I.VY

User Guide

Team Technocrats

Capstone – Winter 2020

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Introduction

Overview

I.VY is an android application that aims to provide assistance to the inventory management process of fast food restaurants. It also aims to provide support in making order decisions, such as when, what and how much to buy.

The following are the main features of the app:

- Create Order
- Manage Order Items
- Track Order
- Check Inventory
- Set Inventory
- View Recommended Inventory Count
- View Usage Analysis

This guide includes basic information about the listed features.

Who Should Read This?

This guide is primarily intended to be used by store managers seeking information on how to use the different features of the app.

Getting Started

System Requirements

In order to run this app, you must have:

- An Android device that runs Android 7.0 Nougat or higher
- 2GB of RAM or higher
- 10MB of disk space

Getting Help

In case you encounter problems while using the app, you can contact the developers through e-mail (ivycapstone@gmail.com).
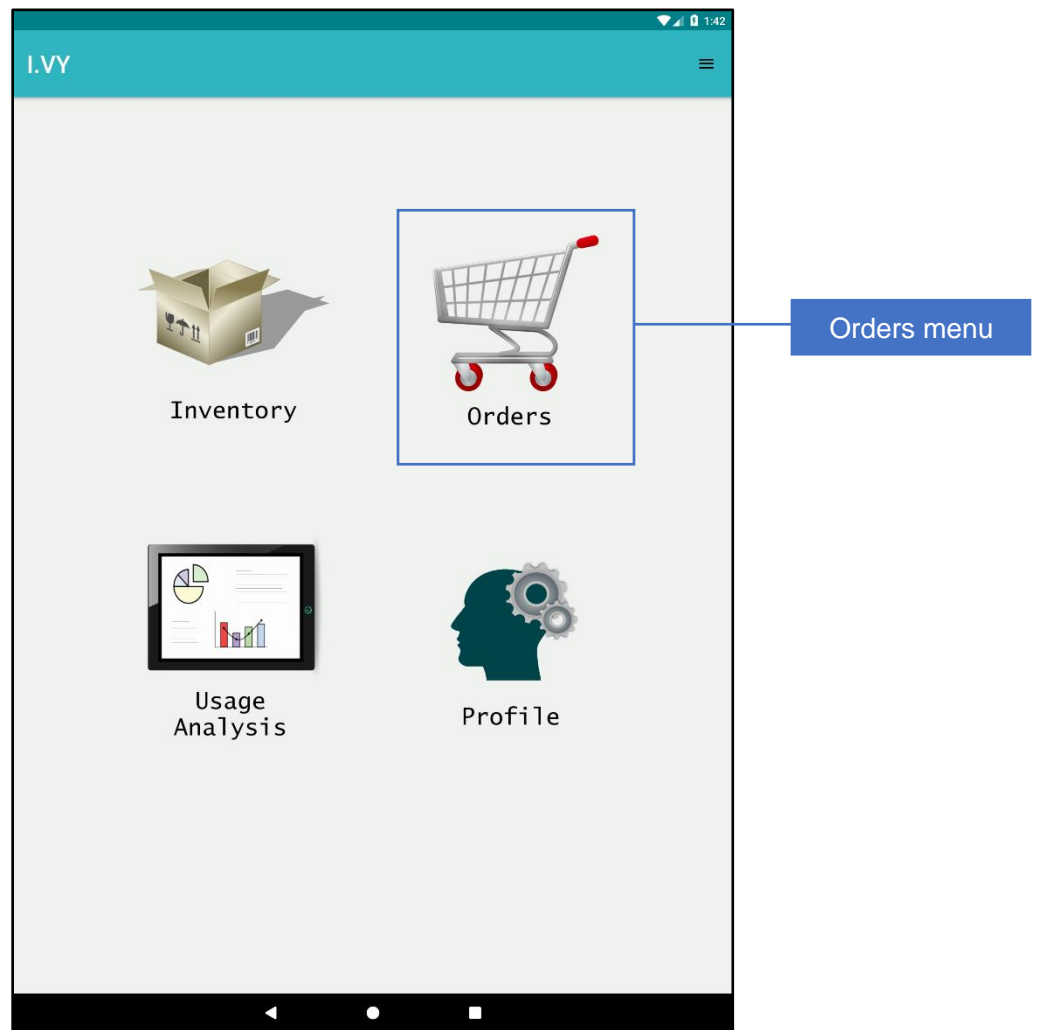
You can also raise an issue on the app's public repository at:

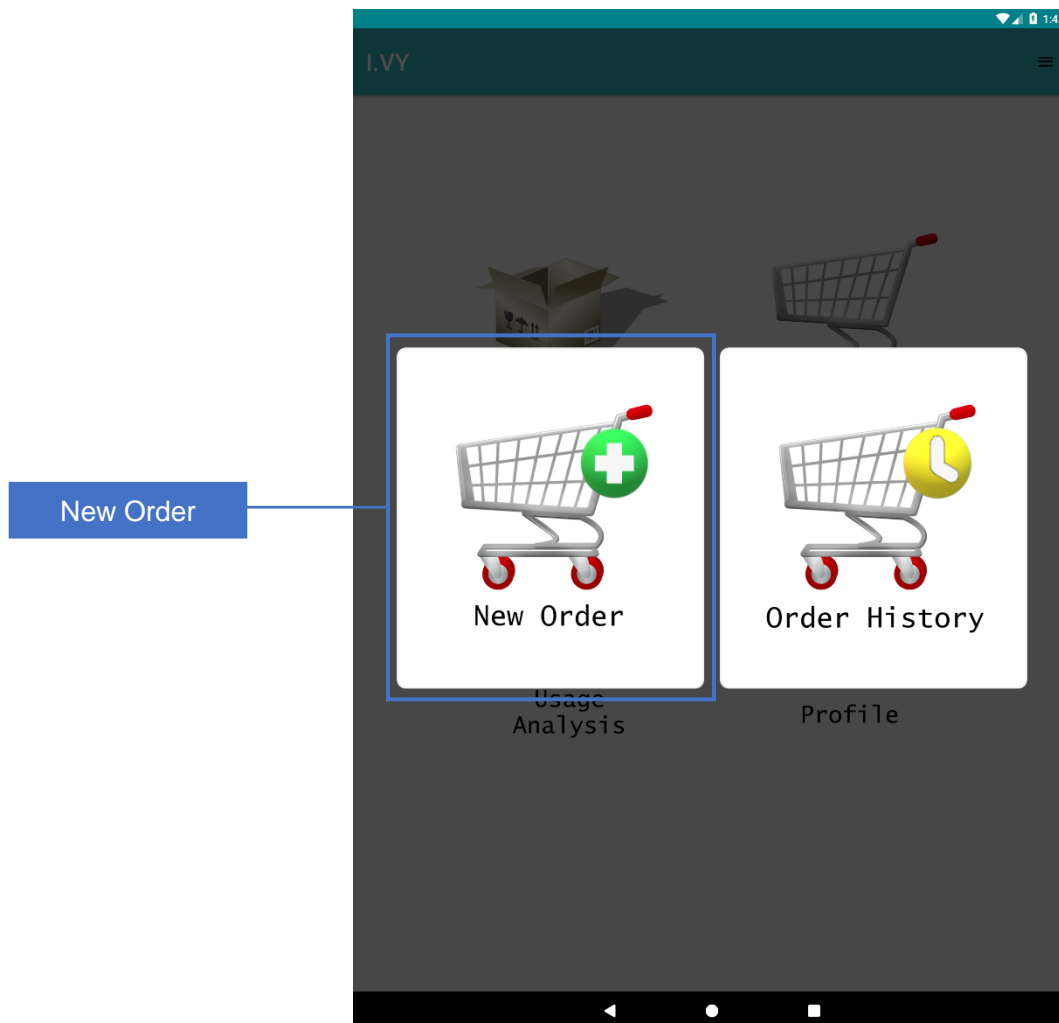https://github.com/lhernandez1848/Capstone

Features

Create Order

Step 0. Navigate to New Order screen.

    a) Click 'Orders' on the home screen.

b) Click 'New Order' on the pop-up menu.

Step 1. Add products to order

a) Add products to your order. Refer to Add Product to Order section of this manual.

Step 2. Click on 'Proceed to Checkout'

a) Once you have added all the desired products to your order, click on 'Proceed to Checkout' button to view your order summary.
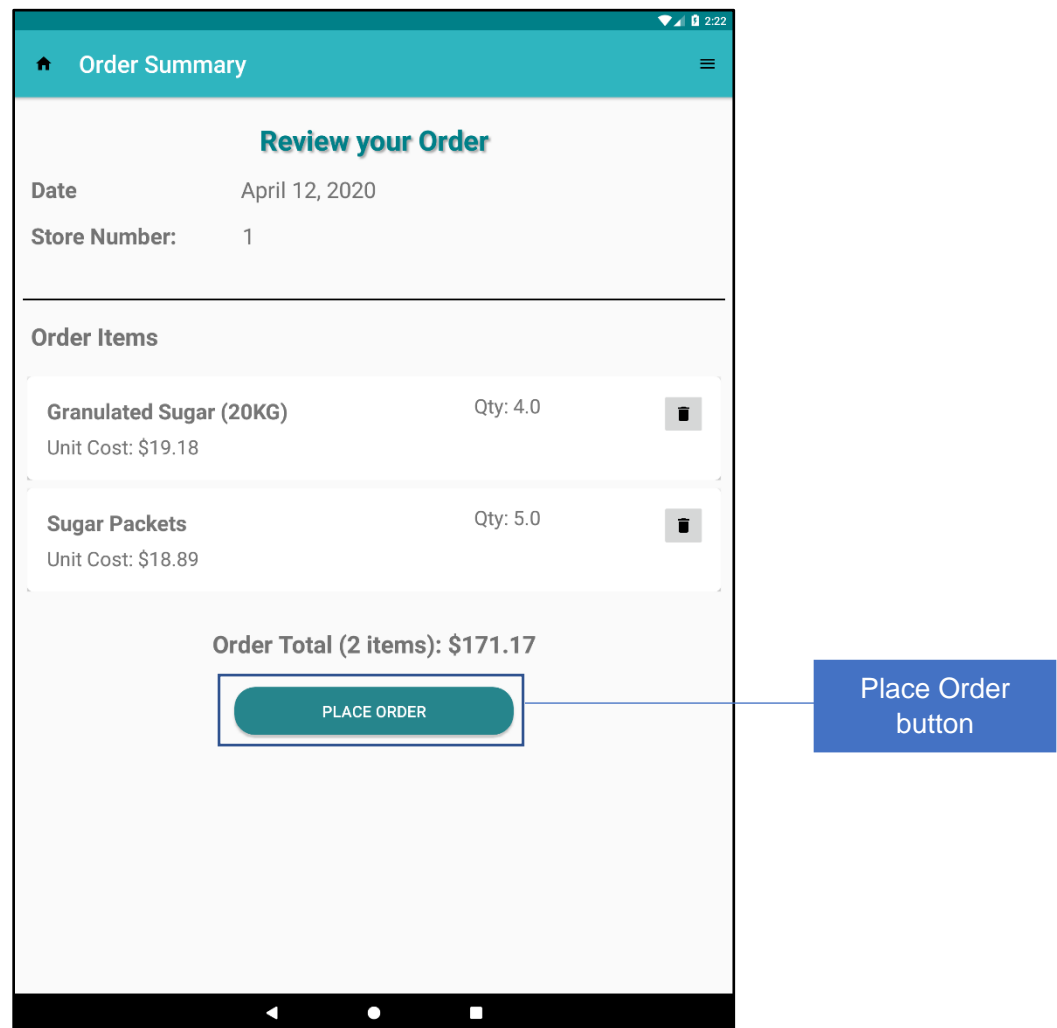
Step 3. Review Order

 a) Review your order. You may delete the products or go back to the previous page to add more items.

Step 4. Place your Order

 a) Click on the 'Place Order' button to submit your order.

Manage Order Items

Add Product to Order
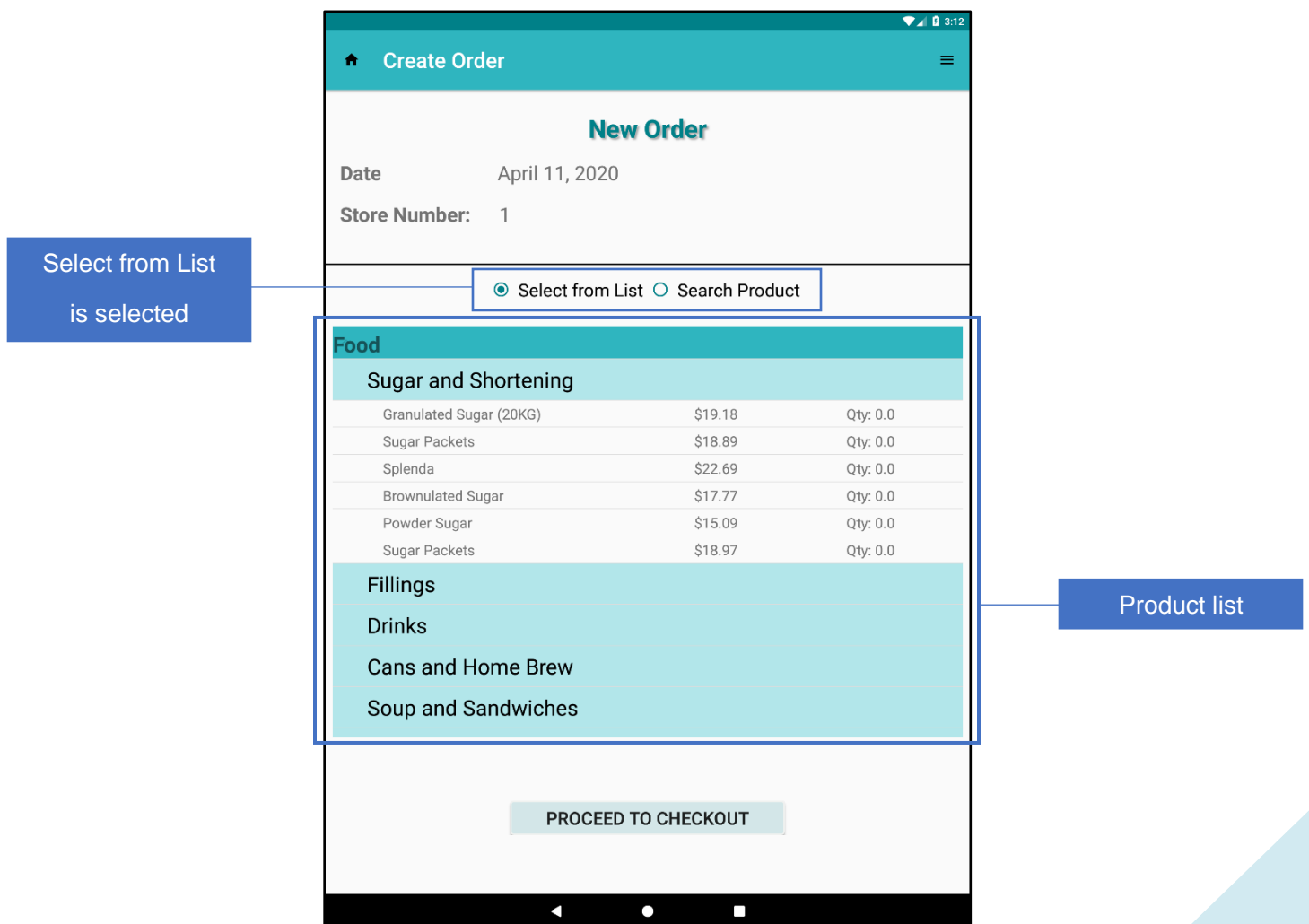
Step 1. Select Product

a) In order to add a product to your order, you can either select a product from the list or search for a product.
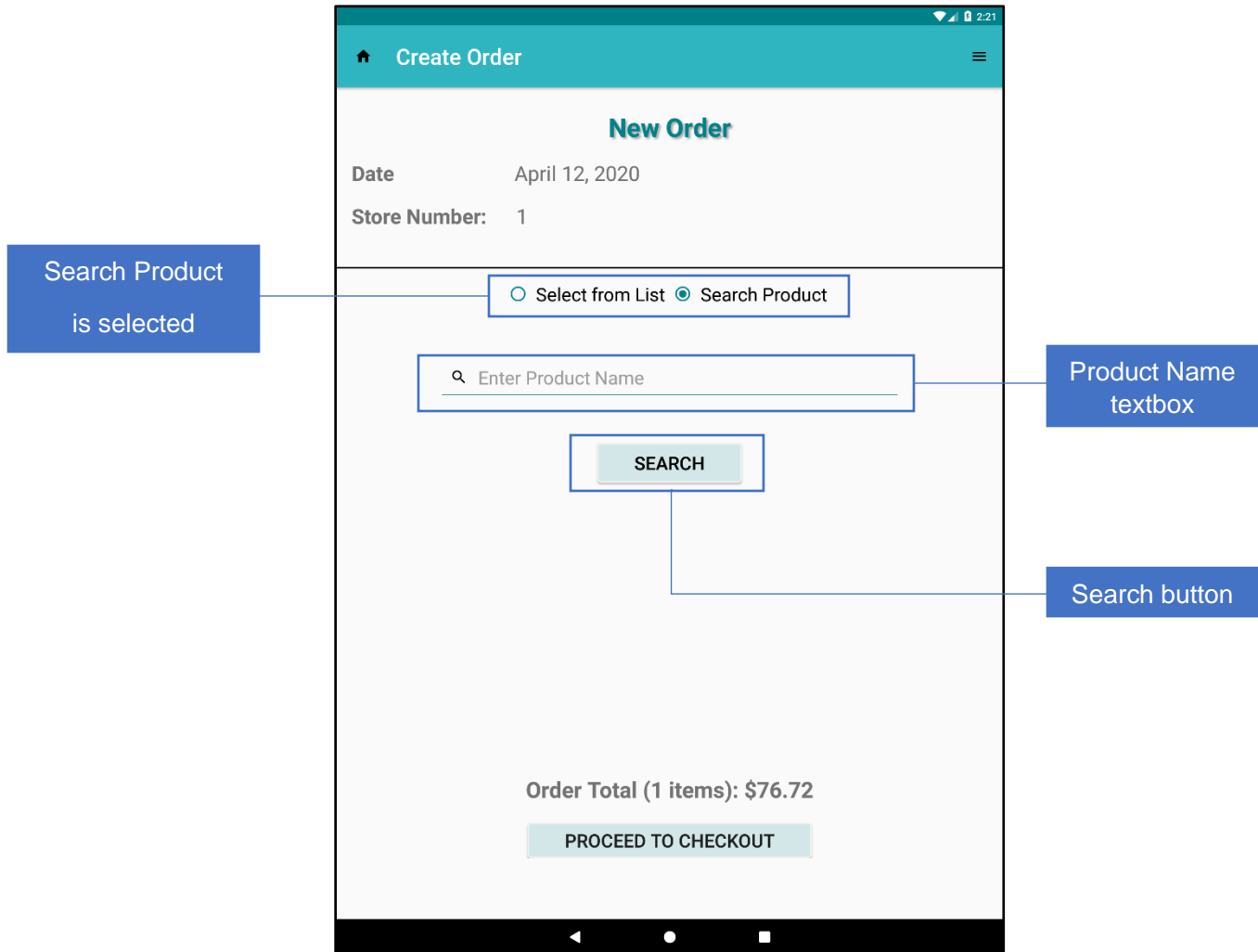
A. Select from list

Once the product list is displayed:

– Select category

– Select subcategory

– Select product

Select from List is selected

Product list

B. Search Product

- Enter product name or product ID on the textbox.

- Click 'Search' button

Search Product is selected

Product Name textbox

Search button

– Select product from the results

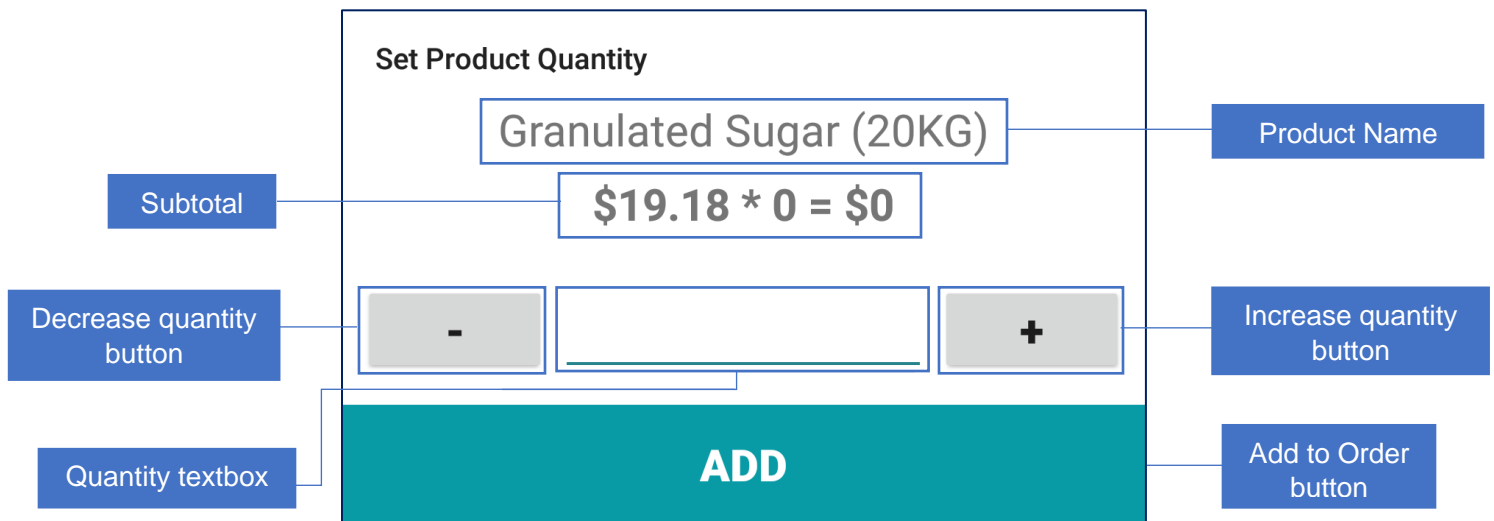Search results

Step 2. Enter Quantity

a) Once the dialog box appears, enter the quantity on the textbox. You can also use the + and – buttons to set the quantity.
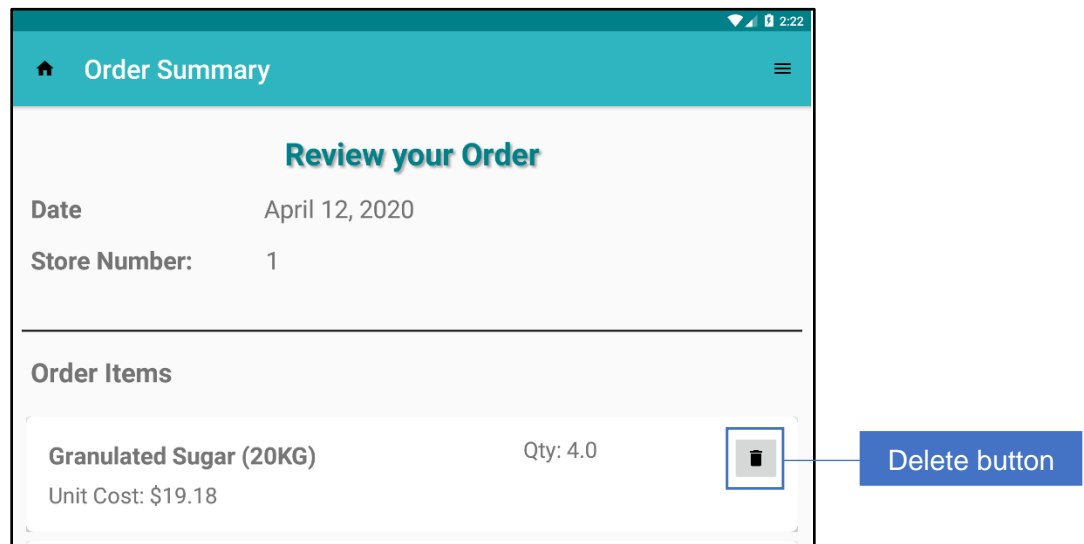
Step 3. Add to Order

a) Click on the 'Add' button to add the product to your order.

Set Product Quantity

Granulated Sugar (20KG) — Product Name

Subtotal — $19.18 * 0 = $0

Decrease quantity button — **-**   **+** — Increase quantity button

Quantity textbox

ADD — Add to Order button

Remove Product from Order

Step 1. Click delete button

  a) Once you are on the Order Summary screen, click on the 🗑 button to delete a product from the order.
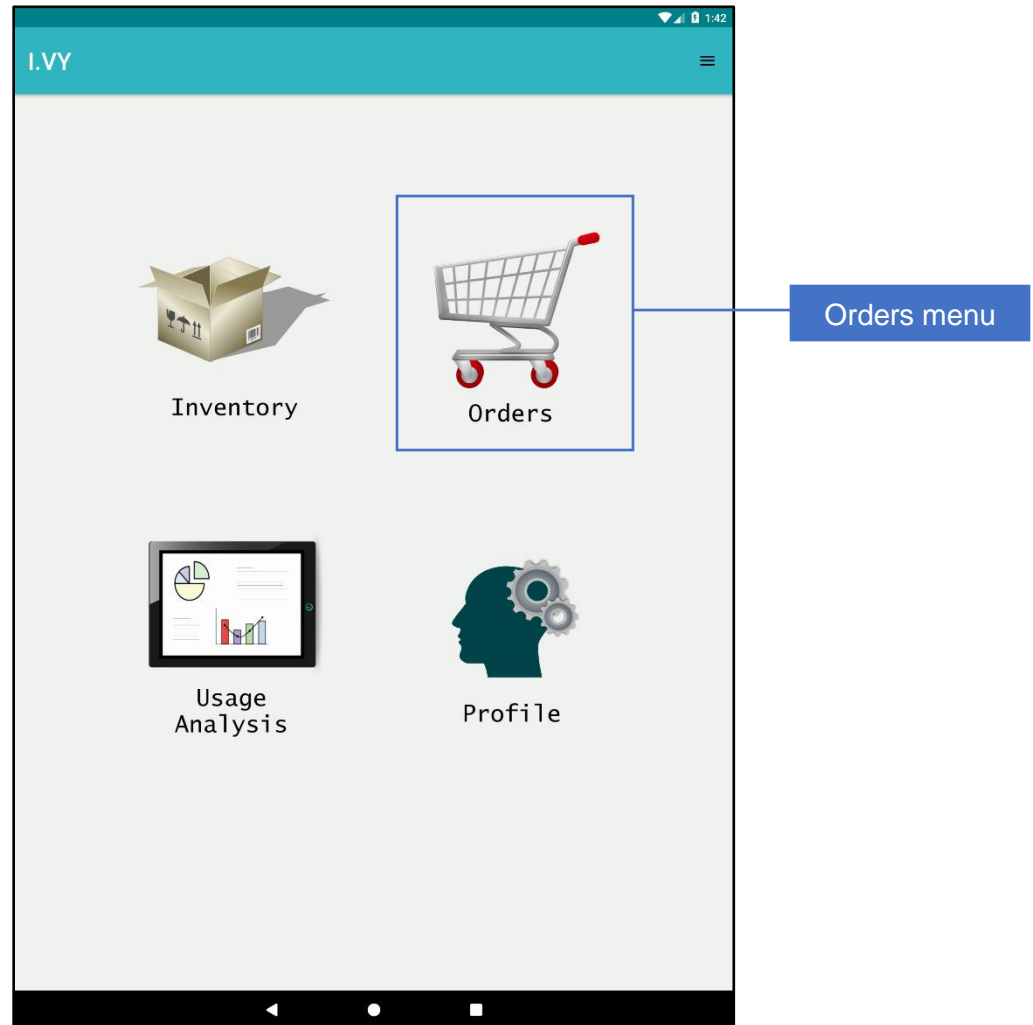

Step 2. Confirm delete

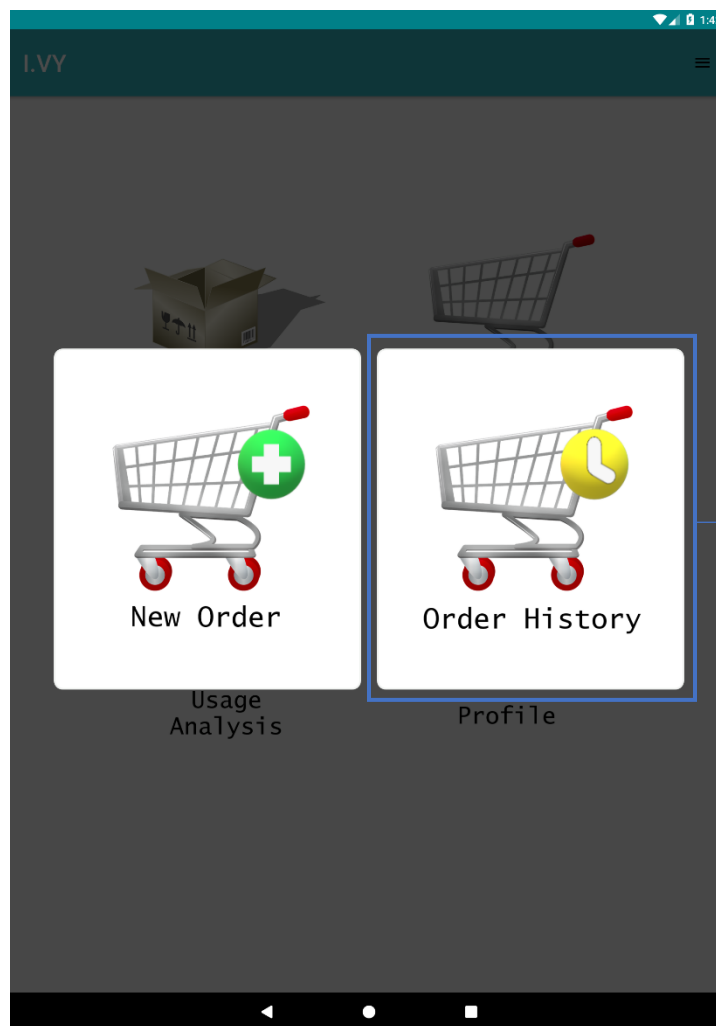 b) Once the dialog box appears, click 'Remove' to confirm deletion of product.

Track Order

Step 0: Navigate to Track Order screen
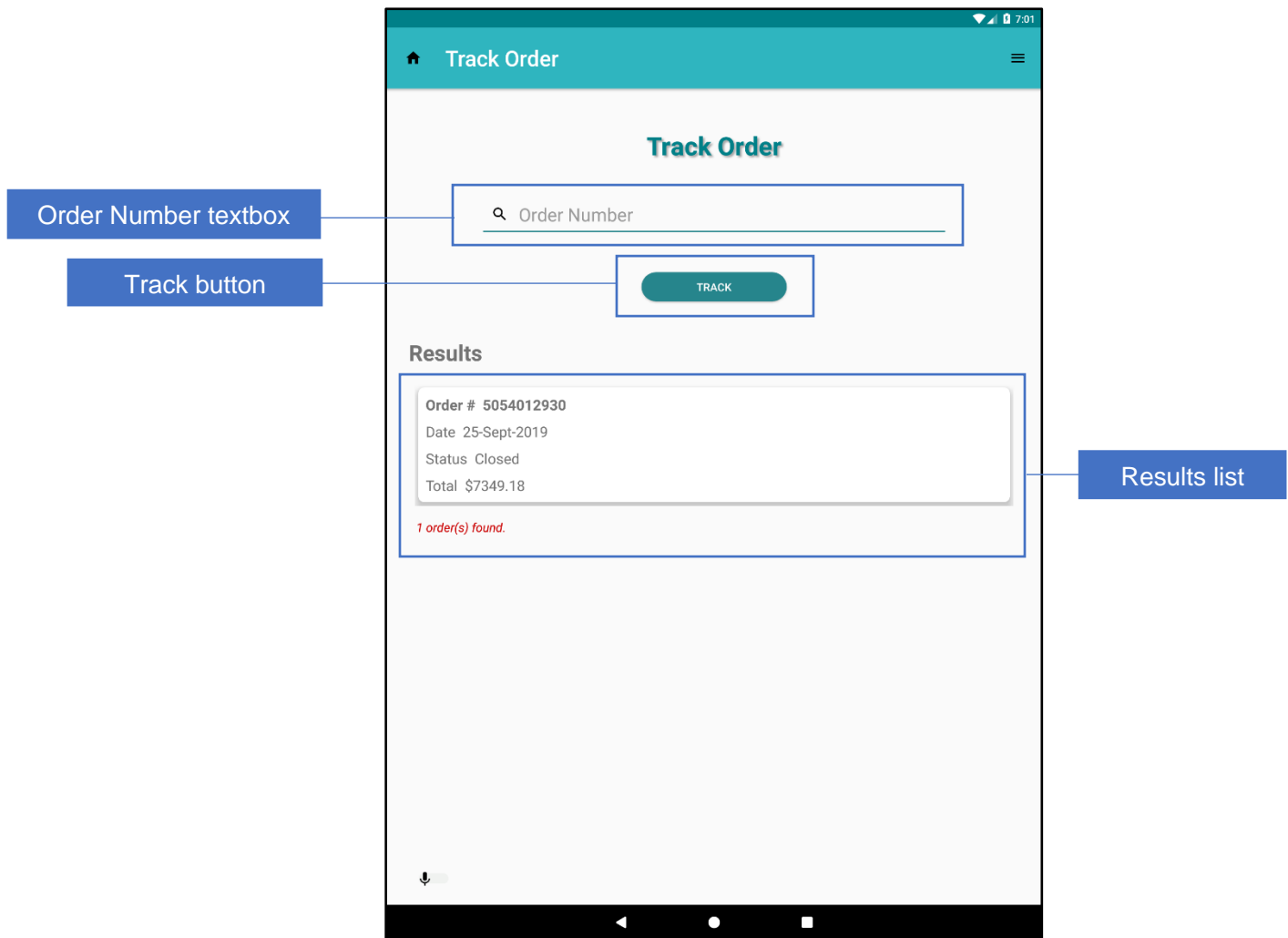
    a) Click 'Orders' on the home screen.

b) Click 'Order History' on the Order pop-up menu.

Step 1: Enter order number

    a) Enter order number in the textbox.
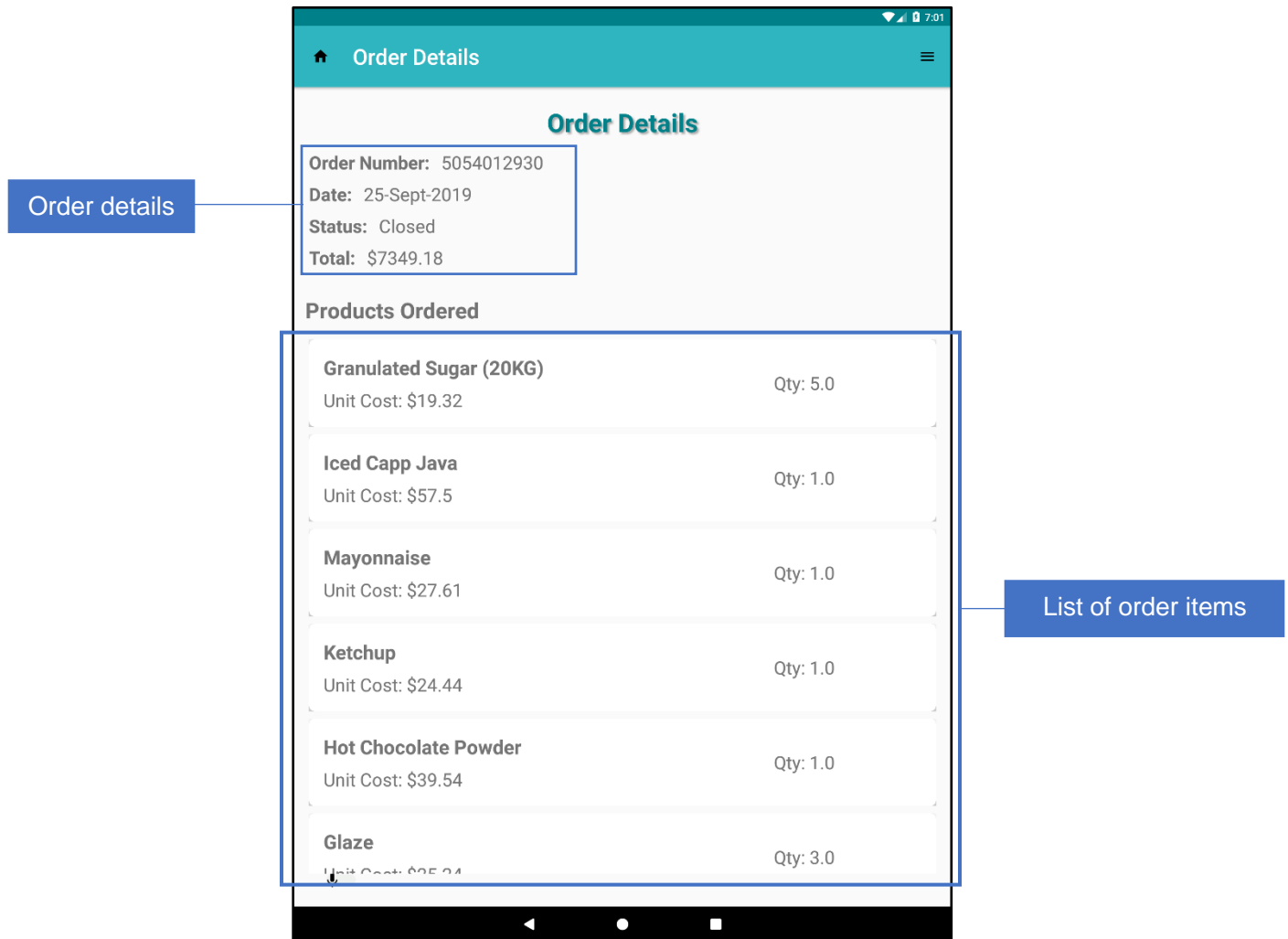
    b) Click on 'Track' button.

Step 2: Select from search results

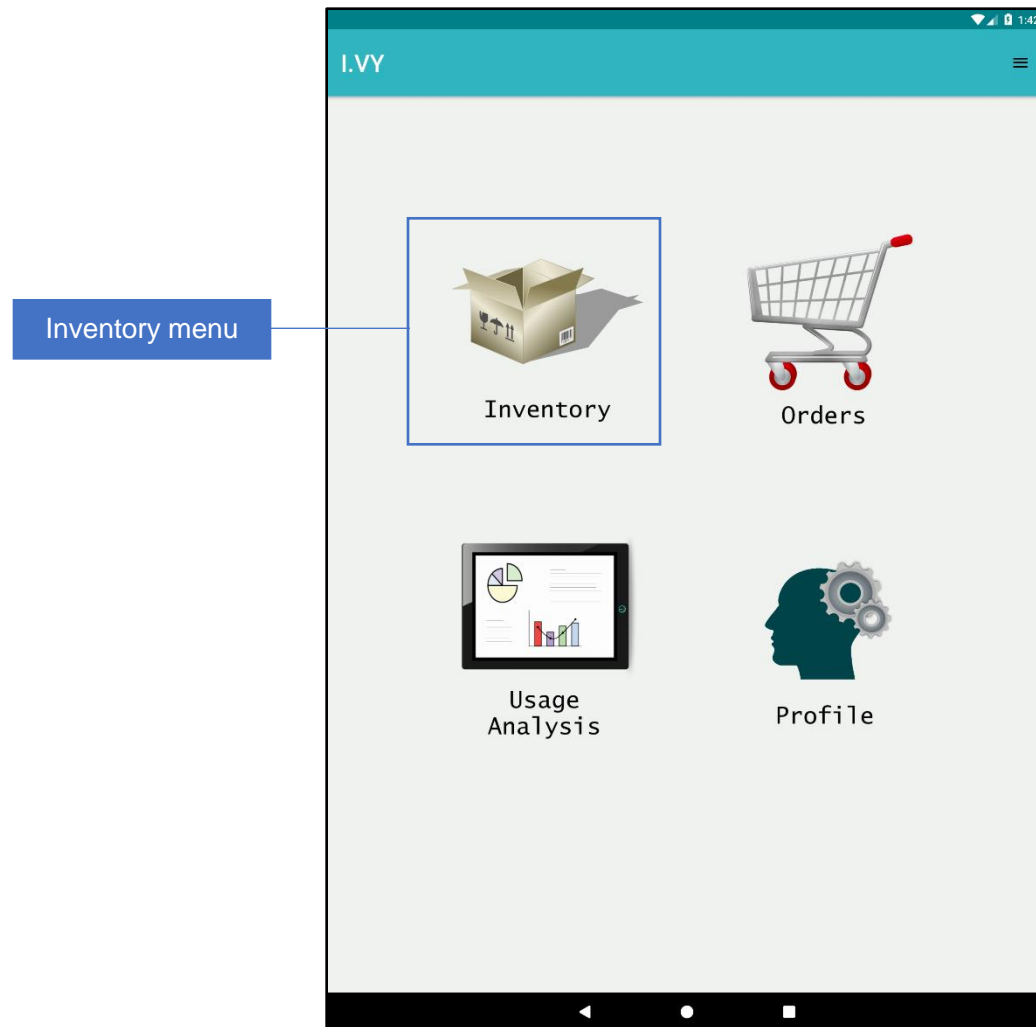   a) Select an order from the search results.

Step 3: View order details

b) Scroll through list to view all the products ordered.
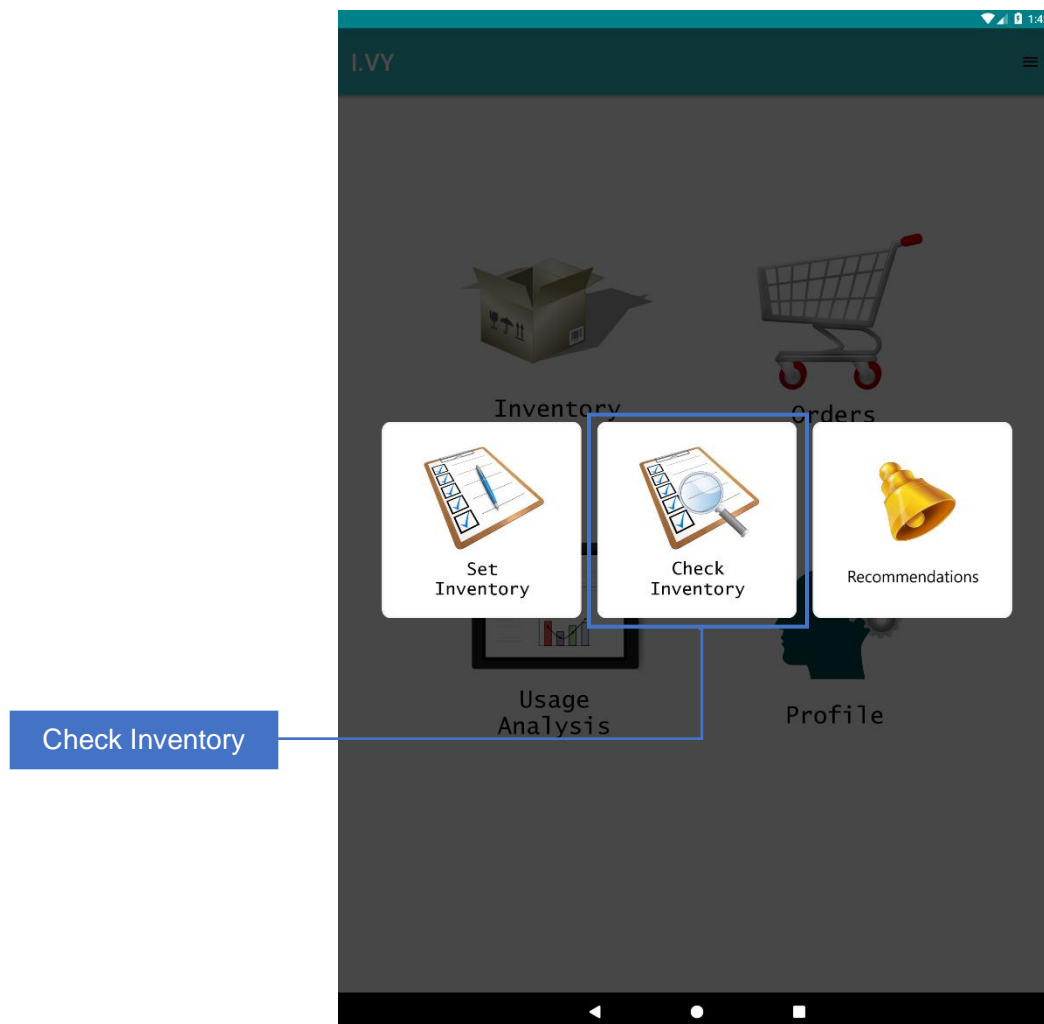
Order details

List of order items

Check Inventory

Step 0. Navigate to Check Inventory screen

a) Click 'Inventory' on the home screen

b) Click 'Check Inventory' on the Inventory pop-up menu

c) Once the Check Inventory screen loads, you will be presented with two options on how you would like to view the inventory count: (a) by value or (b) by proportion.

If you selected the "Value" option:

Step 2. Fill and submit form

    a) Select date

    b) Click on 'Check Inventory'

Step 3. View Inventory Details

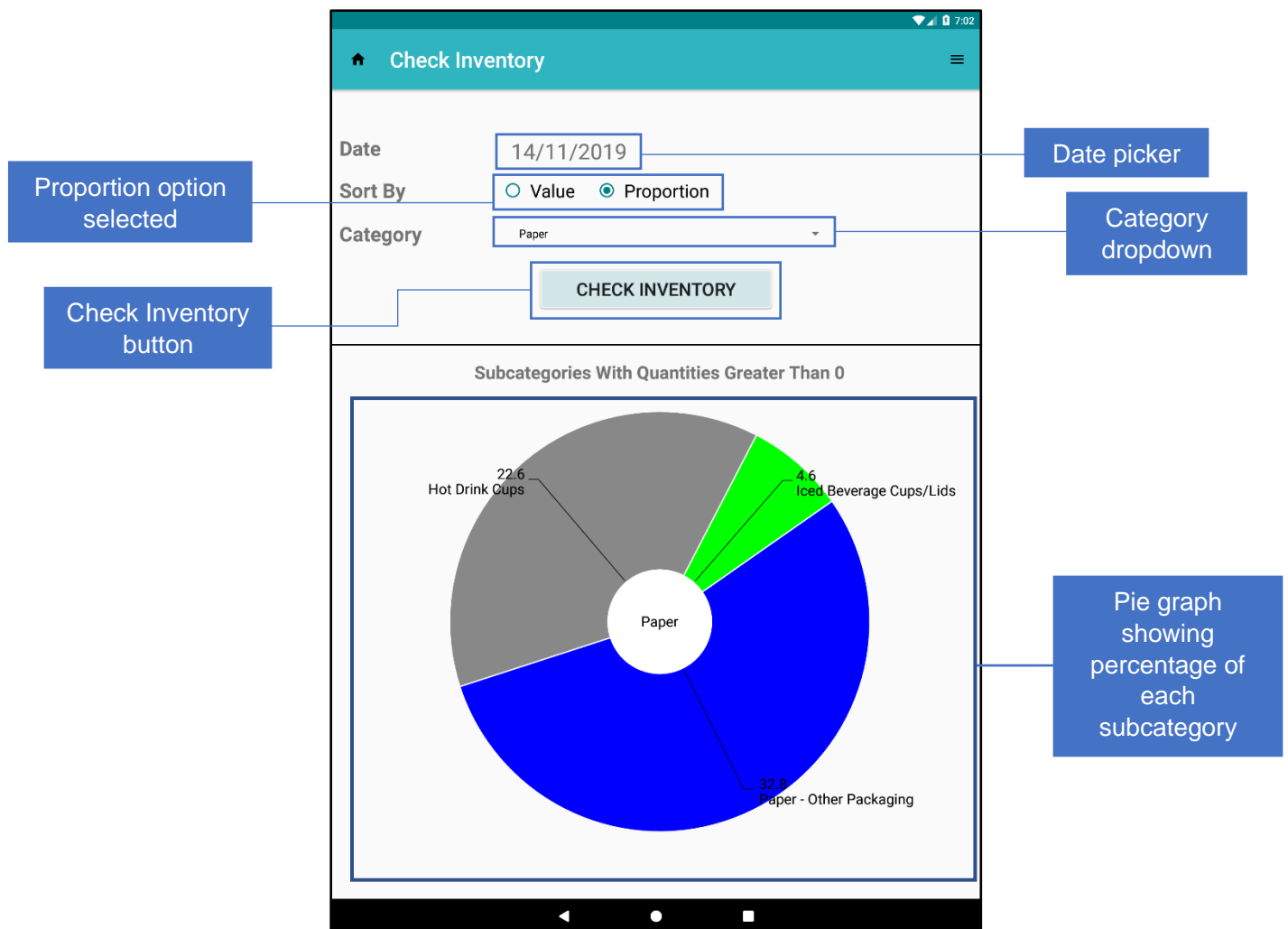   a) Expand the list to view the inventory count on the selected date.

If you selected the "Proportion" option:

Step 2. Fill and submit form

    a) Select date

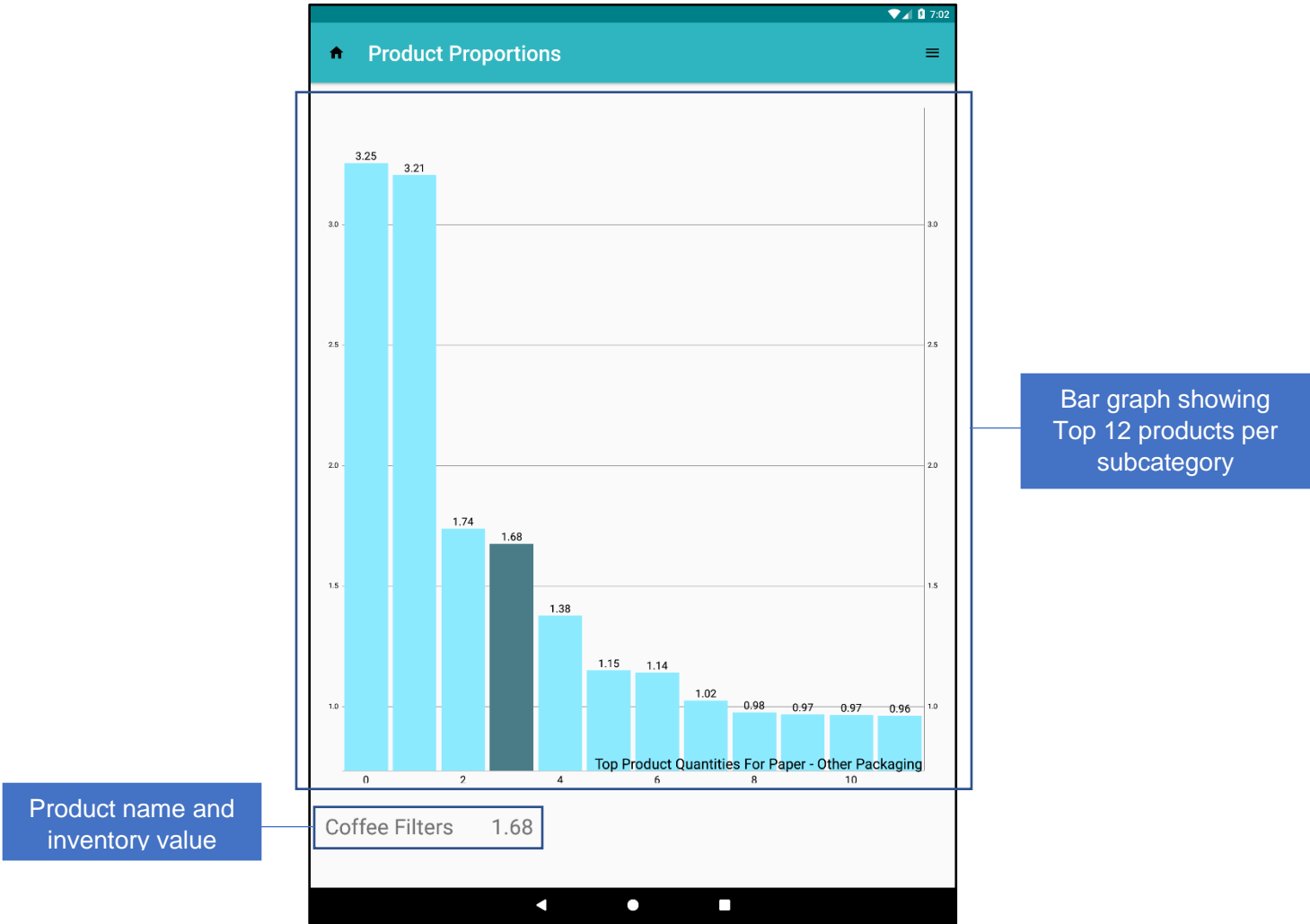   b) Select category

    c) Click on 'Check Inventory'

Step 3. View Inventory Details for Category

    a) A pie graph containing the inventory count for each category for the selected date will be displayed.
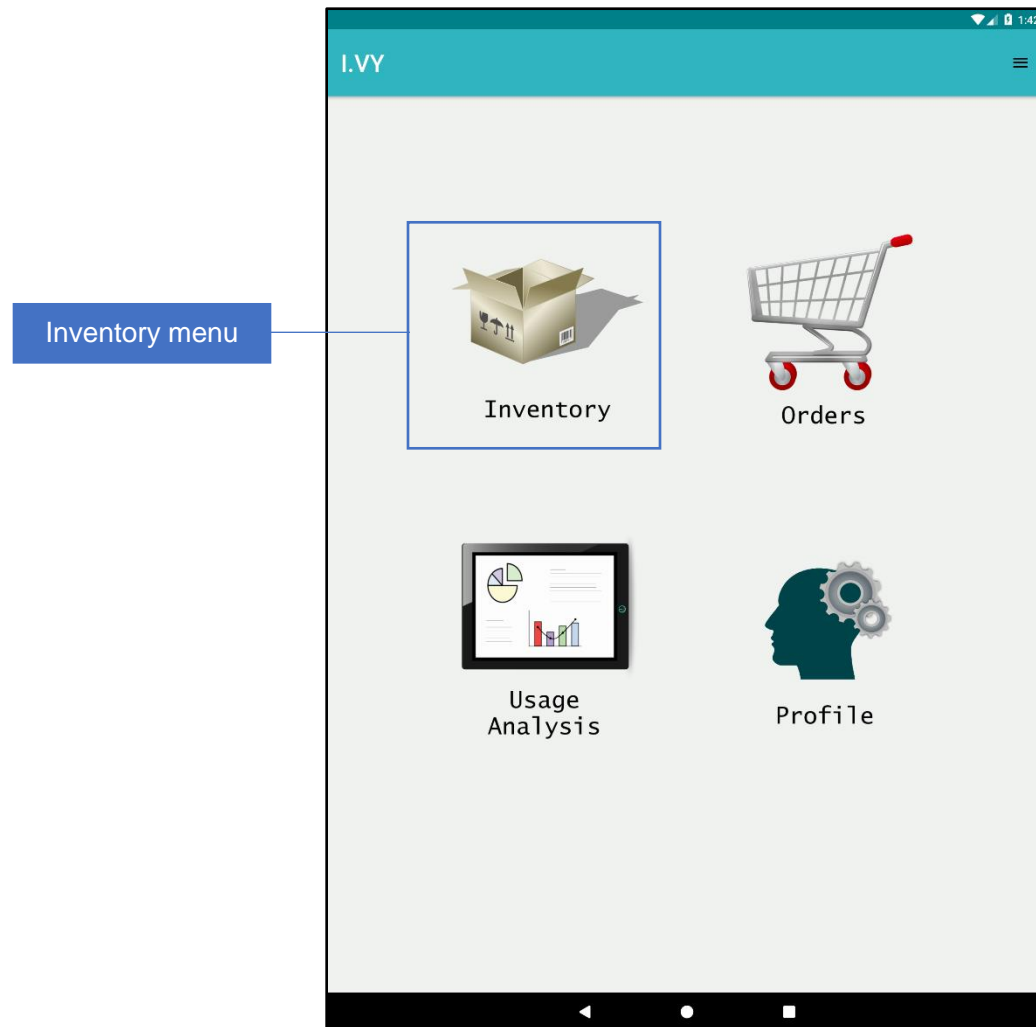
Step 4. View Inventory Details for Subcategory

a) To view the inventory count of each product per subcategory, click on the specific slice on the graph.

b) A bar graph for the Top 12 products will be displayed. Click on a bar to view the product's name and inventory count.
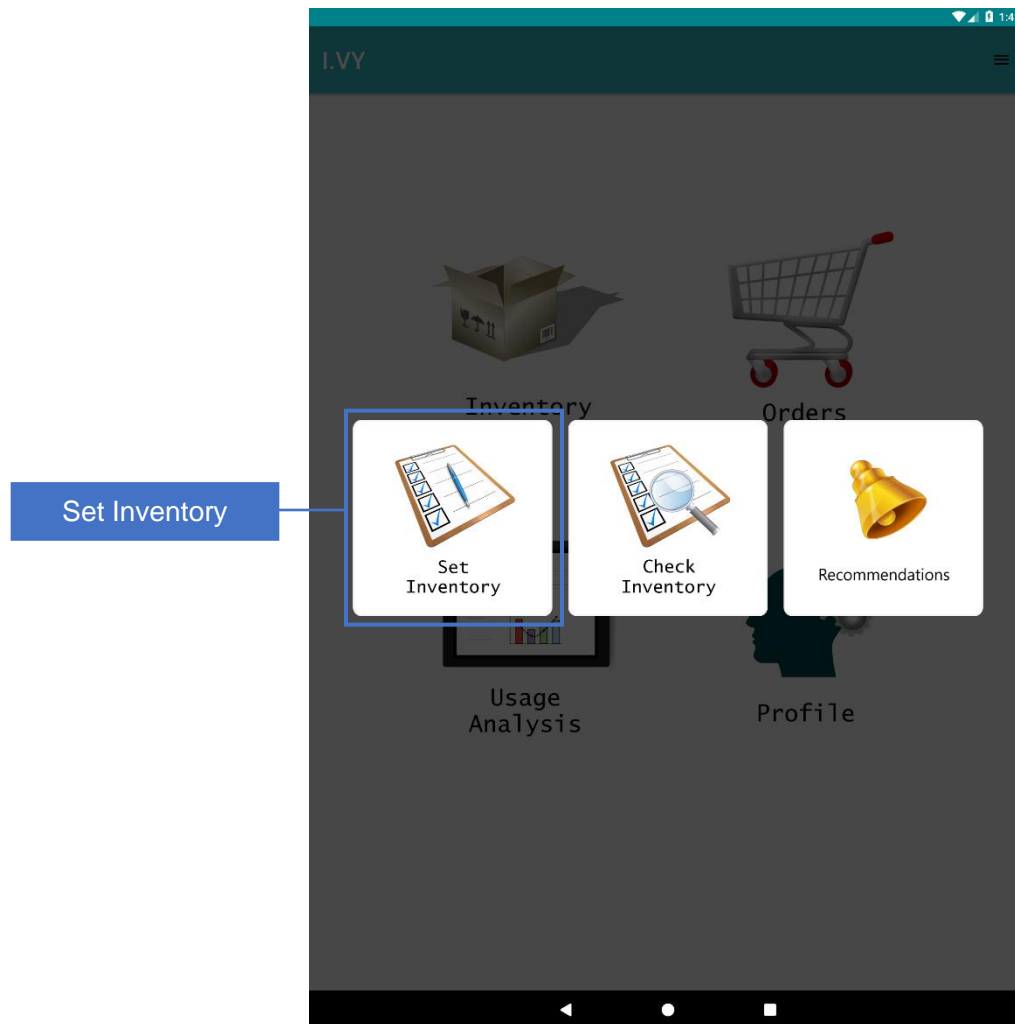

Bar graph showing Top 12 products per subcategory

Product name and inventory value

Set Inventory

Step 0: Navigate to Set Inventory screen

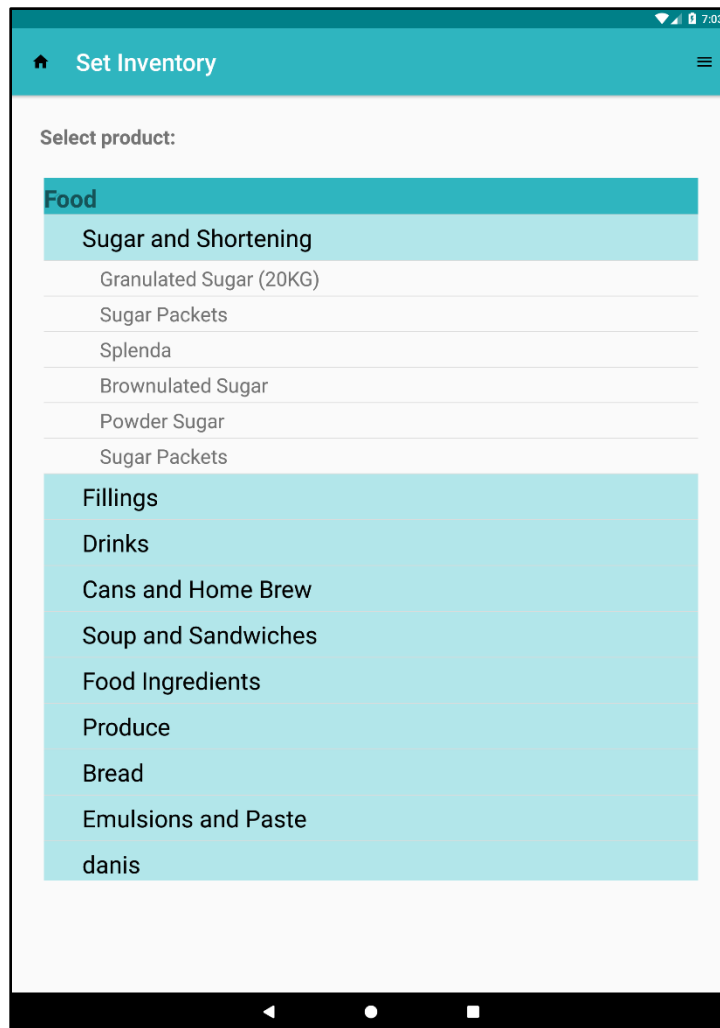a) Click 'Inventory' on the home screen

Inventory menu

b) Click 'Set Inventory' on the Inventory pop-up menu

Set Inventory

Step 1: Select the product

a) Select a category

b) Select a subcategory

c) Select a product

Step 2: Enter Quantity

- Once the dialog box appears, enter the quantity on the textbox or use the + and – buttons to set the quantity.

Set Inventory Count

Granulated Sugar (20KG)

Last Inventory Count: 1.000 (14-Apr-2020)

Par Level: 3.879

Product details

Decrease quantity button

- | Quantity | **+**

Increase quantity button
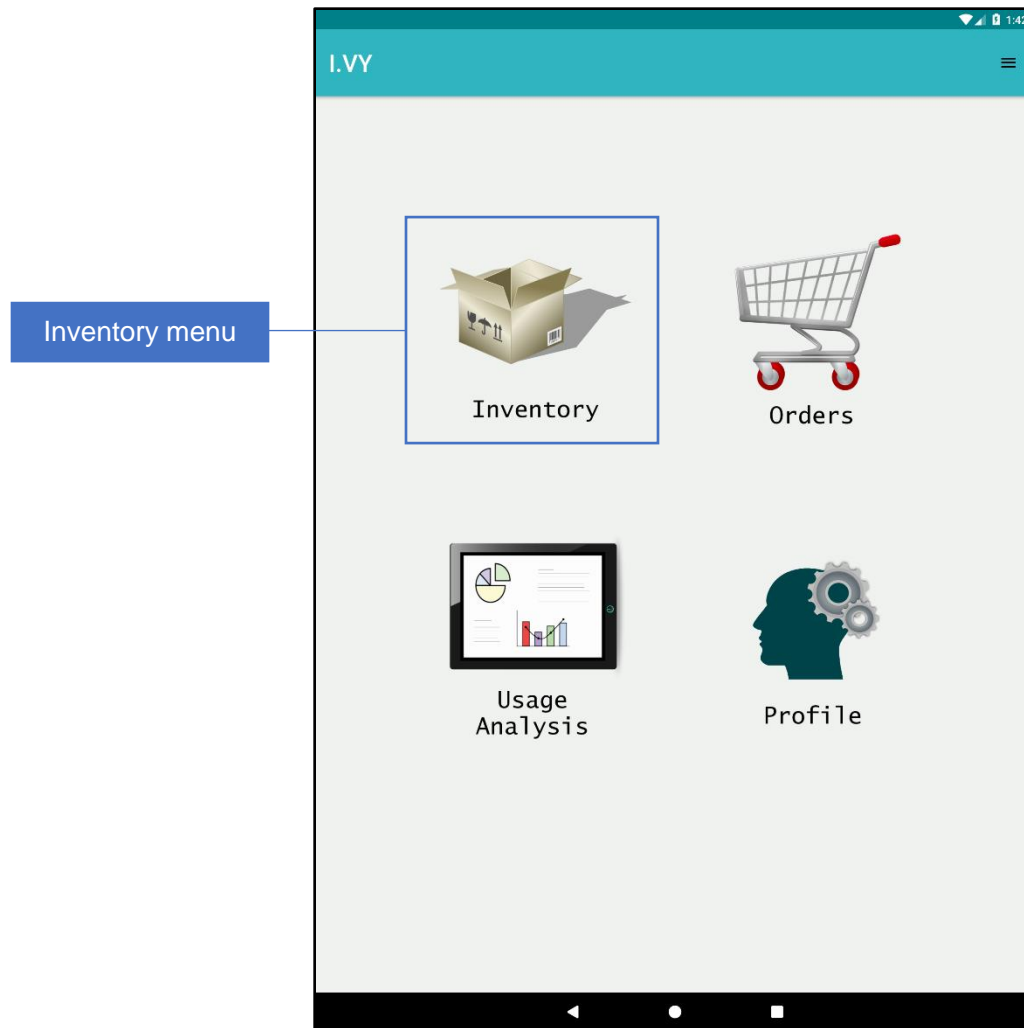
Quantity textbox

Save button

SAVE

Step 3: Save Changes

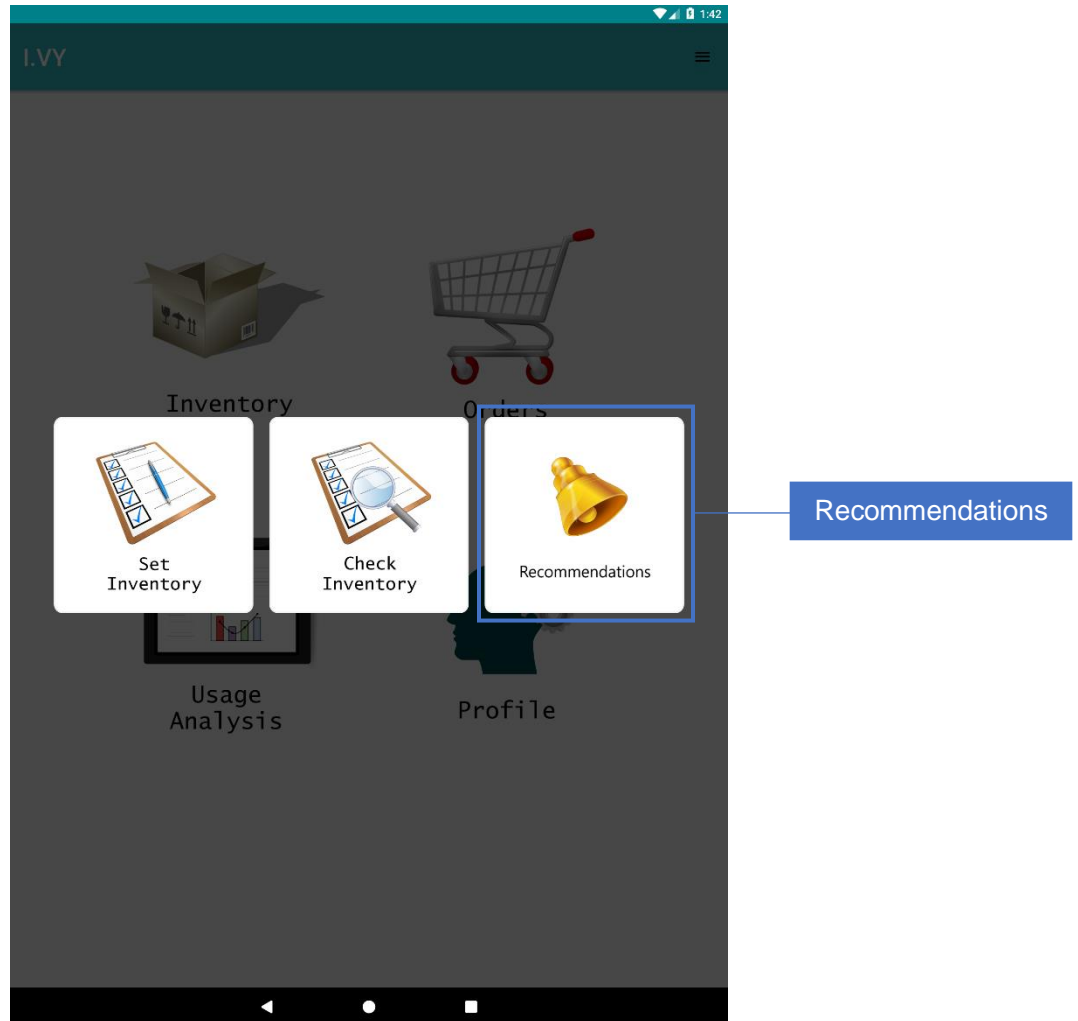- Click 'Save' on the dialog box to save the changes.

View Recommended Inventory Count

Step 0. Navigate to Recommendations screen

    a) Click 'Inventory' on the home screen

b) Click 'Recommendations' on the Inventory pop-up menu

Step 1. Select date

    a) Select date

Step 2. View Recommended Inventory Count

    a) Scroll through the list displayed to view the recommended inventory count of products for the selected date.
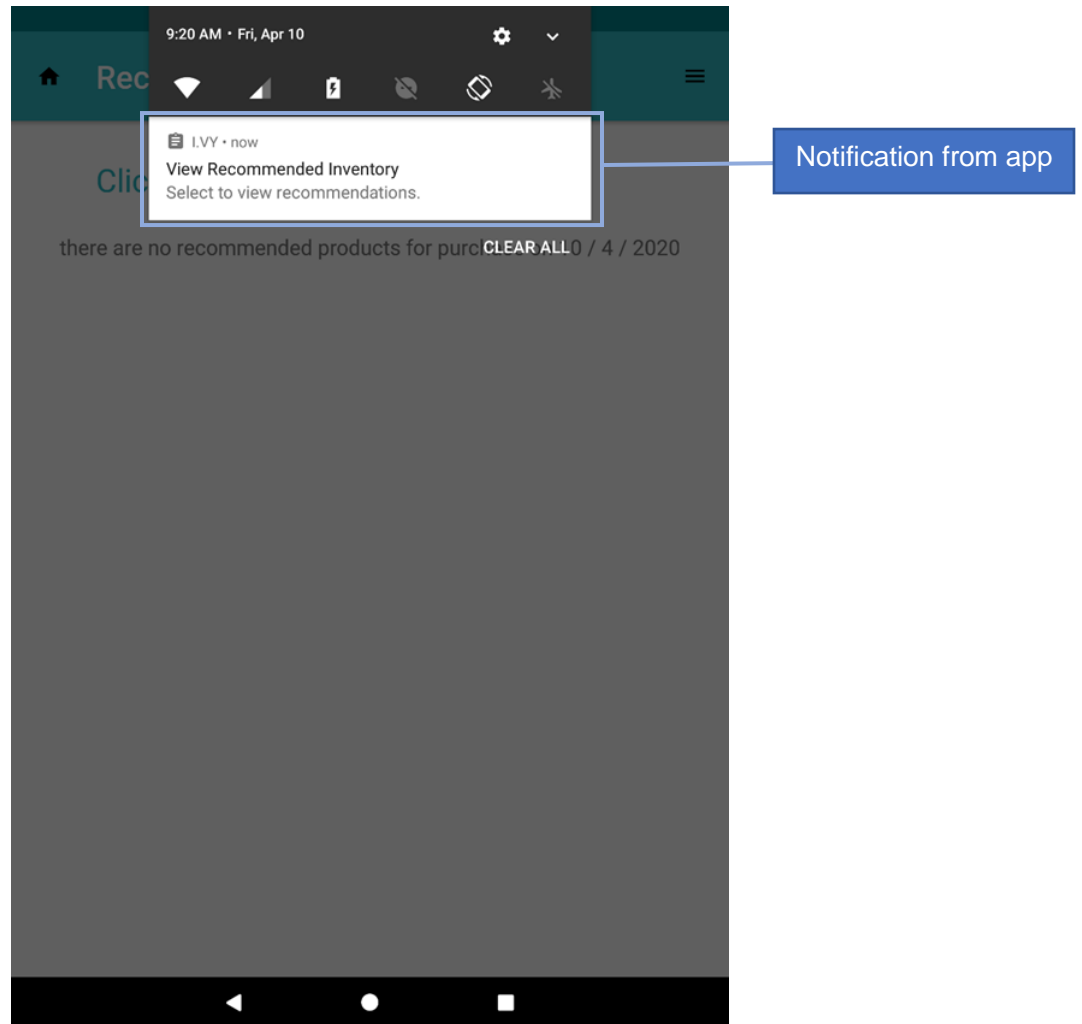
View Recommendations from Notification
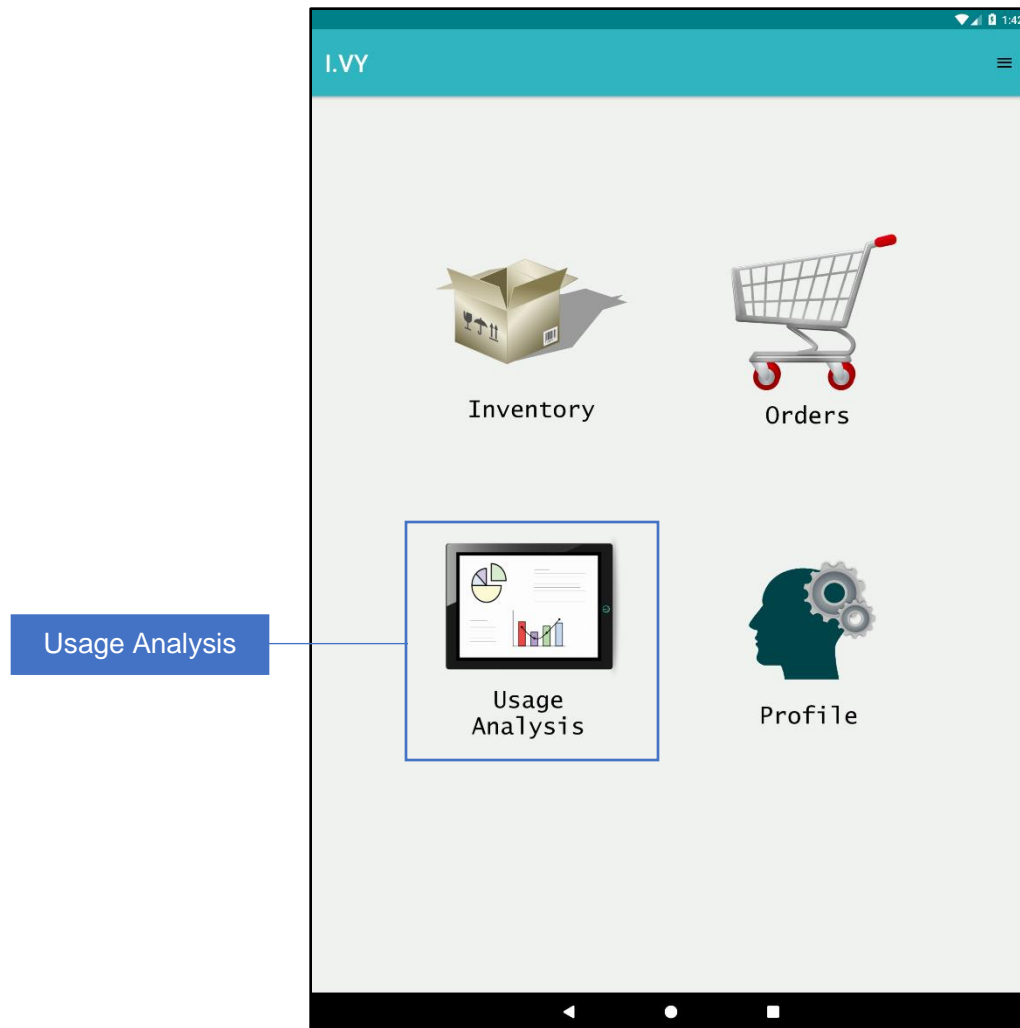
Step 1. Click on notification

- The app sends a notification once a day to remind you to check the recommended
  inventory items for the day. Click on the notification to be redirected to the
  Recommendations screen.

Notification from app

View Usage Analysis

Step 0. Navigate to Usage Analysis screen

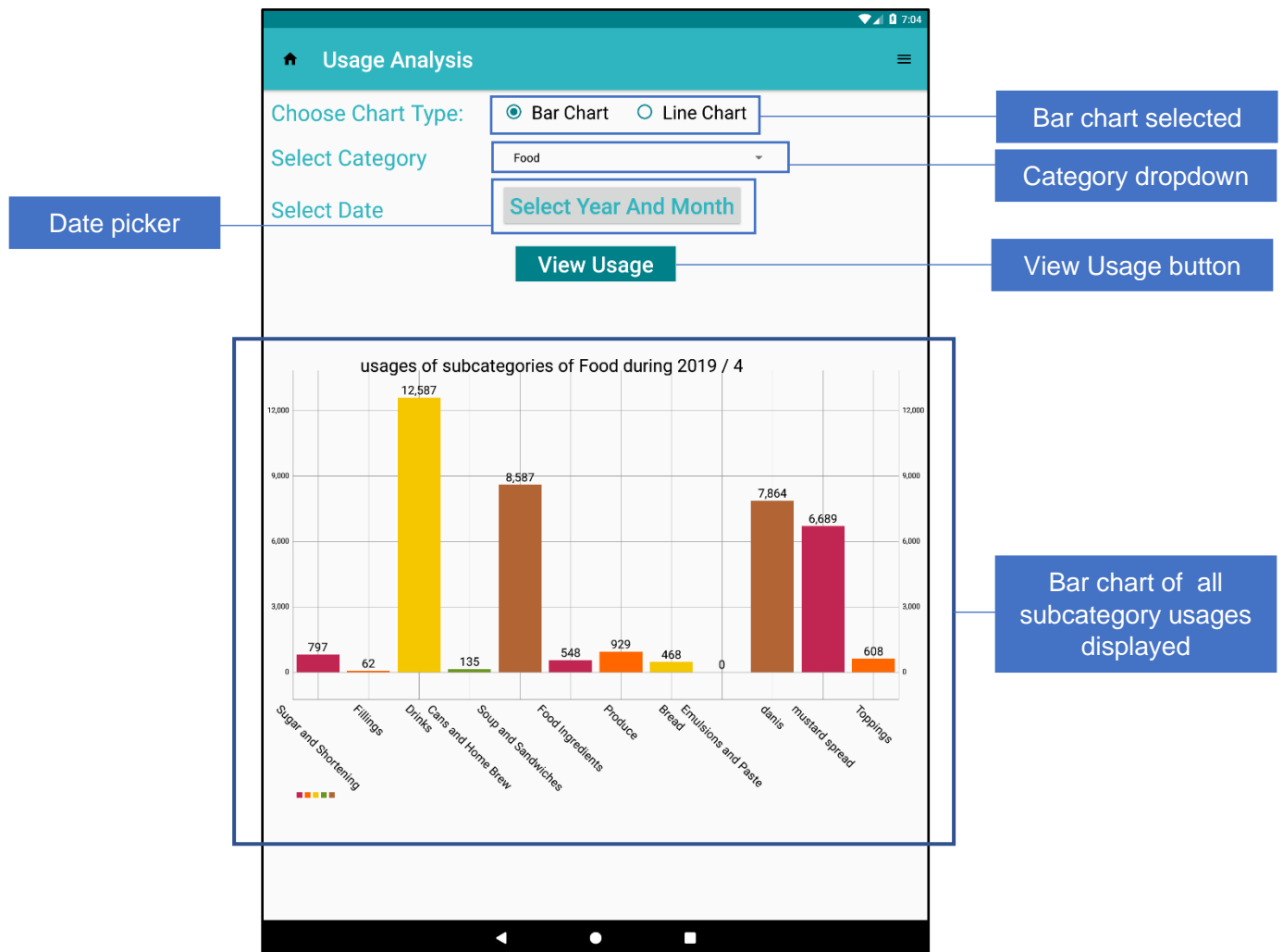   a) Click 'Usage Analysis' on the home screen
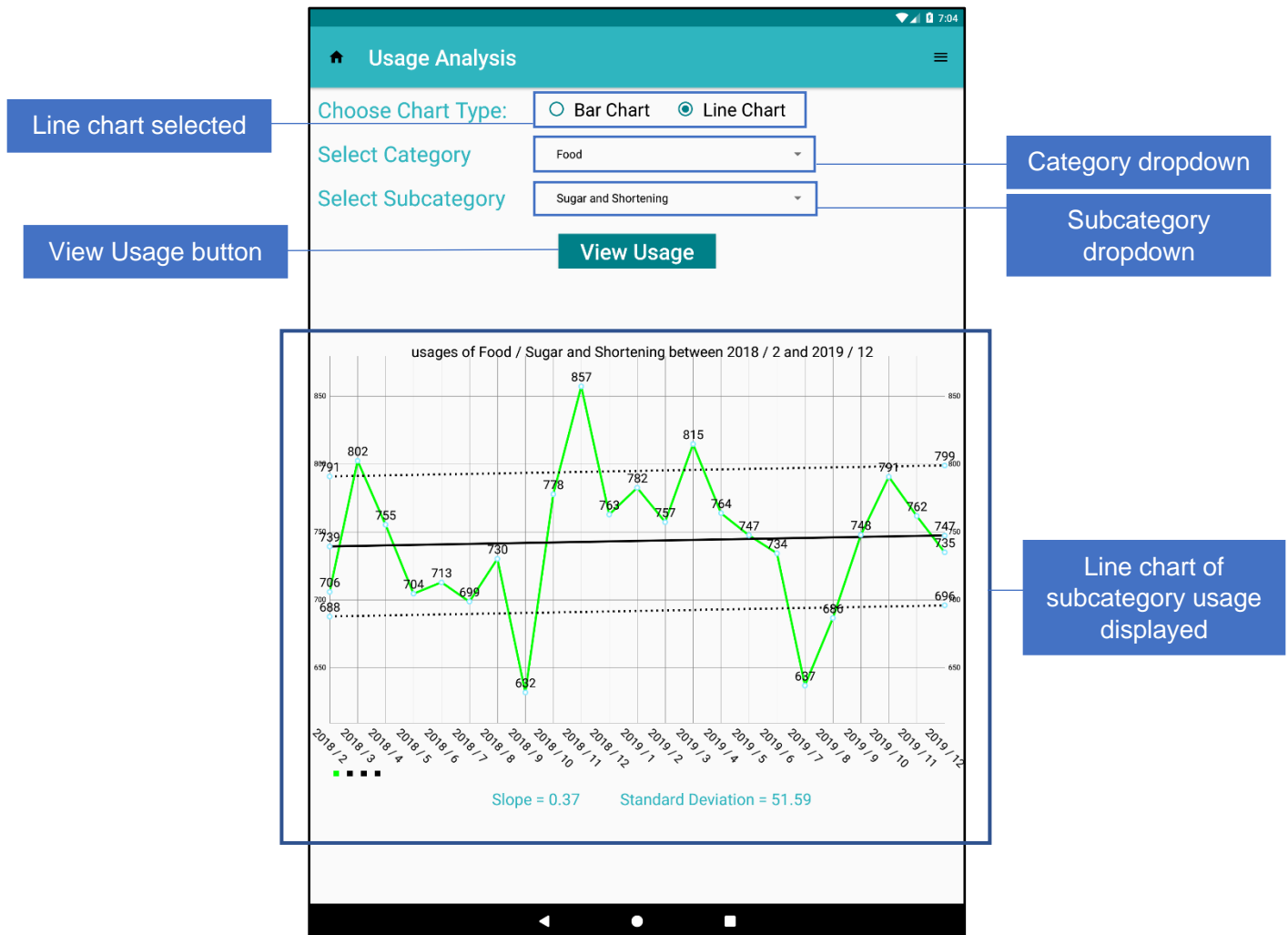
Step 1. Select chart type

    a) Choose your preferred chart type: bar chart or line chart.

Step 2. Fill and submit form

    a) If "Bar Chart" is selected:

        -   Select category

        -   Select date (year and month)

b) If "Line Chart" is selected:

- Select category

- Select subcategory
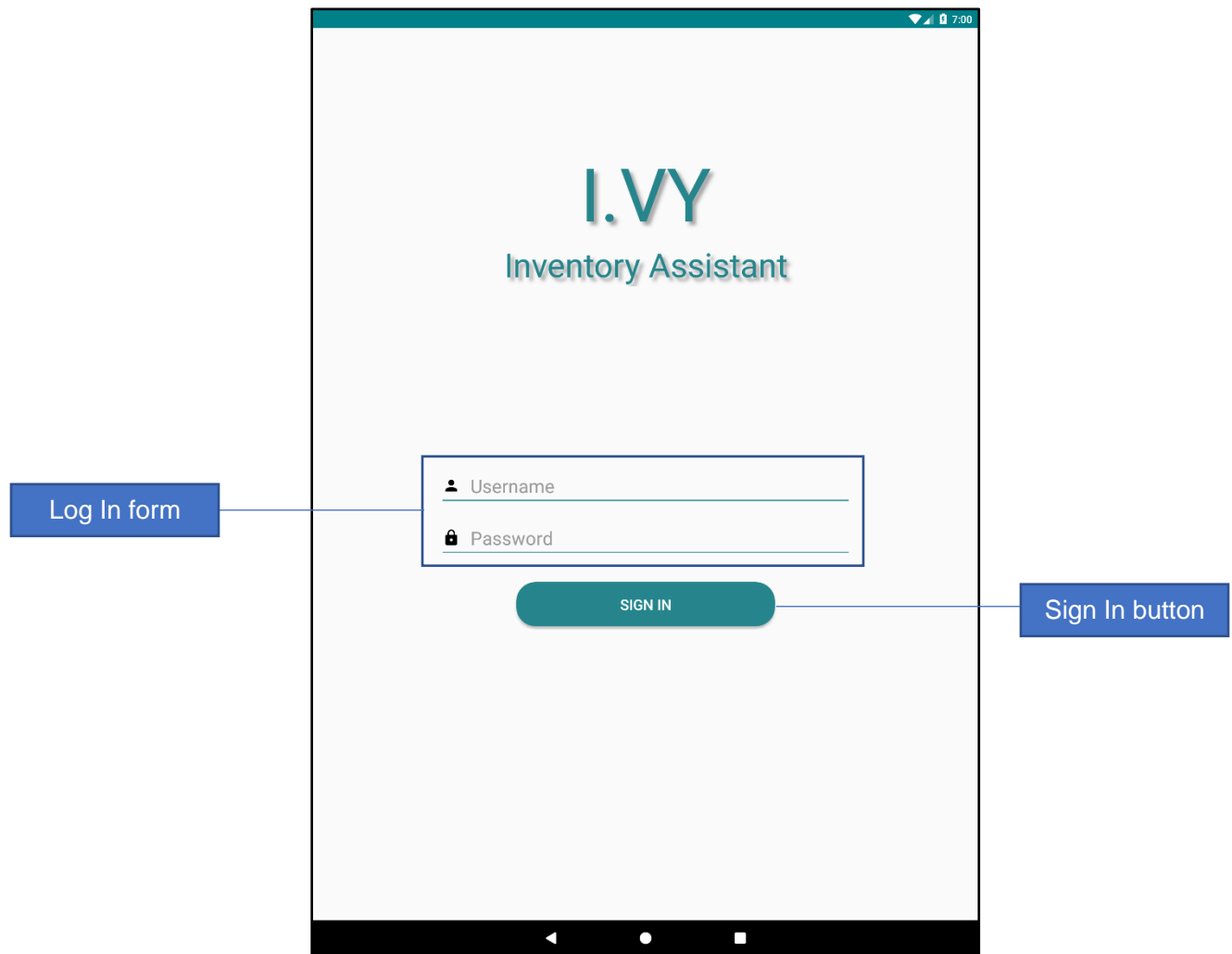
c) Click on 'View Usage' button

Step 3. View chart

a) A chart about the usage analysis for the selected date will be displayed.

Manage Account

Log In

Step 1. Enter user details

  a) Enter assigned username on the appropriate textbox.
  b) Enter your password on the appropriate textbox.

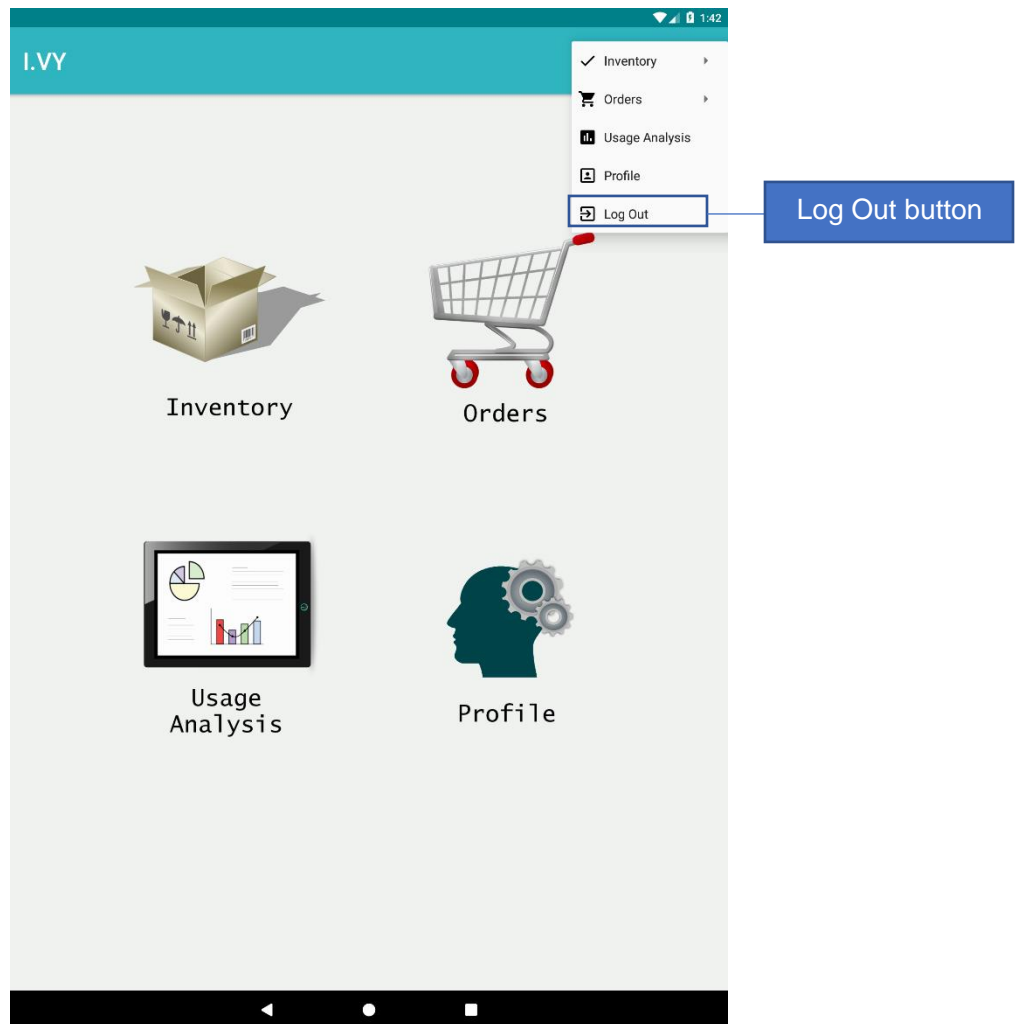
Step 2. Sign In

  a) Click 'Sign In'
  b) If both username and password are correct, you will be redirected to the home screen. An error message will be displayed otherwise.

Log Out

Step 1. Display menu

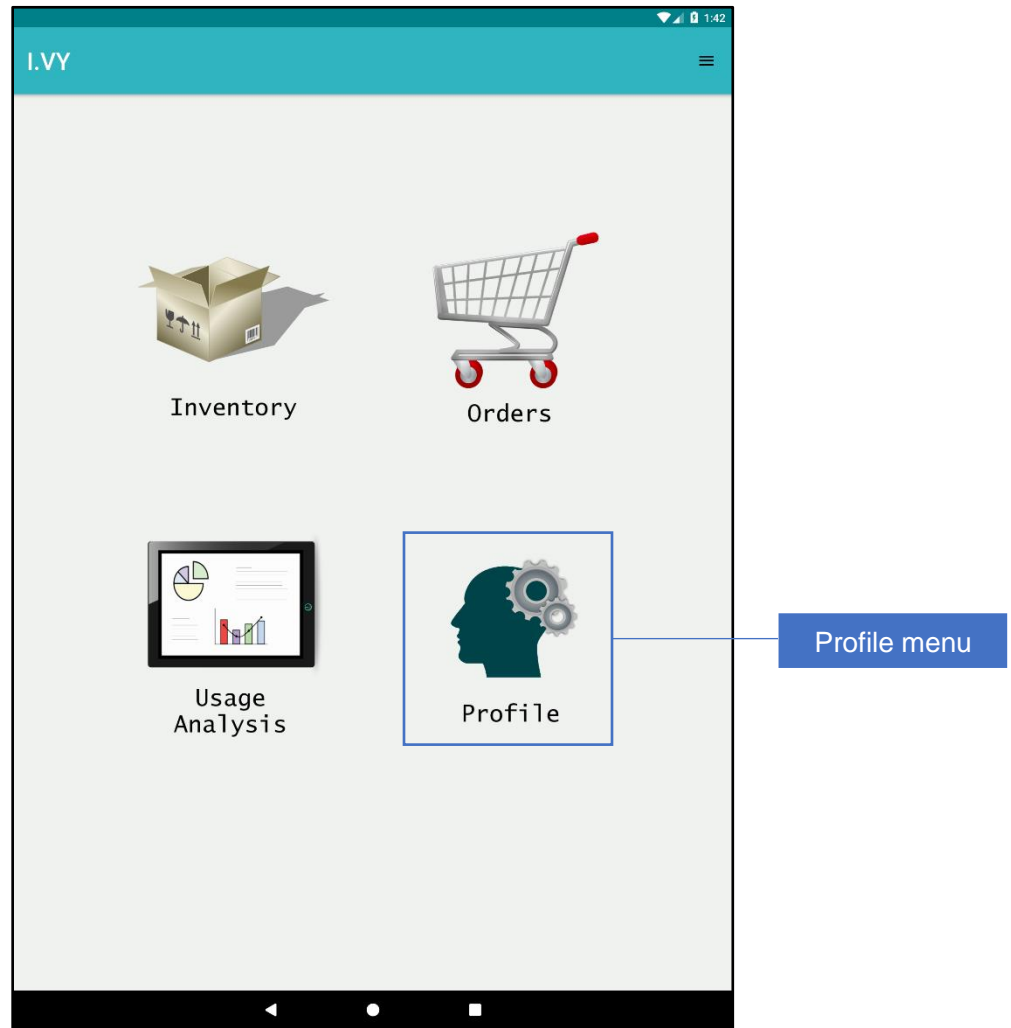   a) Click on the menu icon (☰) to display the menu.

Step 2. Select 'Log Out'

    a)   Select 'Log Out' from the dropdown menu displayed.

    b)   You will be redirected to the Log In screen after logging out.

Change Password

Step 0. Navigate to Change Password screen

a) Click 'Profile' on the home screen

b) Click 'Change Password'

Step 1. Fill and Submit Form

a) Once the form is displayed, enter your old password.
b) Enter the new password on the appropriate textbox. Re-type the new password for confirmation.

Step 2. Save Changes

c) Click on 'Change Password' button to save changes.

Conclusion

This guide mainly discussed how to use the app's features without voice control. In the future, we plan to update it to include an interactive guide that will explain how users can access these features through voice control.

Thank you for reading.