of **Storage** according to the heading clicked. If the list is already sorted according to the heading clicked the sort direction will toggle between ascending and descending.

**Products** are listed, if any. **Filter** allows the listed **Products** to be reduced (as there is potential for many **Products**) by typing into the Filter. What is typed is looked for anywhere in **Product** names. The filter is insensitive to case so A is effectively the same as a, and vice-versa.

Additionally the **Product** name field also acts as a filter for the list. Thus as you enter a **Product** name to be added, the list will progressively reduce allowing duplicated **Products** to be spotted.

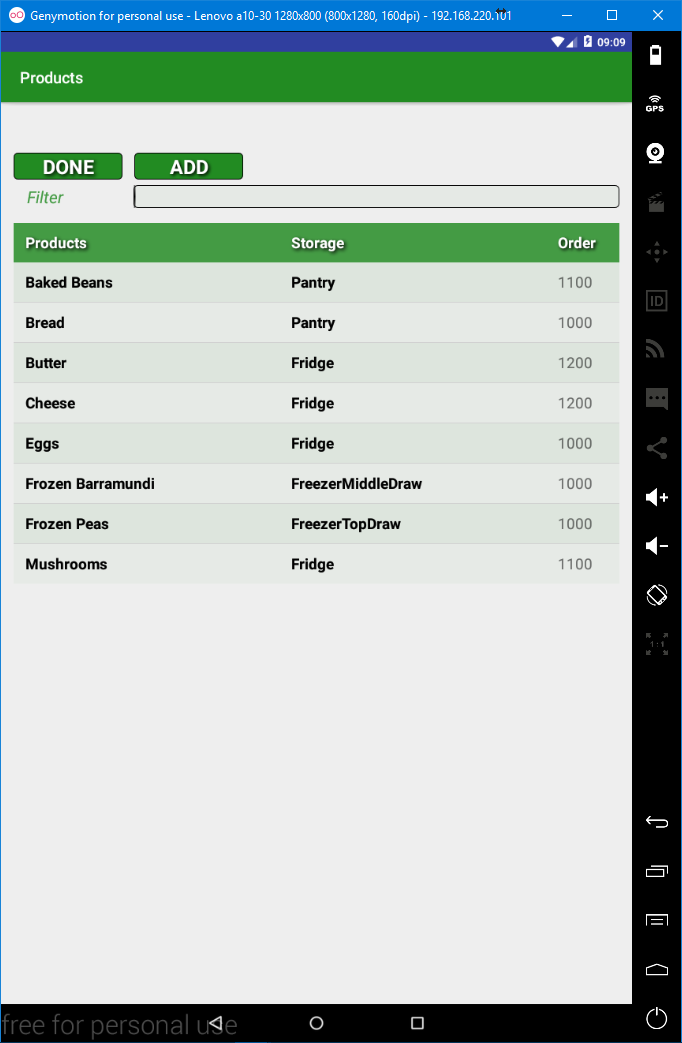
Each filter will override the other. That is, if you typed X in the **Product** name field the list would only display **Products** that have an X (or x) in the **Product** name. If you then typed Q in the filter then the list would only display **Products** that had a Q (or q) in the **Product** name.

Clicking or Long-clicking on a **Storage** location in the list does nothing.

Clicking **DONE** will return to the **Storage display**.

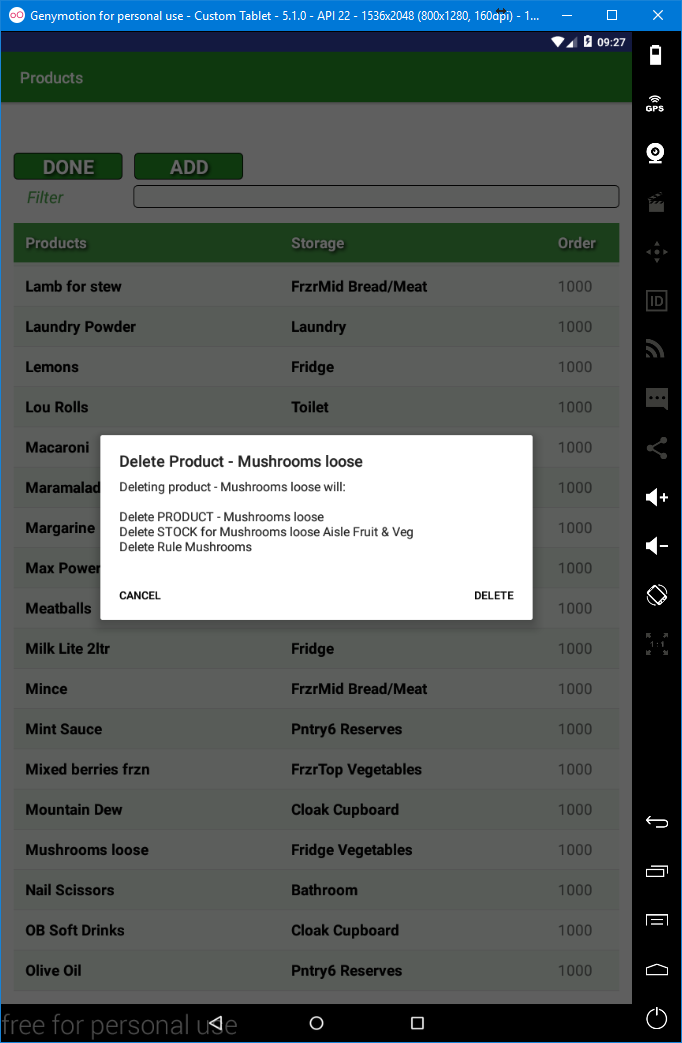
# Deleting Products

Deleting **Products** is accomplished by clicking on a **Product** from the list in the **Products Display**. The **Products Display** can be reached by clicking on the **PRODUCTS** button from the **Main display**. The **Main display** can be reached by clicking **DONE** until the **Main display** appears.



To **Delete** a **Product** you long-click on the respective **Product** in the list of **Products**. This will result in a dialog appearing. This dialog allows you to select either **CANCEL** or **DELETE**.

## The Product Delete Dialog



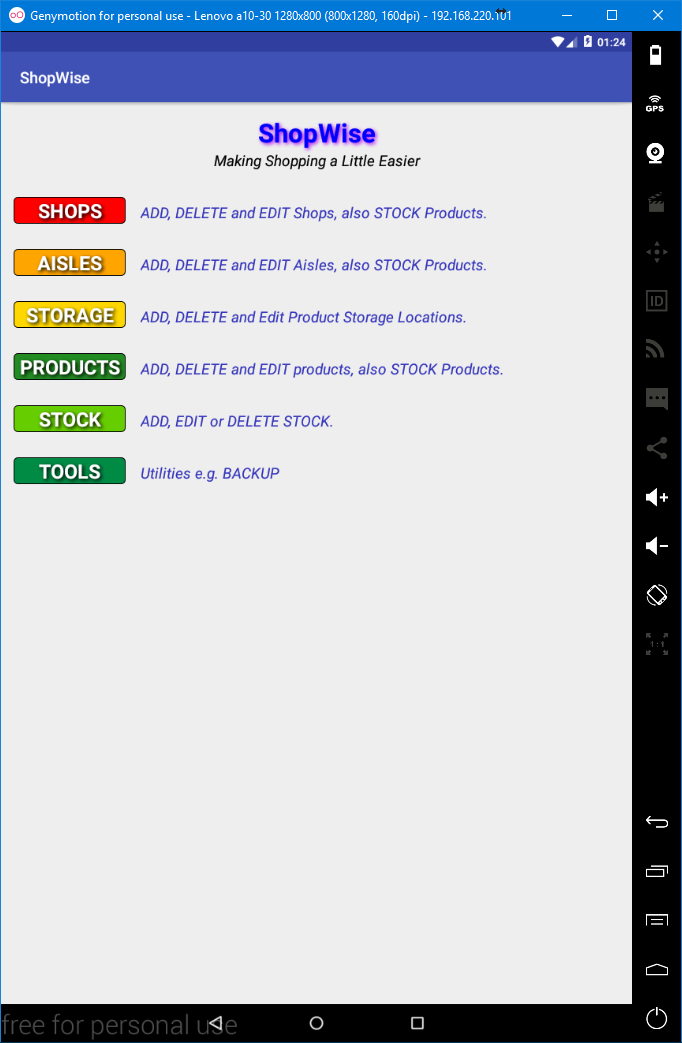
The dialog provides the **impact** that **deleting** the **Product** will have.

**Deleting** a **Product** will **delete all Stock** used by the **Product**. Deletion of any **Stock** will require deletion of any **Shopping List entries** and any **Rules** that use the **Stocked Items**.

Clicking **DELETE** will delete the **Product**.

Clicking **CANCEL** will return to the **Products display** doing nothing.

# STOCK

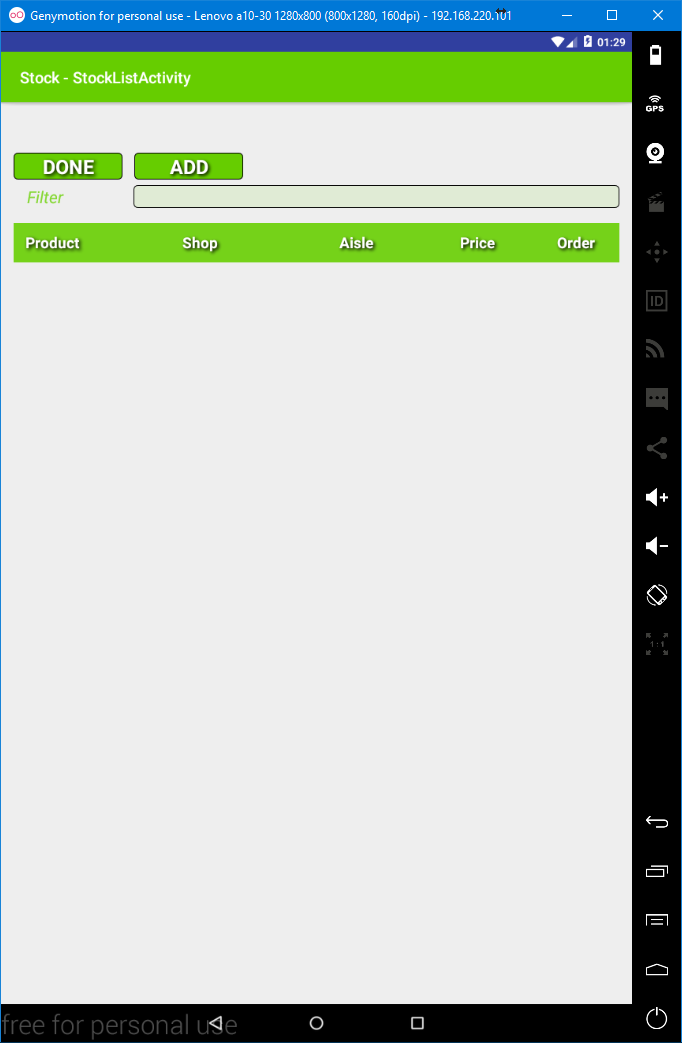


**Stock** is a **Product** that has been assigned to an **Aisle** and thus implicitly a **Shop**. **Stock** has additional values such as its cost. **Stock** also has underlying values, such as how many purchases have been made and when those purchases were made, such values are automatically generated and maintained by **ShopWise**.

There are a number of ways in which **Stock** can be added. **Stock** can be added via **SHOPS**, **AISLES**, **PRODUCTS** and **STOCK**. Adding **Stock** via **SHOPS**, **AISLES** or **PRODUCTS** sets the respective values. E.g. if **Stock** is added via **Aisles** then the **Aisle** and the **Shop** are provided, otherwise all methods ultimately use the same display although the titles and the colour coding will reflect the ancestor.

There is a subtle difference between using **STOCK** and the other three ways of adding **Stock**. From the **STOCK** option the **ADD** button is clicked, whilst from **SHOPS**, **AISLES** and **PRODUCTS** the respective item from the list is clicked and then **STOCK** is clicked from the dialog.

## The Stock Display



The **Stock display** lists current **Stock**, if any. Values, **Product**, **Shop**, **Aisle**, **Price** and **Order** are displayed. Note that **Order** is the order applied to the **Stock** that is used by the **Shopping List** as opposed to the order applied to the **Product** that is used by the **CheckList**.

The list can be filtered to progressively reduce the list according to the **Product**. As you type into the filter the list will be updated to only display **Stock** that contains what is typed in the **Product** field.

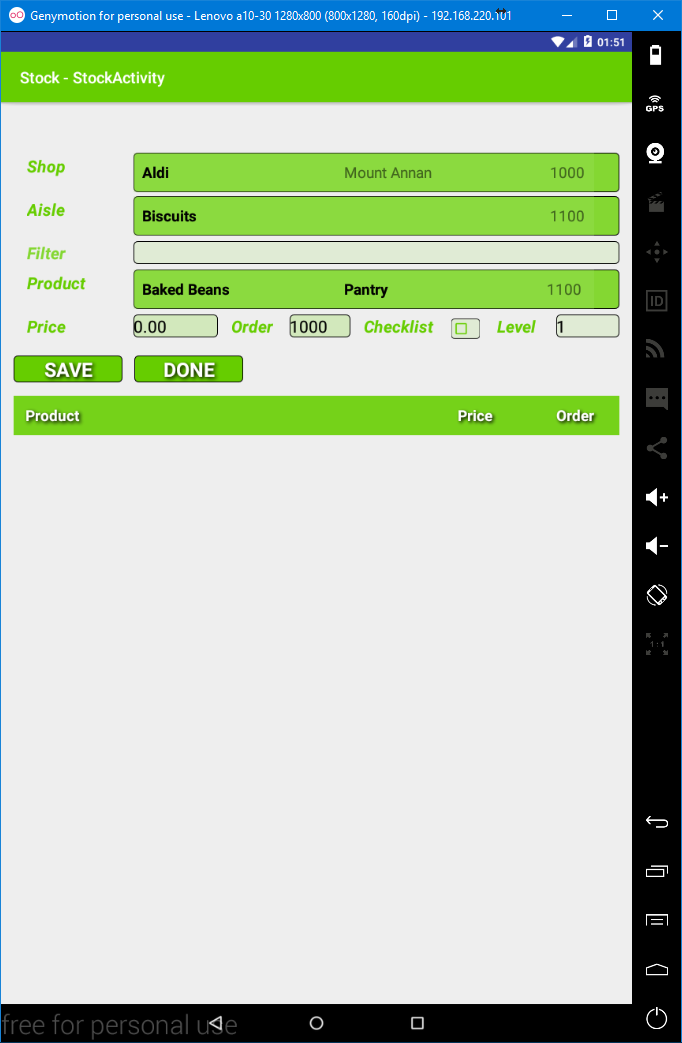
The list can be sorted by clicking on a heading (**Product**, **Shop**, **Aisle**, **Price** or **Order**).

Click **DONE** to return to the Main display.

Click **ADD** to add **Stock**.

# Adding Stock via the Stock Display

## The Stock Add Display (Click ADD from the Stock Display)



A **Stock** item, from the perspective of adding has 7 input fields, **Shop**, **Aisle**, **Product**, **Price**, **Order**, **Checklist** and **Level**. Additionally there is a filter input field; this filters the list of **Products** displayed by the **Product DropDown selector**.

**Shop** is a reference to an existing **Shop** it can only be a value selected from the **Shop DropDown selector**. Changing the **Shop** will result in the list of available **Aisles** changing. The suggested **Order** may also change. To select a **Shop** click on **the Shop DropDown selector** and then click on the required **Shop**, the **Shop** will then be displayed and it will be the **selected Shop**.

**Aisle** is a reference to an existing **Aisle** within the selected **Shop** and can only be a values selected from the **Aisle DropDown selector**. Changing the **Aisle** may change the suggested **Order**. To select an **Aisle** click on the **Aisle DropDown selector** and the click on the required **Aisle**, the **Aisle** will then be displayed and it will be the selected **Aisle**.

**Product** is a reference to an existing **Product** it can only be a value selected from the **Product DropDown selector**. As the number of **Products** can be quite large the **Product DropDown selector** can be filtered to reduce the **Products** listed by the **Products DropDown selector**. To use the filter type part of the **Product** into the filter (*note you do not see the results until you click on the Product DropDown selector*).

**Price** is how much the **Stock** will cost in the **Shop**/**Aisle**. Note that **Price** is specific to this **Shop**/**Aisle**/**Product** combination. **Price** must be a decimal value. Input is restricted to 9 characters, characters may be 0-9 or a period (.). Only 1 period is allowed. An attempt to save an invalid value will result in a yellow message indicating the issue being displayed with the field being selected for input.

**Order** is the order of the **Stock** within the **Aisle** within the **Shop** and affects the ordering of the **Shopping List**. It is distinct from the **Product’s** **Order** which is used for ordering the **Checklist**. Order will be suggested. The suggestion being **1000** if the **Aisle** has no current Stock. Otherwise, the suggestion will normally be **100** greater than the highest order of current **Stock** within the **Aisle**.

**Checklist**, if ticked, indicates that this **Stock** item will appear in the **CheckList**. The field is clicked to change/toggle the tick.

**Level** is used to represent the number of this **Product** that should be maintained. That is, it is displayed in the **CheckList**. E.g. if you like to have at least 2 Tins of baked beans at home then **Level** would be 2. **Level** defaults to 1.

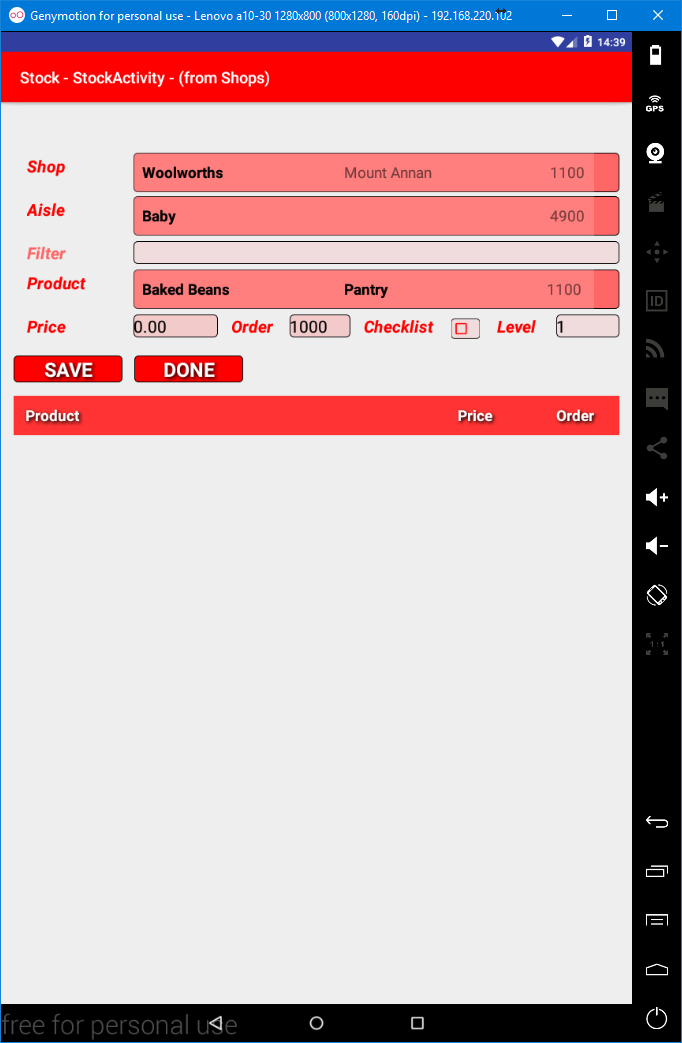
Click on SAVE to add the Stock. A message will indicate the result. If the message is green then the Stock will have been added. If the message is yellow then the Stock will not have been added and the messages will provide the cause of the issue. If the **Stock** was added it will appear in the list. The price will be reset to 0.00. The suggested **Order** will be incremented, normally by **100**. The checklist will be un-ticked and the level will be reset to 1.

Click on **DONE** to return to the **Stock display**.

## Adding Stock via the Shops Display

Click on **SHOPS** from the **Main display**.

Click on a **Shop** from the list of **Shops** and click on **STOCK** from the dialog. The **Stock - (from Shops) display** appears.



The **Shop** will be as per the **Shop** that was selected in the **Shop display** list.

**Aisle** will be an arbitrary **Aisle** from the **Aisles** owned by the **Shop**. Select the appropriate **Aisle**.

**Product** will be an arbitrary **Product** that is NOT assigned as a **Stock** item for selected Shop/Aisle. Select the required **Product**. Typing part of the required **Product**, in the **Filter**, will reduce the **Products** listed by the **DropDown selector** and may simplify **Product** selection.

If the **Filter** excludes all **Products** then the **Products DropDown selector** disappears, if **SAVE** is clicked a message will indicate that save could not be done due to there being no selectable **Products**. The resolution is to change the **Filter** so that the **Product DropDown selector** reappears.

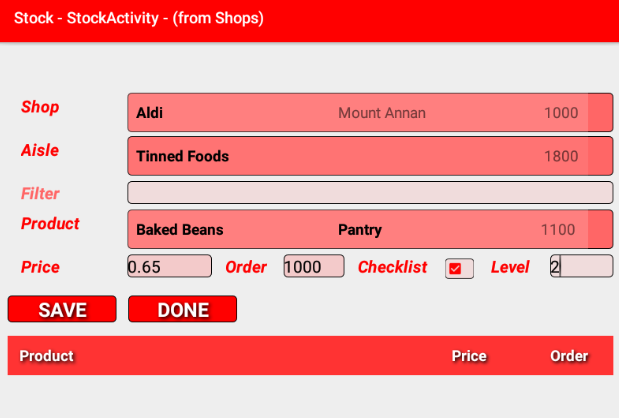
**Price** will be **0.00**. Input the price of the **Product**.

**Order** will be suggested.

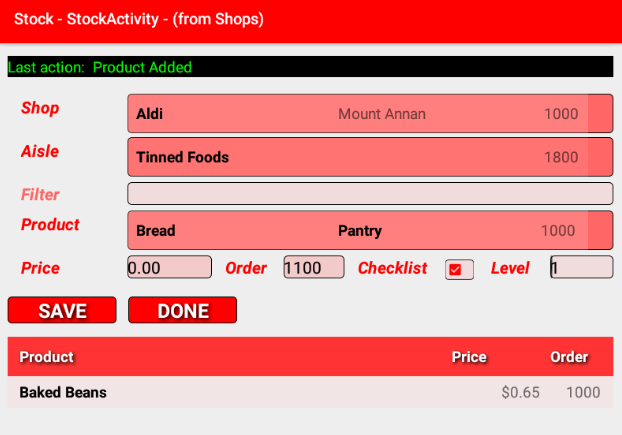
**Checklist** will be unchecked. Click **Checklist** if you want this **Stocked item** to appear in the **CheckList**.

**Level** will be **1**. If you clicked on **Checklist** you may wish to specify a different value to represent how many you should have.

Example that will, when saved add *Baked Beans* to the *Tinned Foods Aisle* of the *Shop named Aldi*. The **Price** is 0.65, **Order** was left as it was (1000), **Checklist** has been ticked so it will appear in the Checklist with a **Level** of 2 (*i.e. when checking there should be 2 tins of baked bean in the Pantry, if not then the shortfall can be added to the Shopping List via the CheckList*).



Click **SAVE** to add the Stock item.



The message will indicate the result. If the message is green then the Stock will be added, it will appear in the list of **Products** in the **Shop**/**Aisle**.

The **Filter** will remain. The **Product** will no longer appear in the **Product Drop Down selector** (to stop duplication). If the Filter results in excluding all Products then the Products DropDown selector will disappear and clicking **SAVE** will not save, due to no Product being selectable. In this case the **Filter** should be changed, or **DONE** clicked.

Click **DONE** when you wish to return to the Shop display.

## Adding Stock via the Aisles Display

This is similar to adding **Stock** via the **Shops display** and also via the **Stock display**, the only difference is that the **Aisles** colour coding will be used and that the **Aisle** and **Shop** will reflect the **Aisle** that was clicked.

## Adding Stock via the Products Display

Again this is similar to adding **Stock** from the **Stock**, **Shops** and **Aisles** displays. The **Shop** and **Aisle** will be arbitrary and the **Product** will reflect the **Product** that was clicked.

# Editing Stock

Editing **Stock** is achieved via the list of current Stock displayed by the **Stock display**. As such to edit a **Stock** you select **STOCK** from the **Main display** and then click on the respective **Stock** to be edited.