

The background features a large, abstract geometric design on the left side, consisting of a black triangle and a blue triangle. The right side is white with a pattern of light blue and grey hexagons and lines, some containing small blue dots.

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).

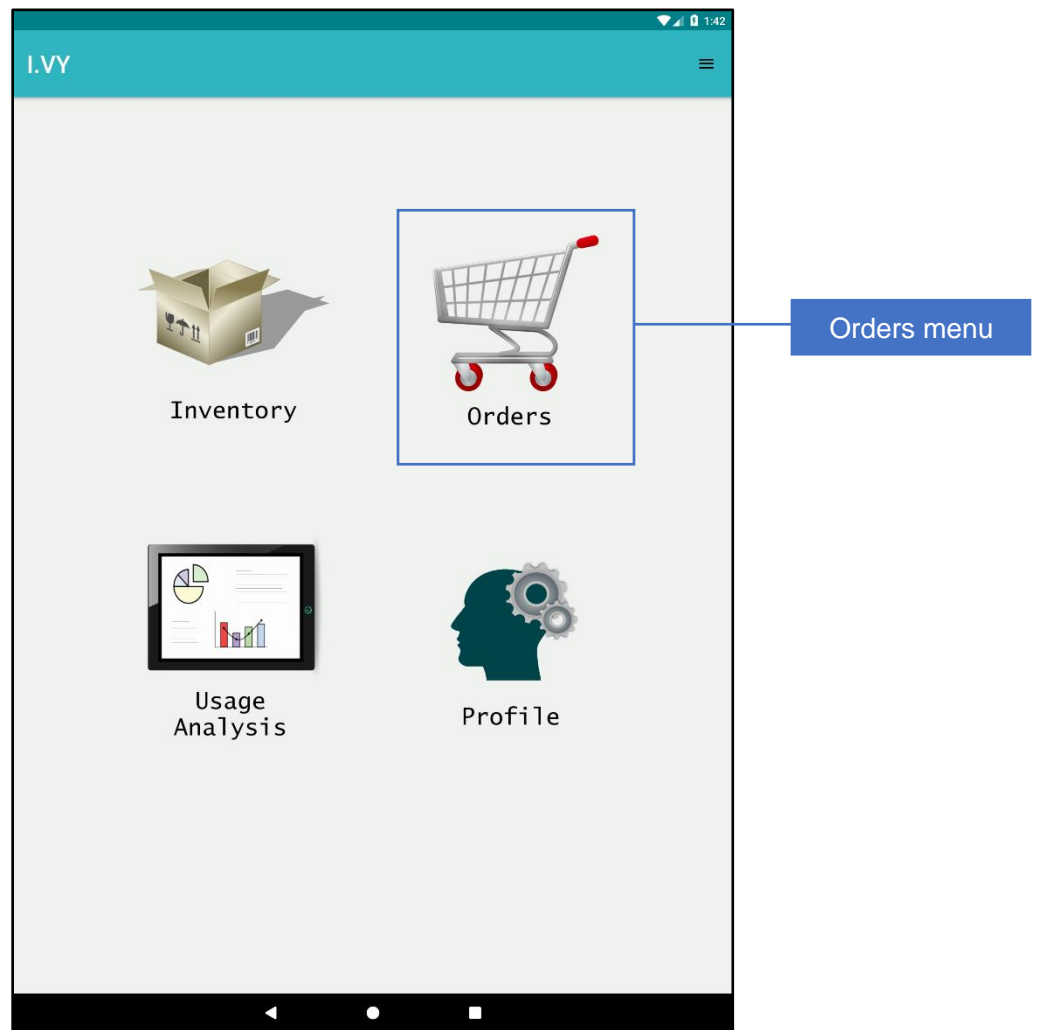
You can also raise an issue on the app's public repository at:
<https://github.com/lhernandez1848/Capstone>

Features

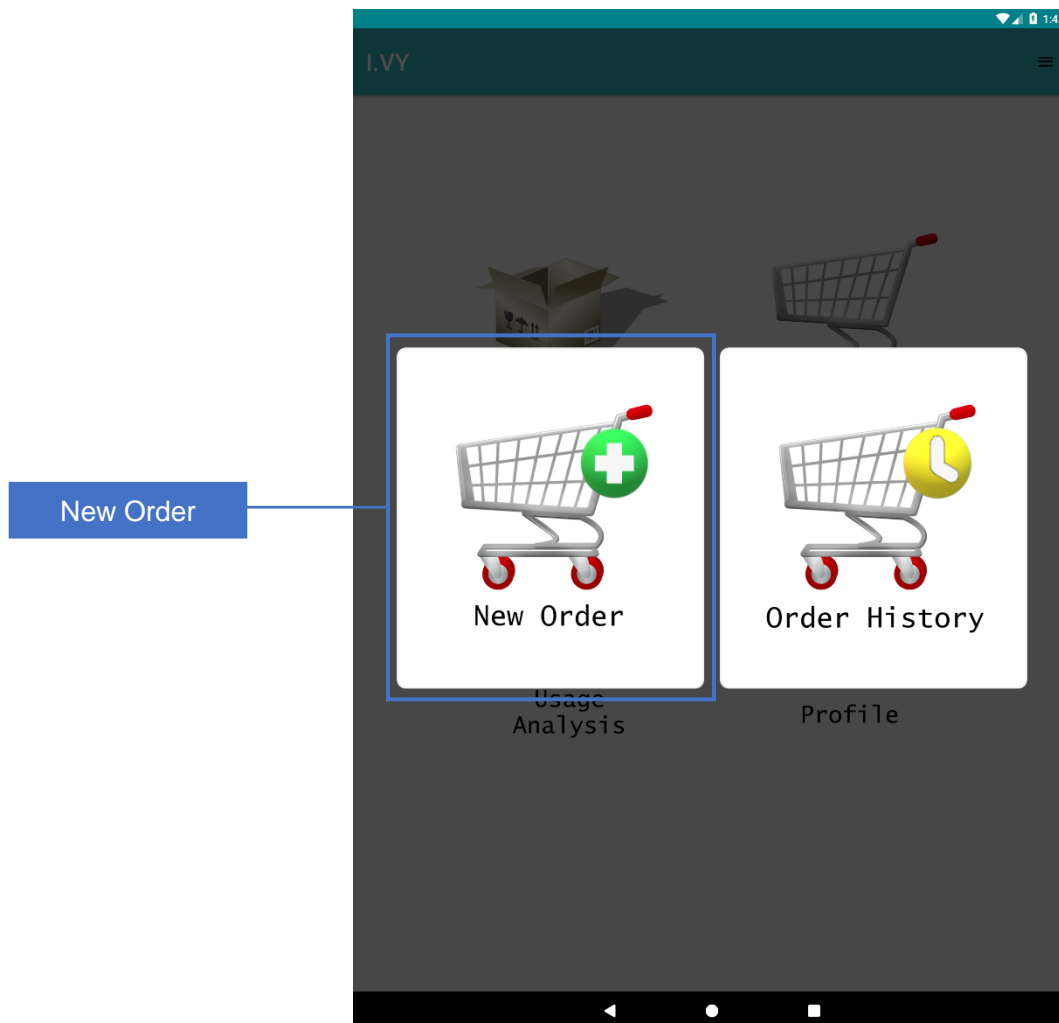
Create Order

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.

The screenshot shows a mobile application interface for creating a new order. At the top, there is a teal header bar with a home icon, the text 'Create Order', and a menu icon. Below the header, the title 'New Order' is displayed in teal. The 'Date' is set to 'April 11, 2020' and the 'Store Number' is '1'. Below this, there are two radio buttons: 'Select from List' (which is selected) and 'Search Product'. The main content area is divided into several sections: 'Food' (teal header), 'Sugar and Shortening' (light blue header), a table of sugar products, 'Fillings' (light blue header), 'Drinks' (light blue header), 'Cans and Home Brew' (light blue header), and 'Soup and Sandwiches' (light blue header). At the bottom, there is a light gray bar with a button labeled 'PROCEED TO CHECKOUT'. A blue callout box with the text 'Proceed to Checkout button' points to this button.

Food		
Sugar and Shortening		
Granulated Sugar (20KG)	\$19.18	Qty: 0.0
Sugar Packets	\$18.89	Qty: 0.0
Splenda	\$22.69	Qty: 0.0
Brownulated Sugar	\$17.77	Qty: 0.0
Powder Sugar	\$15.09	Qty: 0.0
Sugar Packets	\$18.97	Qty: 0.0

Fillings

Drinks

Cans and Home Brew

Soup and Sandwiches

PROCEED TO CHECKOUT

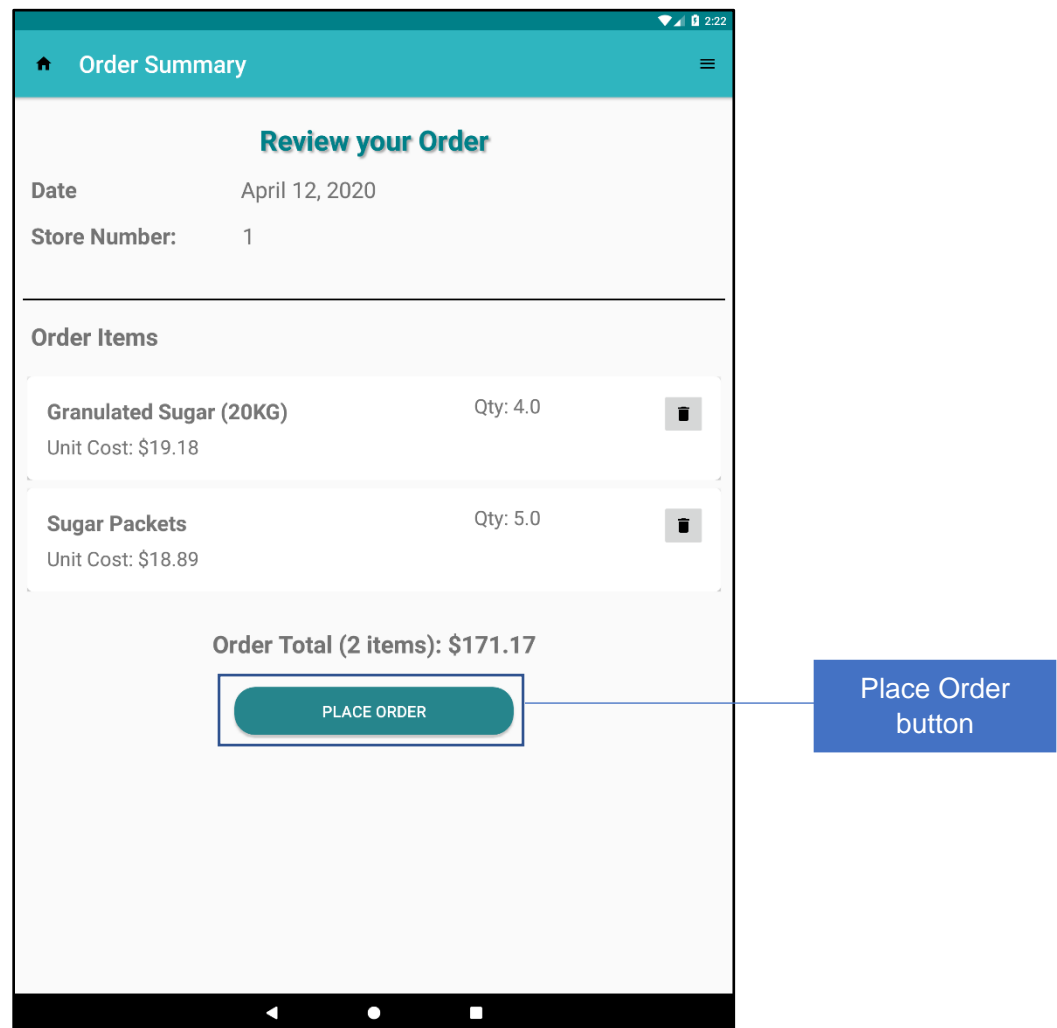
Proceed to Checkout
button

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

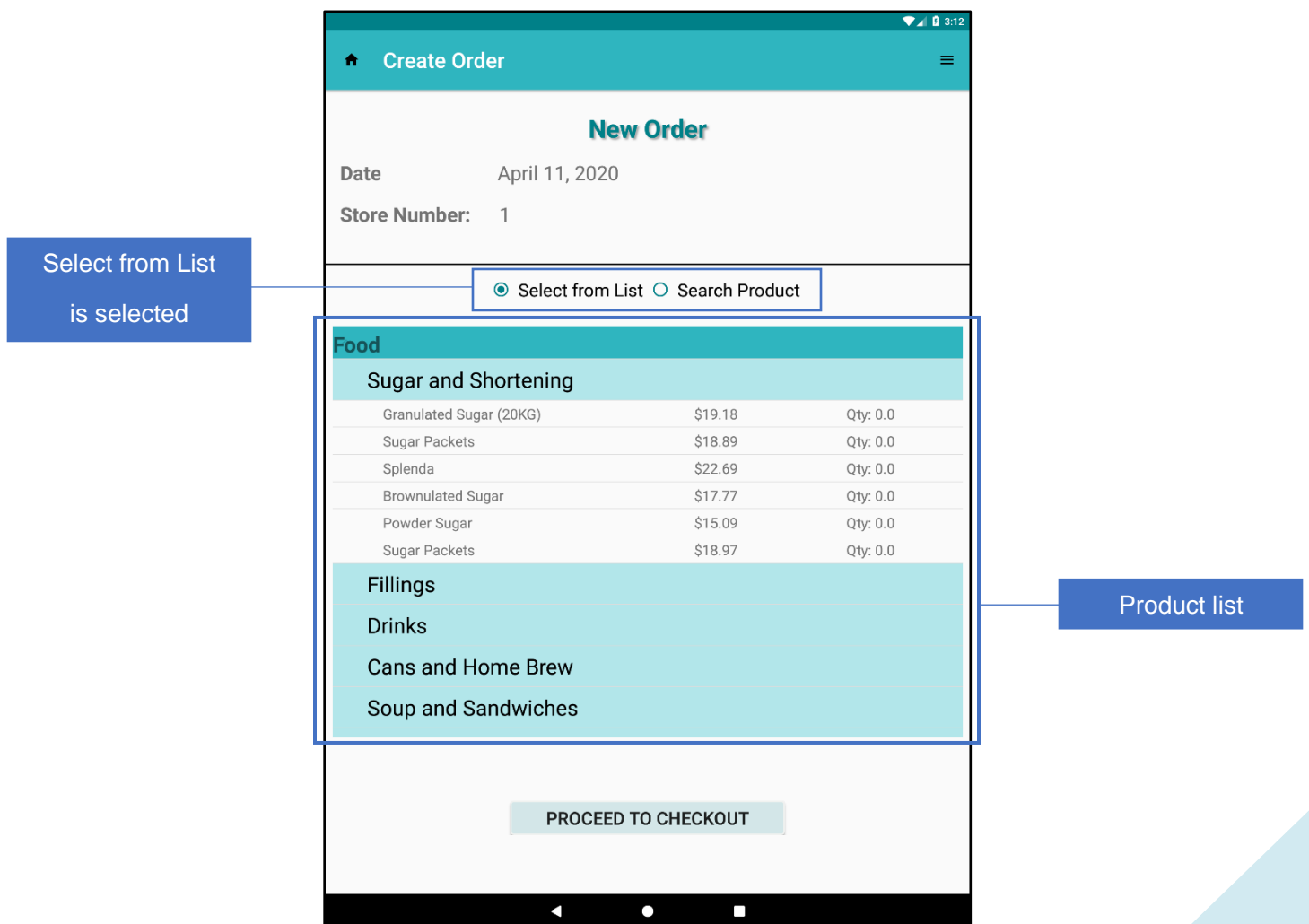
Step 1. Select Product

- 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

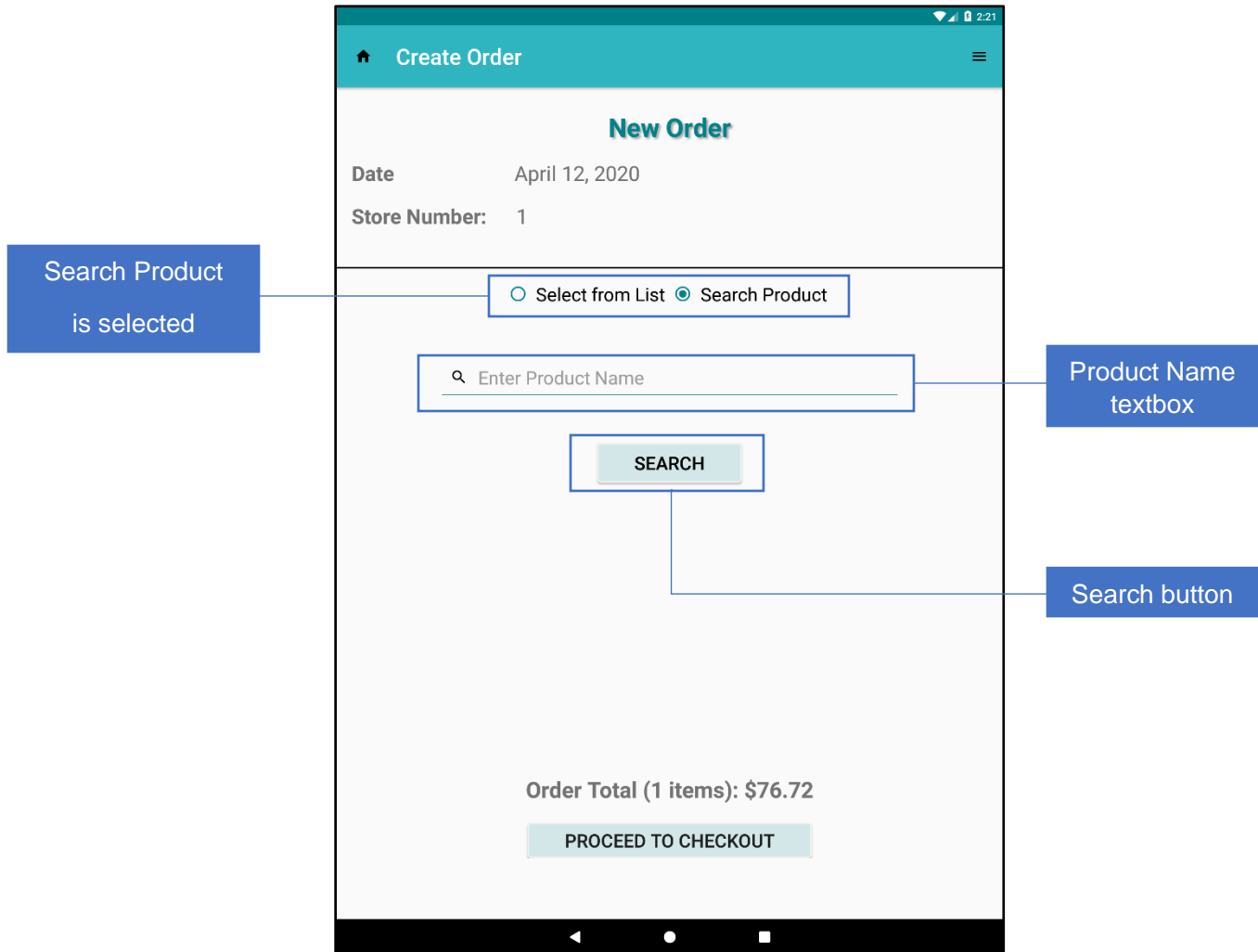
Once the product list is displayed:

- Select category
- Select subcategory
- Select product



B. Search Product

- Enter product name or product ID on the textbox.
- Click 'Search' button



- Select product from the results

Search results

Create Order

New Order

Date April 12, 2020

Store Number: 1

Select from List

☒ Search Product

Enter Product Name

SEARCH

Granulated Sugar (20KG)	\$19.18	Qty: 4.0
Sugar Packets	\$18.89	Qty: 0.0
Brownulated Sugar	\$17.77	Qty: 0.0
Powder Sugar	\$15.09	Qty: 0.0
Sugar Packets	\$18.97	Qty: 0.0
Cane Sugar Syrup	\$34.6	Qty: 0.0

Order Total (1 items): \$76.72

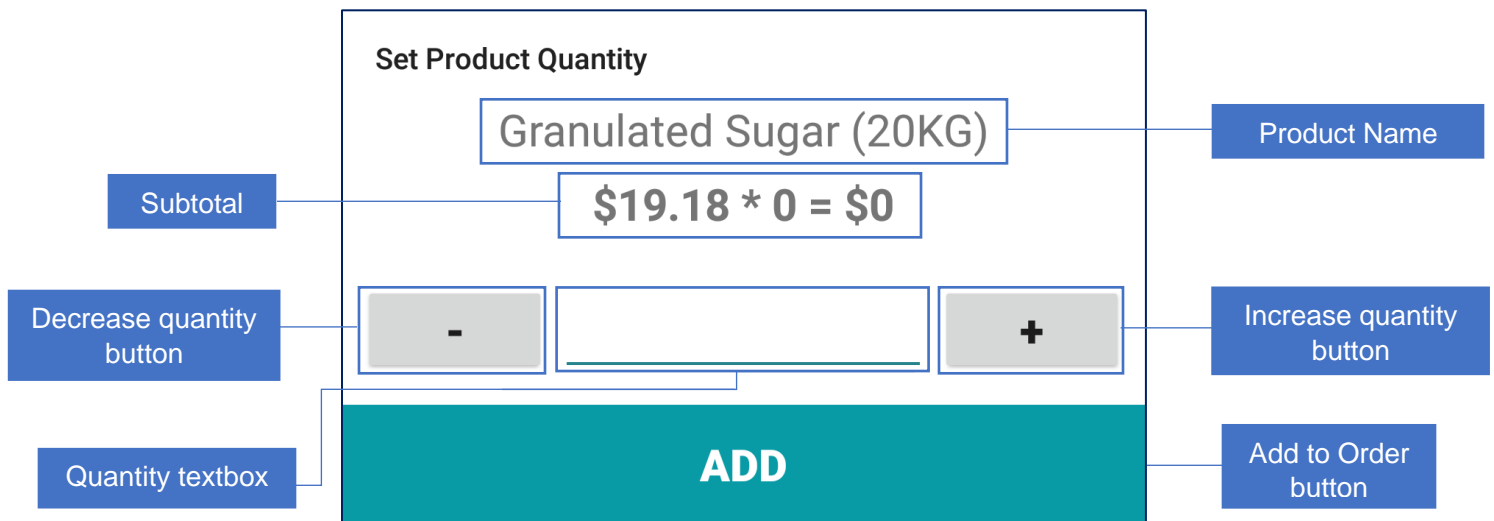
PROCEED TO CHECKOUT

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

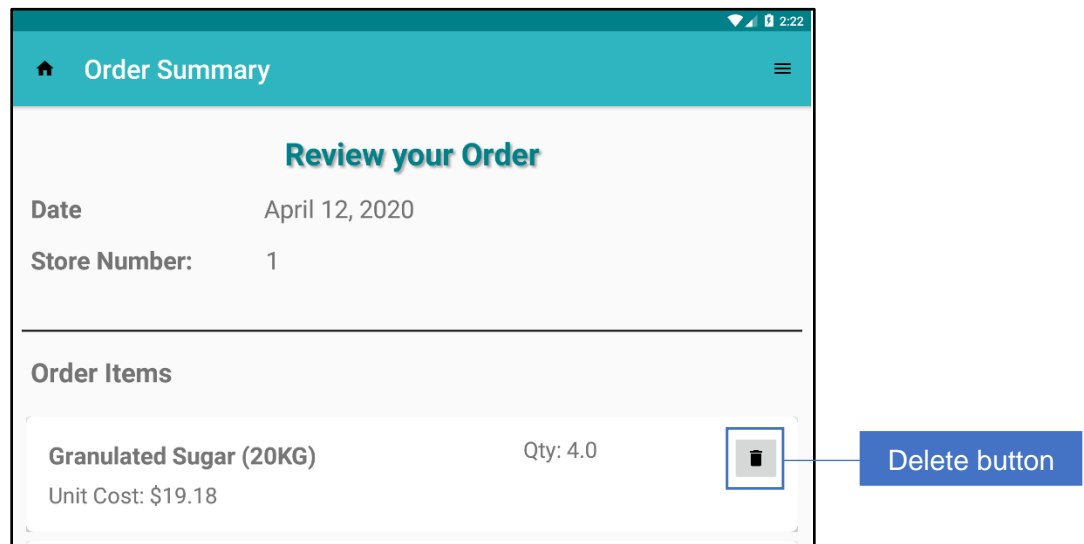
- a) Click on the 'Add' button to add the product to your order.



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.



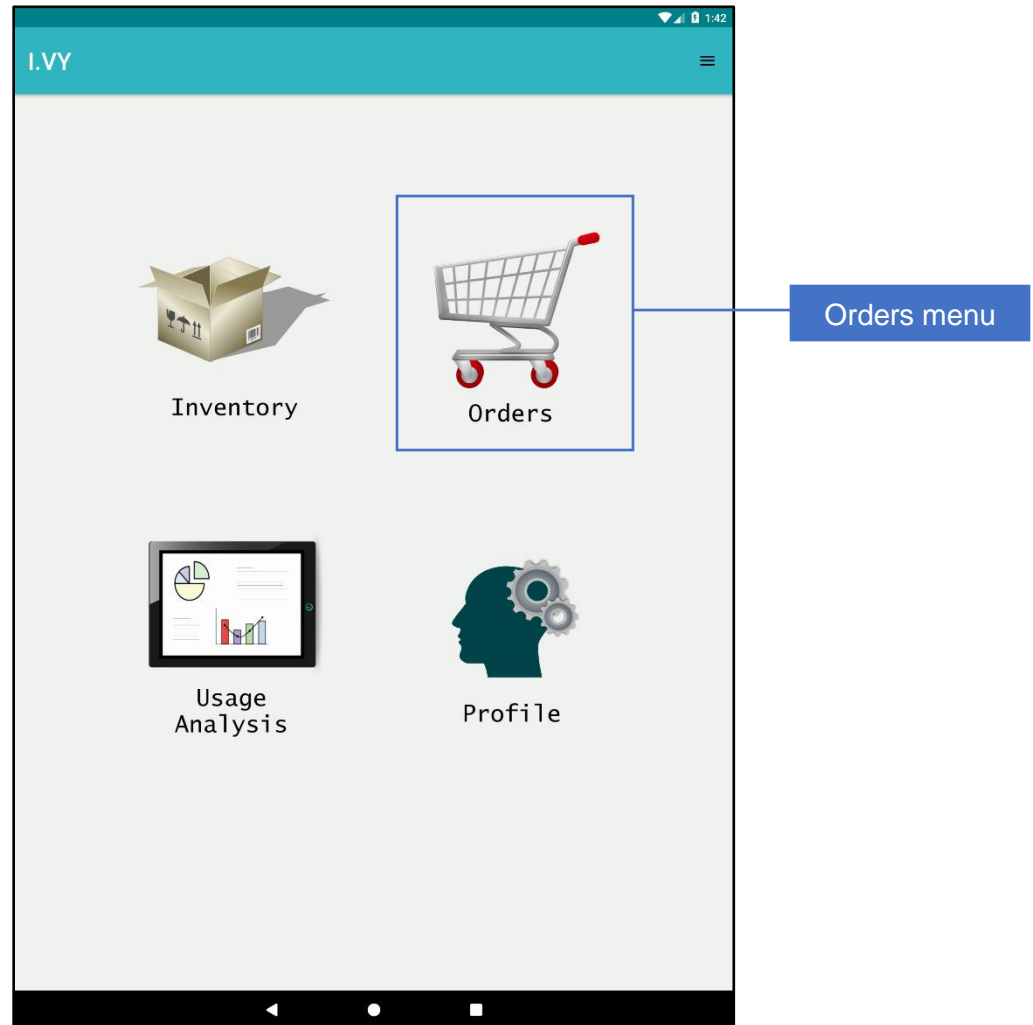
Step 2. Confirm delete

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

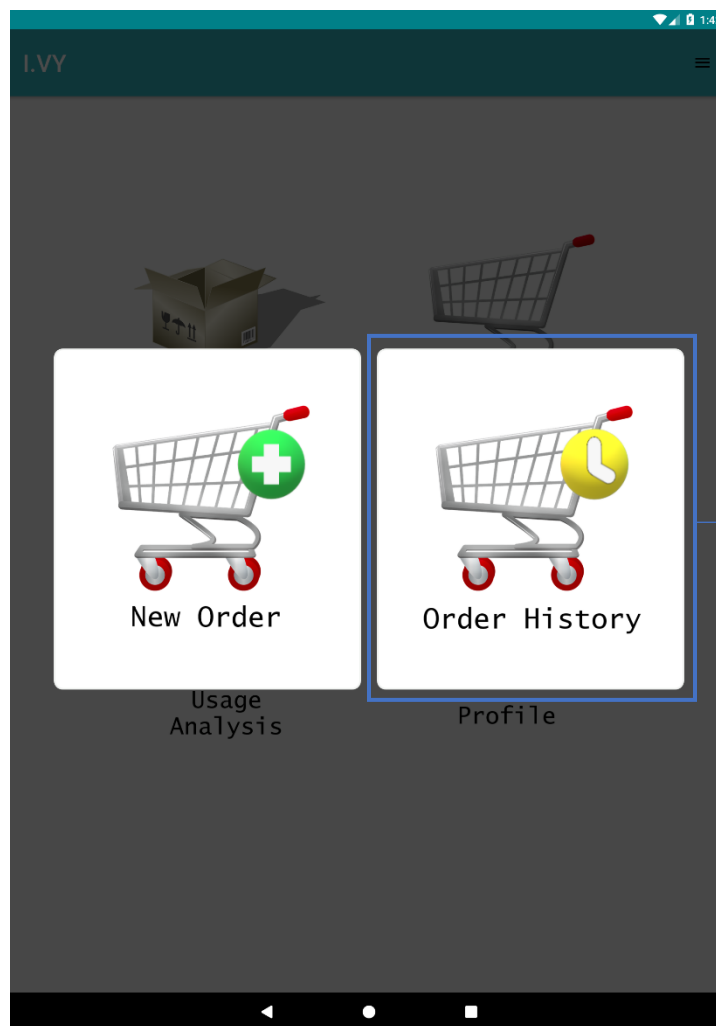
Track Order

Step 0: Navigate to Track Order screen

- a) Click 'Orders' on the home screen.

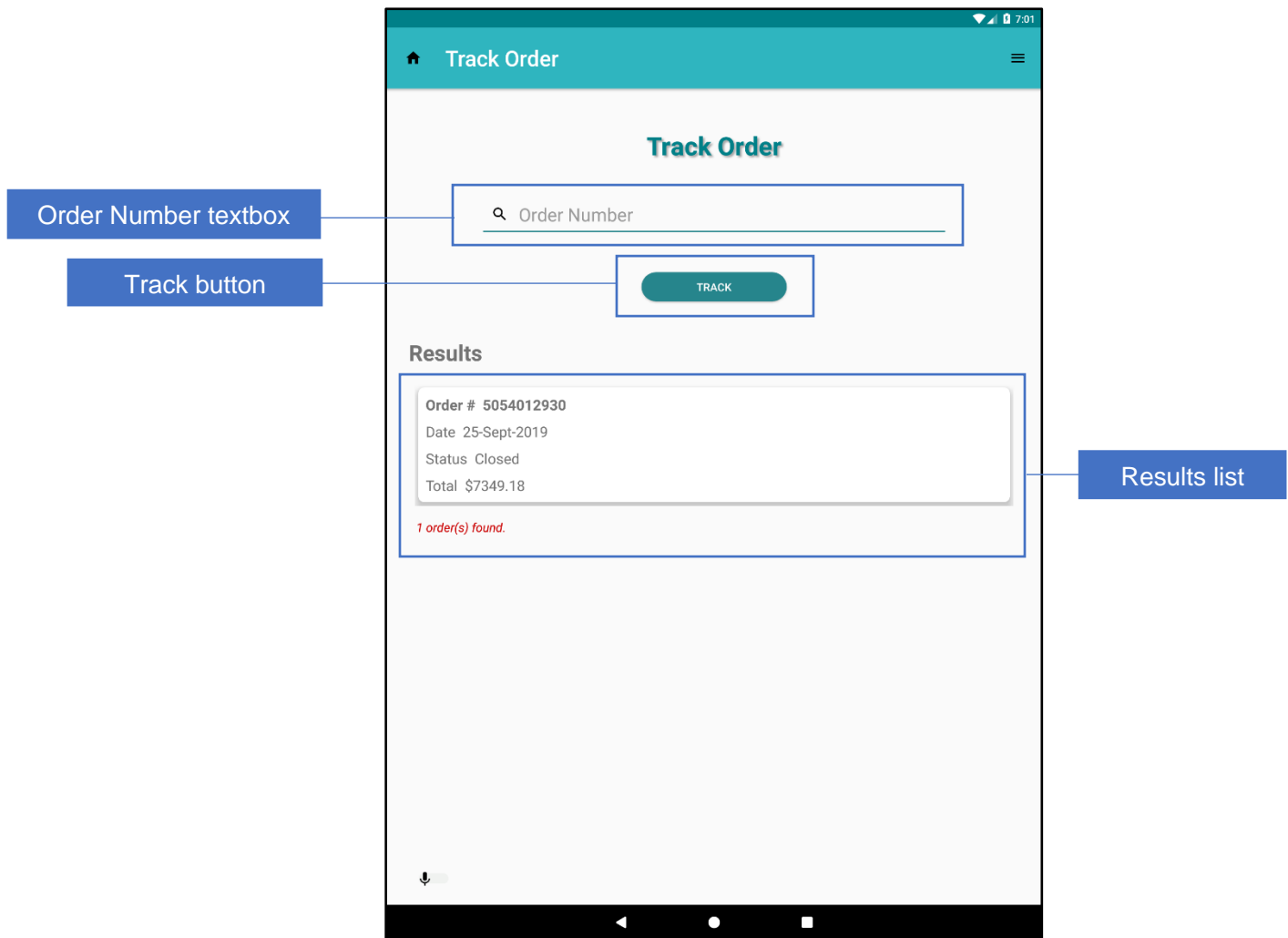


b) Click 'Order History' on the Order pop-up menu.



Step 1: Enter order number

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

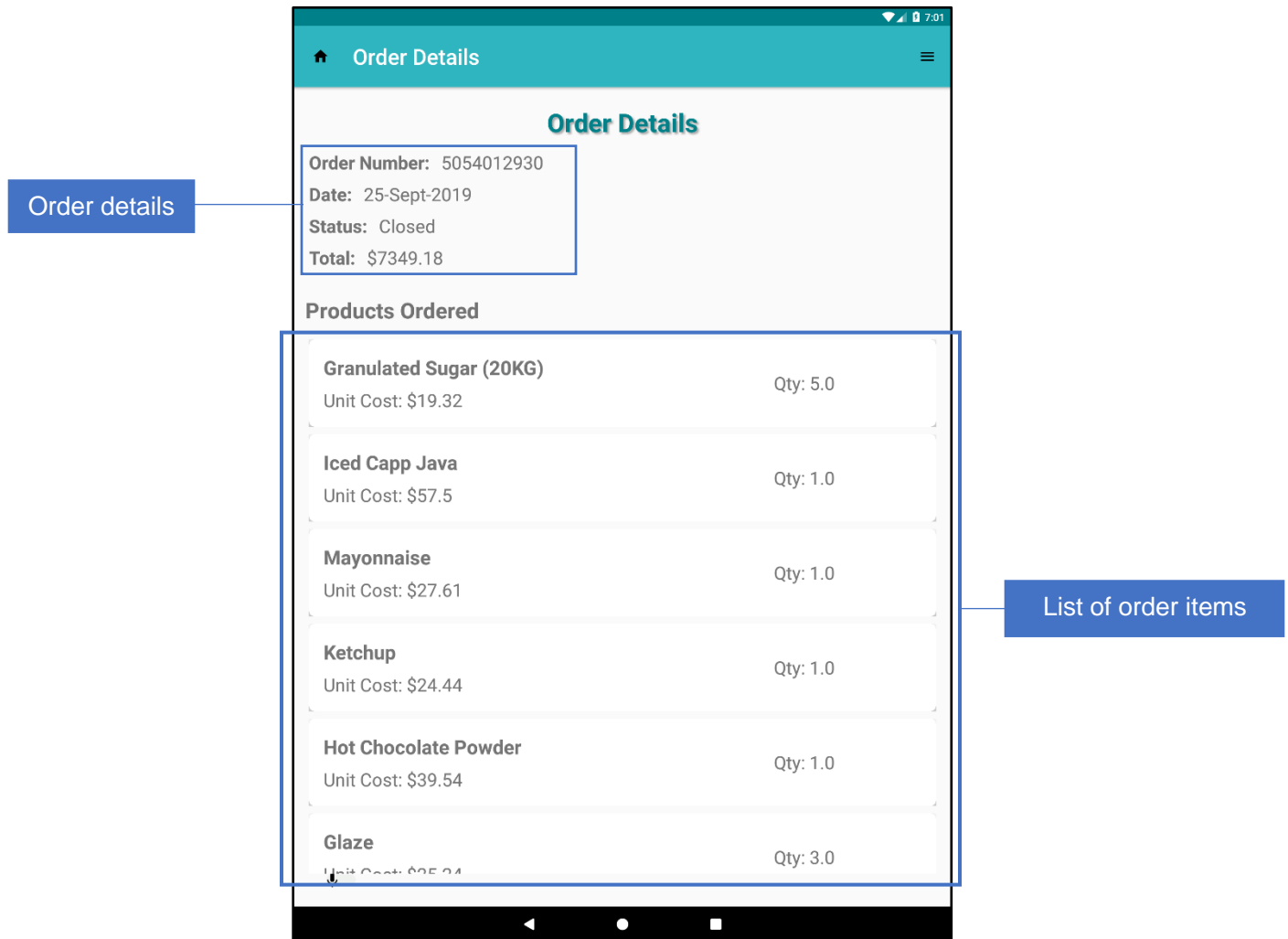


Step 2: Select from search results

- a) Select an order from the search results.

Step 3: View order details

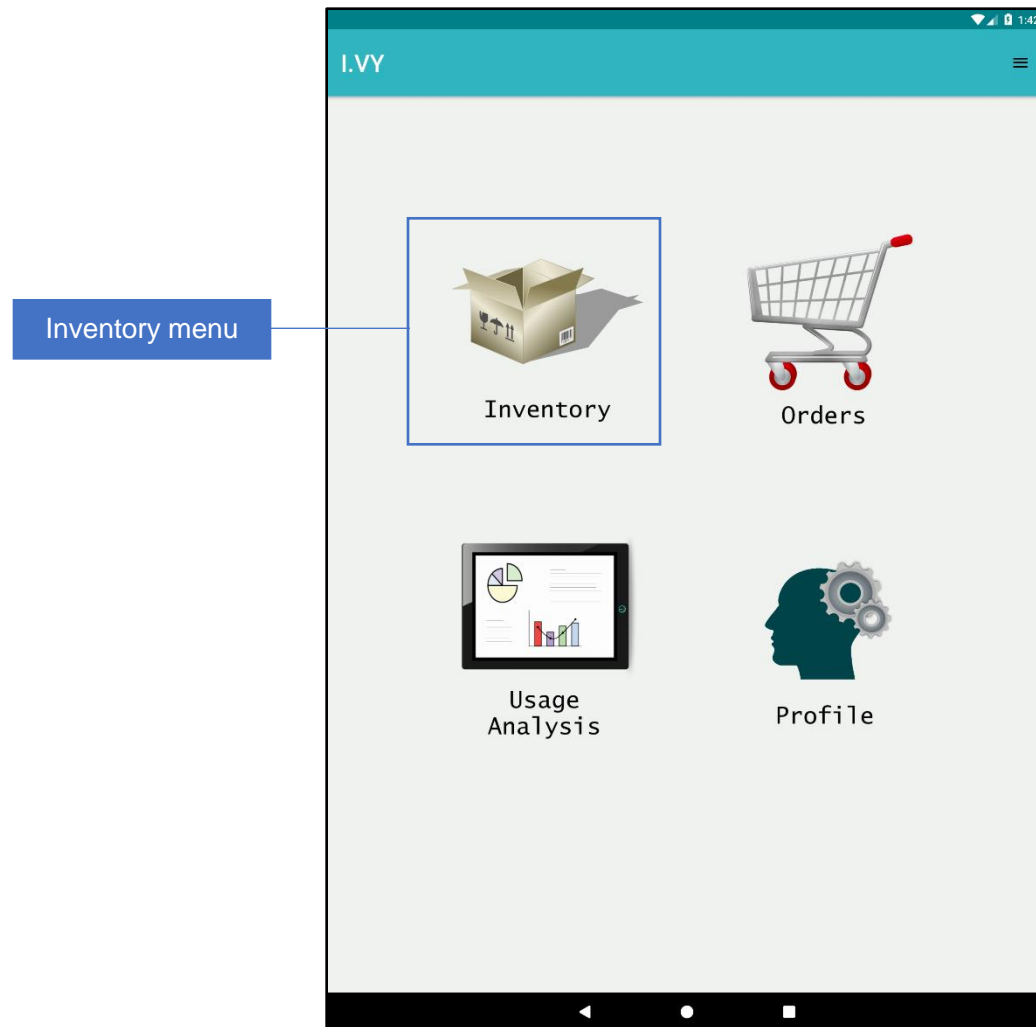
- b) Scroll through list to view all the products ordered.



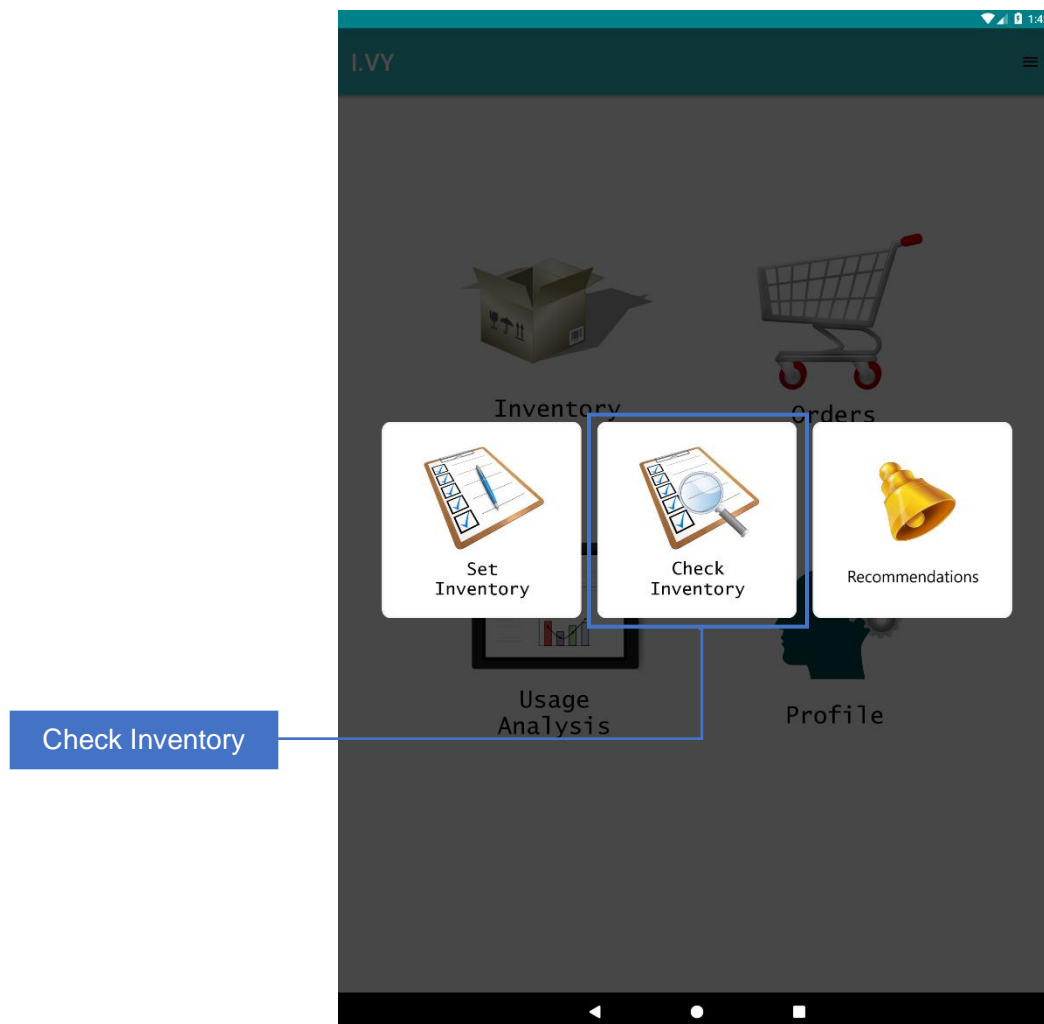
Check Inventory

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.

The screenshot shows the 'Check Inventory' screen. At the top, there is a header with a home icon and the title 'Check Inventory'. Below the header, there is a 'Date' field with a date picker set to '14/11/2019'. To the right of the date field is a 'Sort By' section with two radio buttons: 'Value' (selected) and 'Proportion'. Below the 'Sort By' section is a 'CHECK INVENTORY' button. Below the button is a list of inventory items with their values. The list is expanded, showing the following items and values:

Food	\$9,237.93
N/A	\$30.71
Paper	\$2,721.34
Paper - Other Packaging	\$1,038.68
Hot Drink Cups	\$1,319.67
Iced Beverage Cups/Lids	\$363
Advertising	\$0
Cleaning	\$313.97
Miscellaneous	\$53.24
Uniforms	\$9.06
inventory	\$1,001.06

Below the list, there is a total value: 'Total Inventory Value: \$31,498.06'. The screen is annotated with callouts: 'Date picker' points to the date field, 'Value option selected' points to the 'Value' radio button, 'Check Inventory button' points to the 'CHECK INVENTORY' button, and 'Product list with inventory value' points to the list of items.

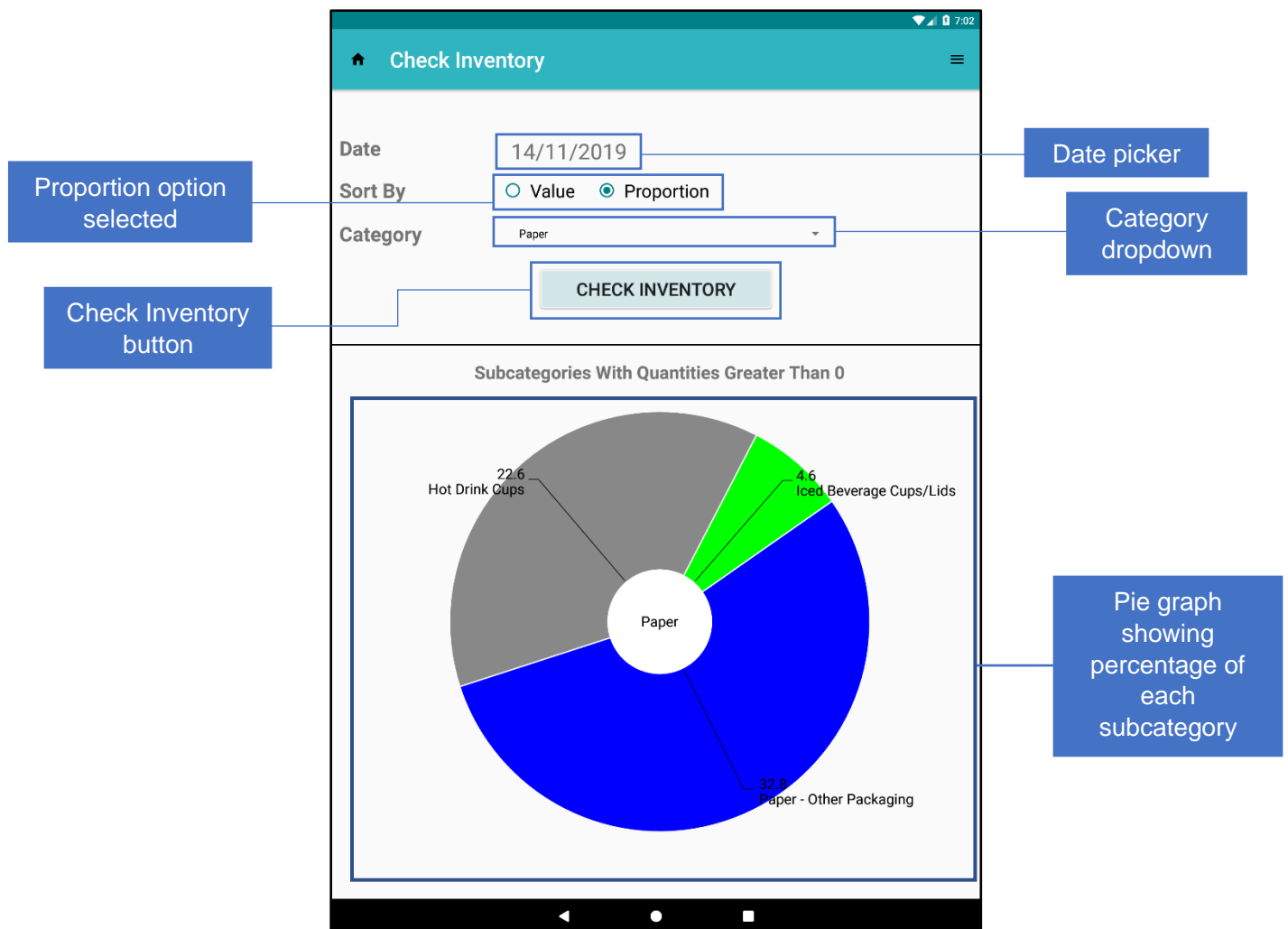
If you selected the “Proportion” option:

Step 2. Fill and submit form

- a) Select date
- b) Select category
- c) Click on ‘Check Inventory’

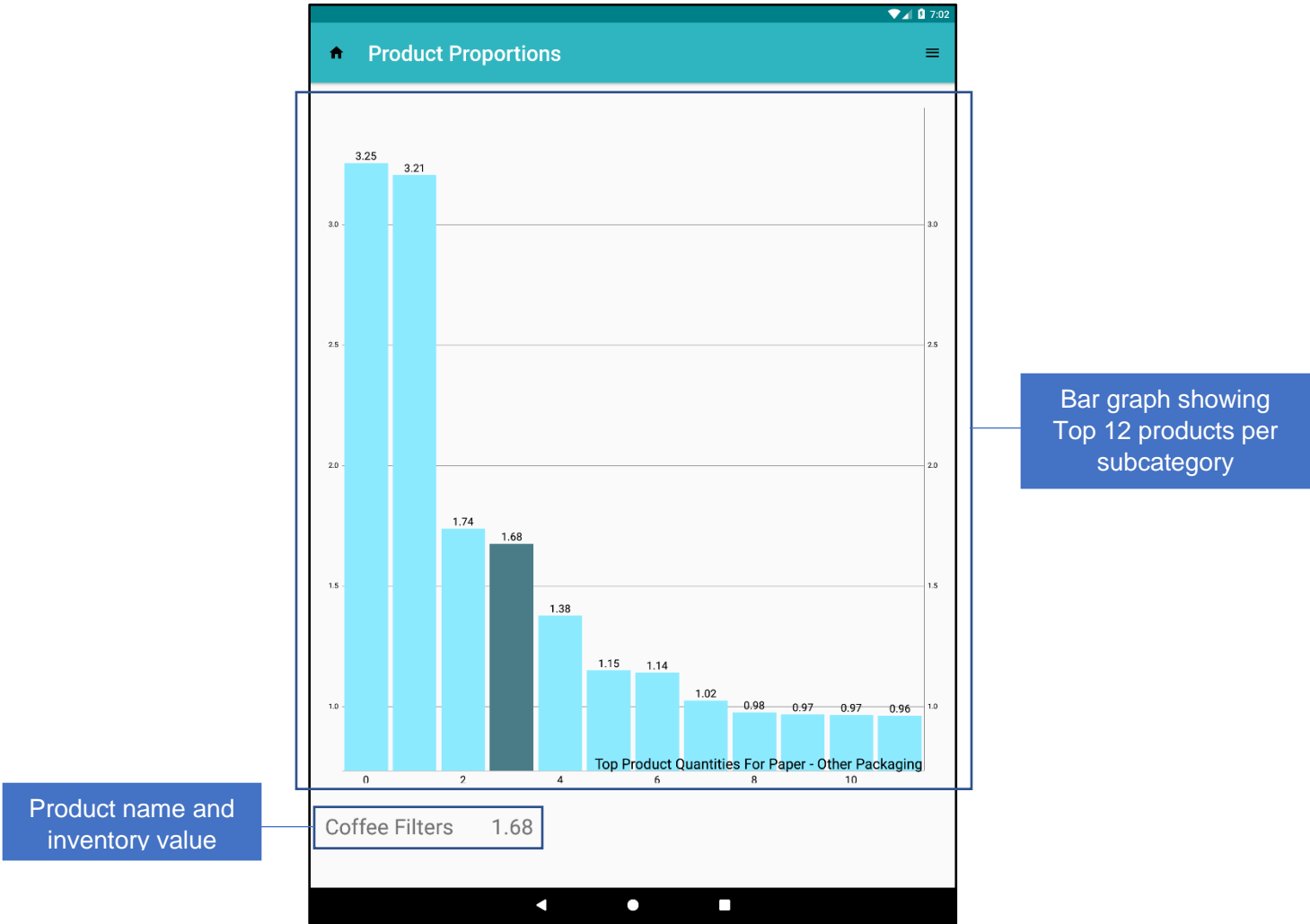
Step 3. View Inventory Details for Category

- 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

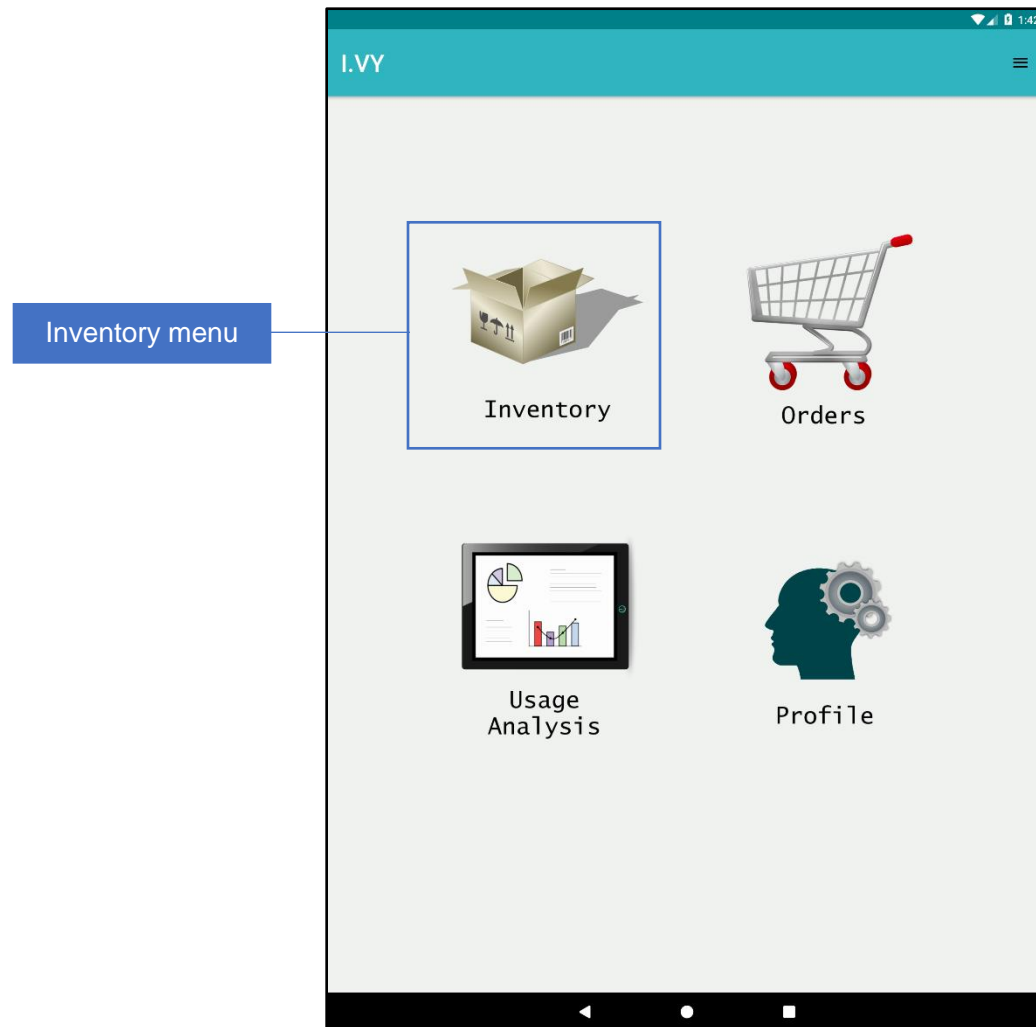
- a) To view the inventory count of each product per subcategory, click on the specific slice on the graph.
- b) A bar graph for the Top 12 products will be displayed. Click on a bar to view the product's name and inventory count.



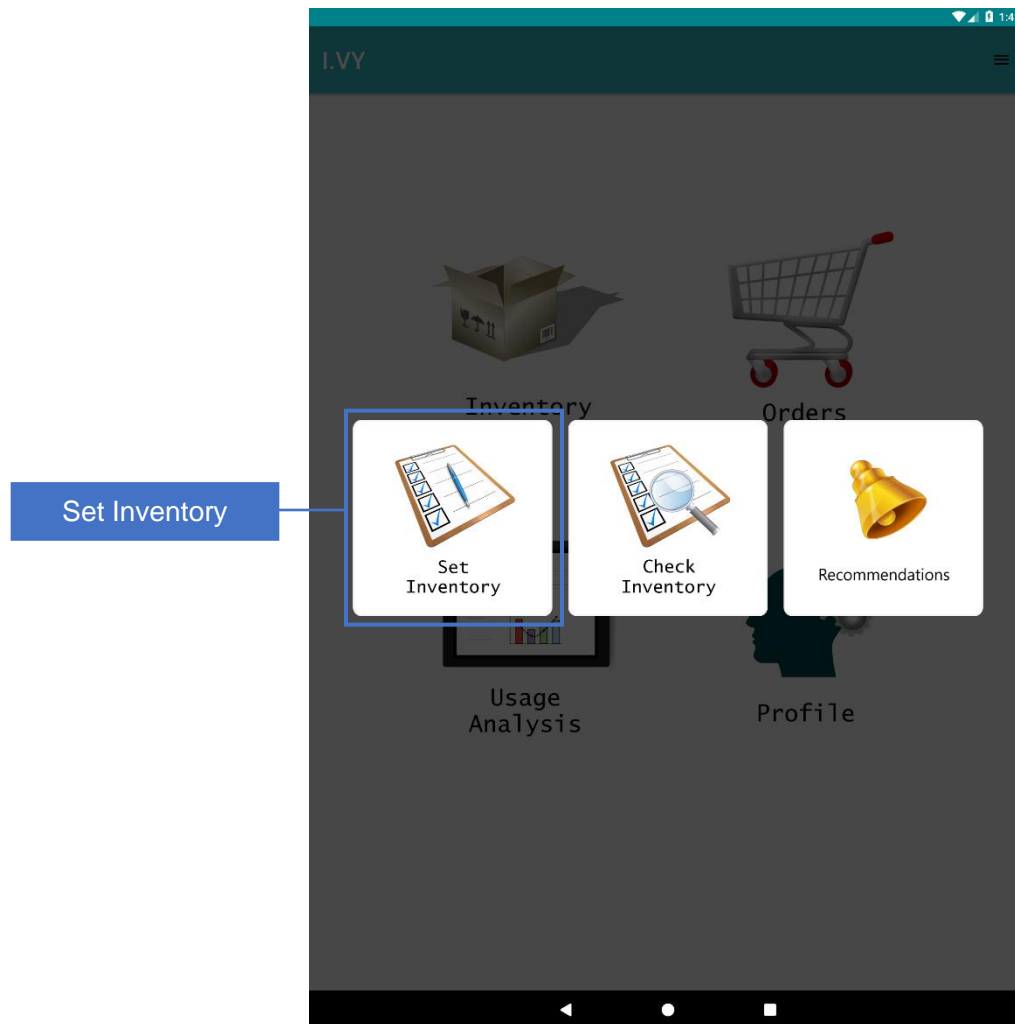
Set Inventory

Step 0: Navigate to Set Inventory screen

- a) Click 'Inventory' on the home screen

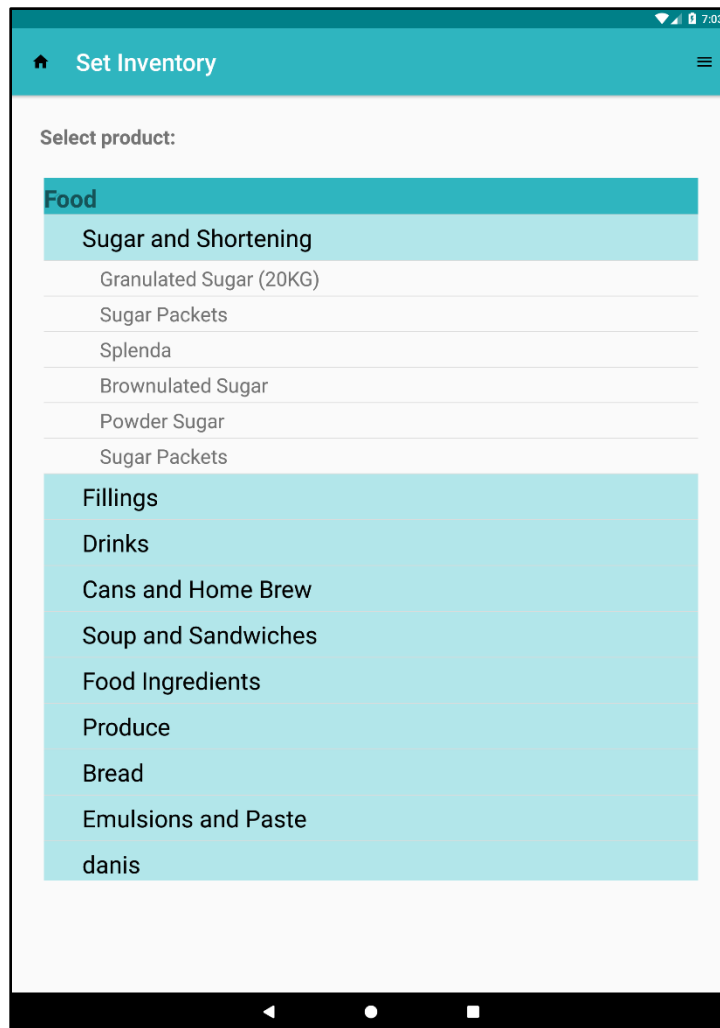


b) Click 'Set Inventory' on the Inventory pop-up menu



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.

The diagram illustrates the 'Set Inventory Count' dialog box for 'Granulated Sugar (20KG)'. The dialog box is titled 'Set Inventory Count' and contains the following elements:

- Product details:** A box containing the product name 'Granulated Sugar (20KG)', the 'Last Inventory Count: 1.000 (14-Apr-2020)', and the 'Par Level: 3.879'.
- Quantity input:** A central text box labeled 'Quantity' flanked by two buttons: a minus sign (-) on the left and a plus sign (+) on the right.
- Save button:** A large teal button at the bottom labeled 'SAVE'.

Callouts point to the following components:

- Decrease quantity button:** Points to the minus sign (-) button.
- Product details:** Points to the box containing the product name and inventory details.
- Increase quantity button:** Points to the plus sign (+) button.
- Quantity textbox:** Points to the central 'Quantity' text box.
- Save button:** Points to the large teal 'SAVE' button.

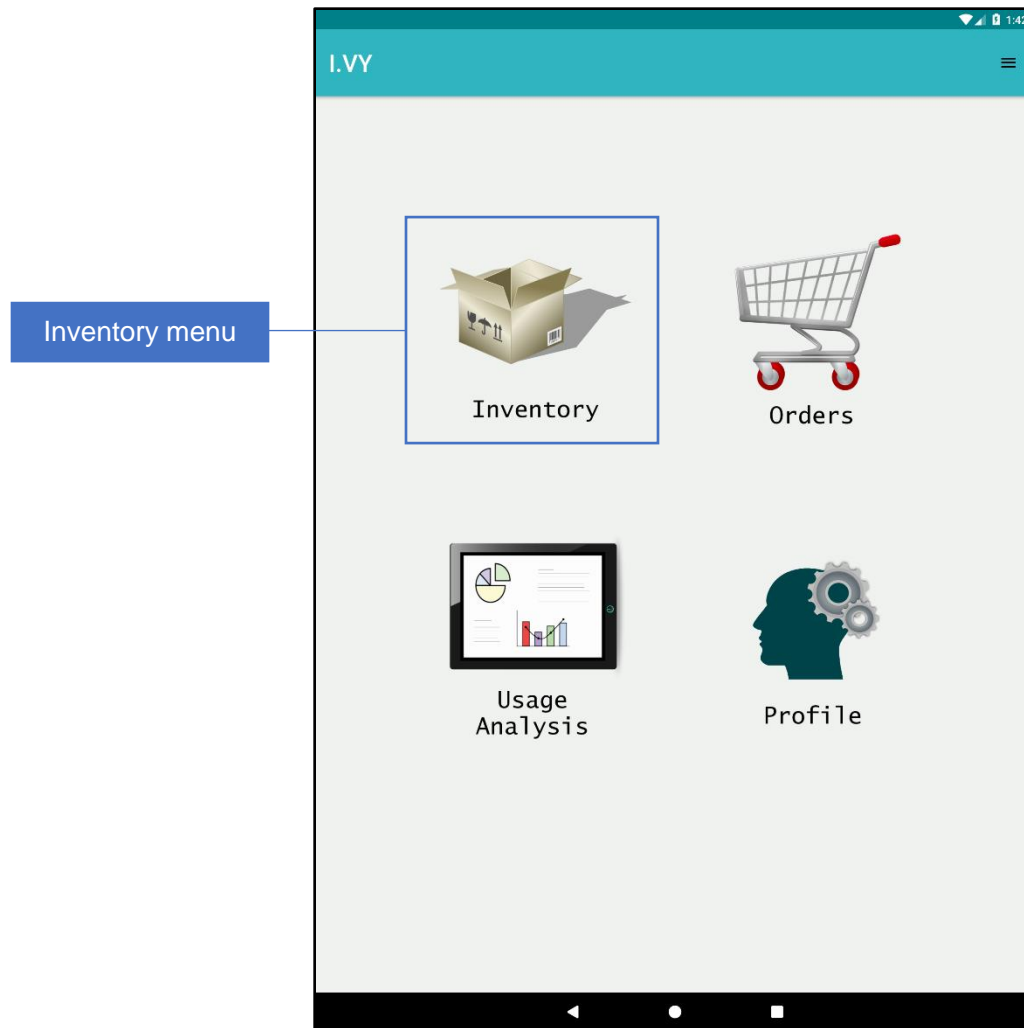
Step 3: Save Changes

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

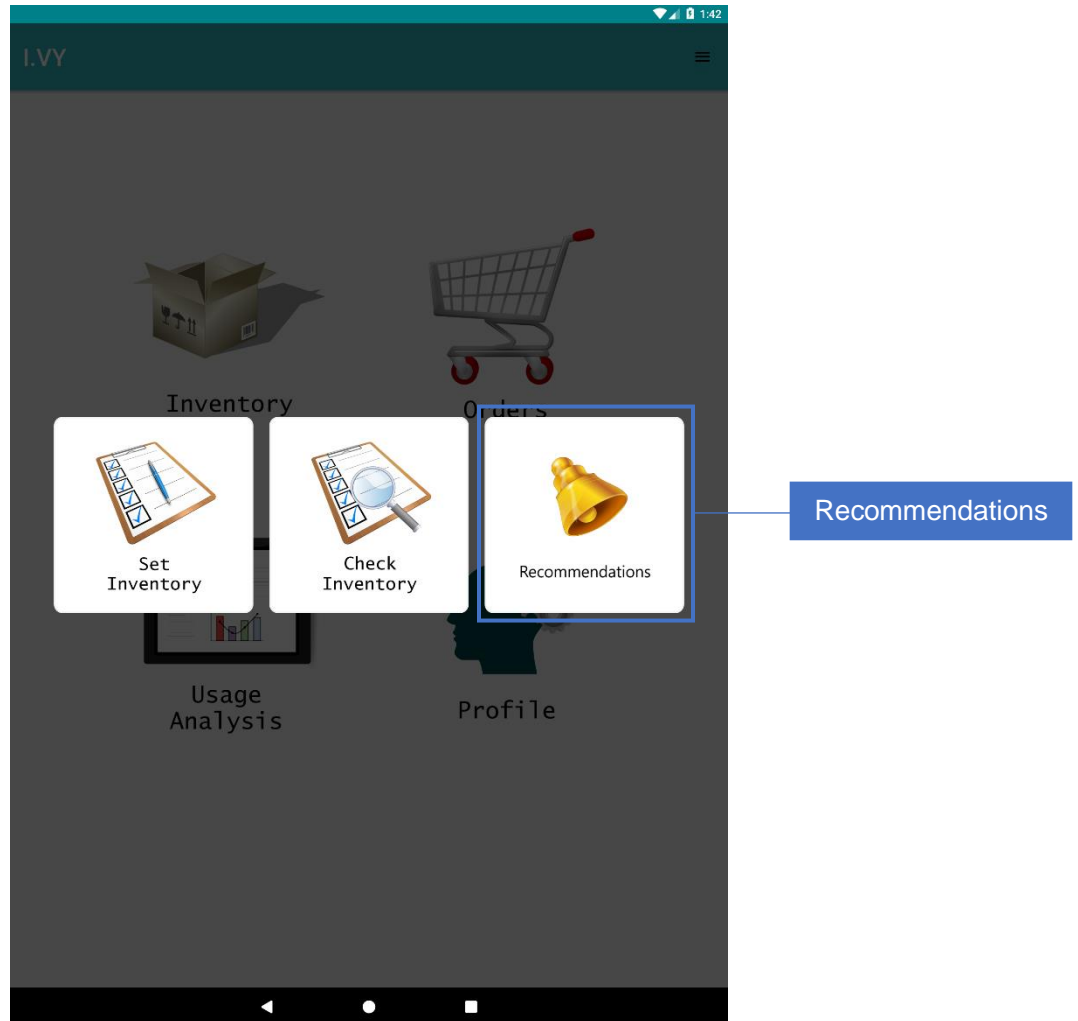
View Recommended Inventory Count

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.

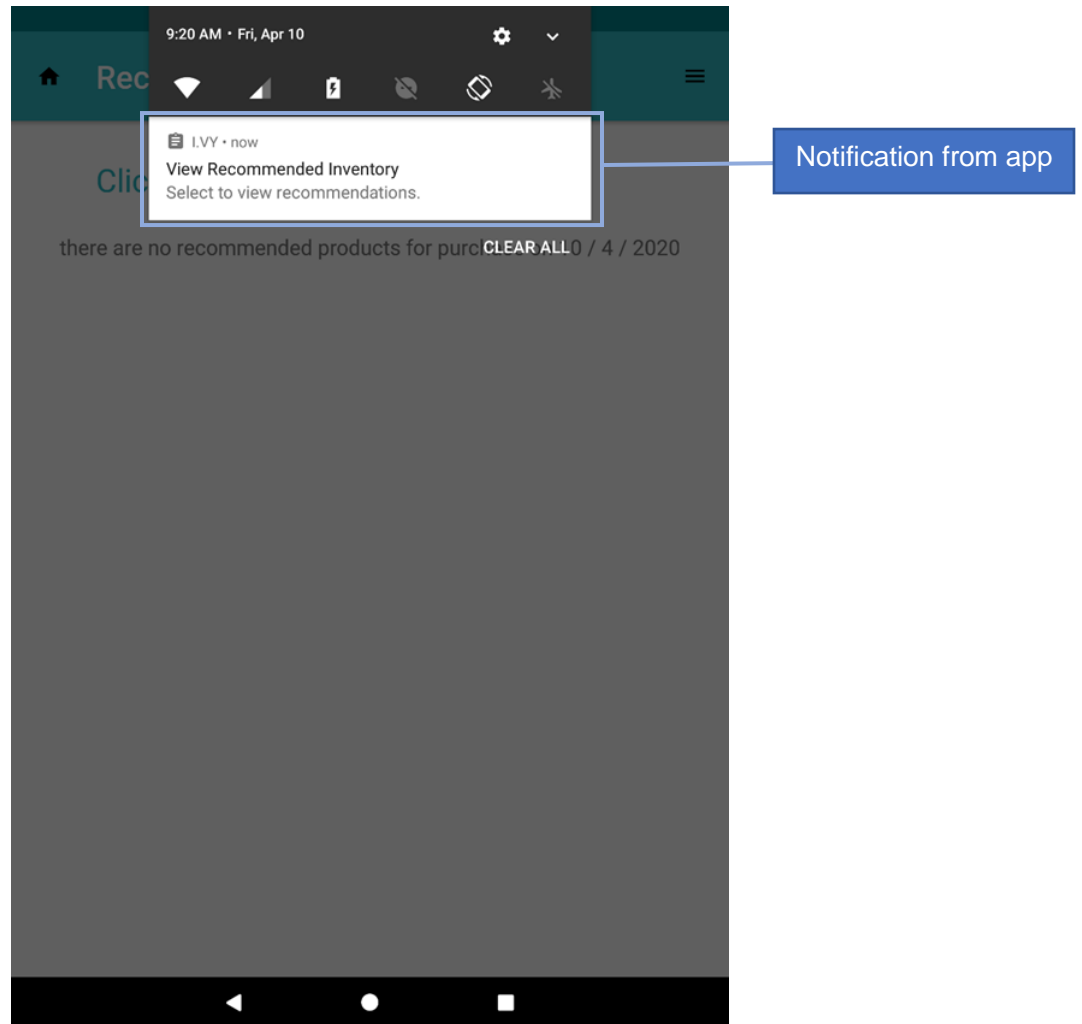
The screenshot shows a mobile application interface titled 'Recommendation'. At the top, there is a teal header bar with a home icon and a menu icon. Below the header, there is a button labeled 'SELECT DATE'. A blue box highlights this button, with a label 'Date picker' pointing to it. Below the button, the text reads 'the 89 products recommended for purchase on 14 / 12 / 2019 are'. A large blue box highlights the list of recommended products, with a label 'List of recommended products for selected date' pointing to it. The list contains 16 items, each with a product name, quantity, and price.

Product Name	Quantity	Price (Par)
Granulated Sugar (20KG)	5.13	3.88
Iced Capp Java	4.24	3.99
Ketchup	1.01	0.61
Hot Chocolate Powder	1.43	0.93
Glaze	3.05	2.30
French Vanilla Powder	8.05	6.55
Tomato	1.28	1.03
Cream of Broccoli Soup	0.69	0.59
Coffee (22.5 lbs.)	7.26	5.76
Honey Lemon Tea	0.50	0.36
Chipotle Sauce	0.84	0.70
Bacon (Hickory Smoked)	0.69	0.55
Steeped Orange Pekoe Tea Whole Leaf	1.01	0.76
Chocolate Syrup	0.23	0.21
Water	2.88	2.38

View Recommendations from Notification

Step 1. Click on notification

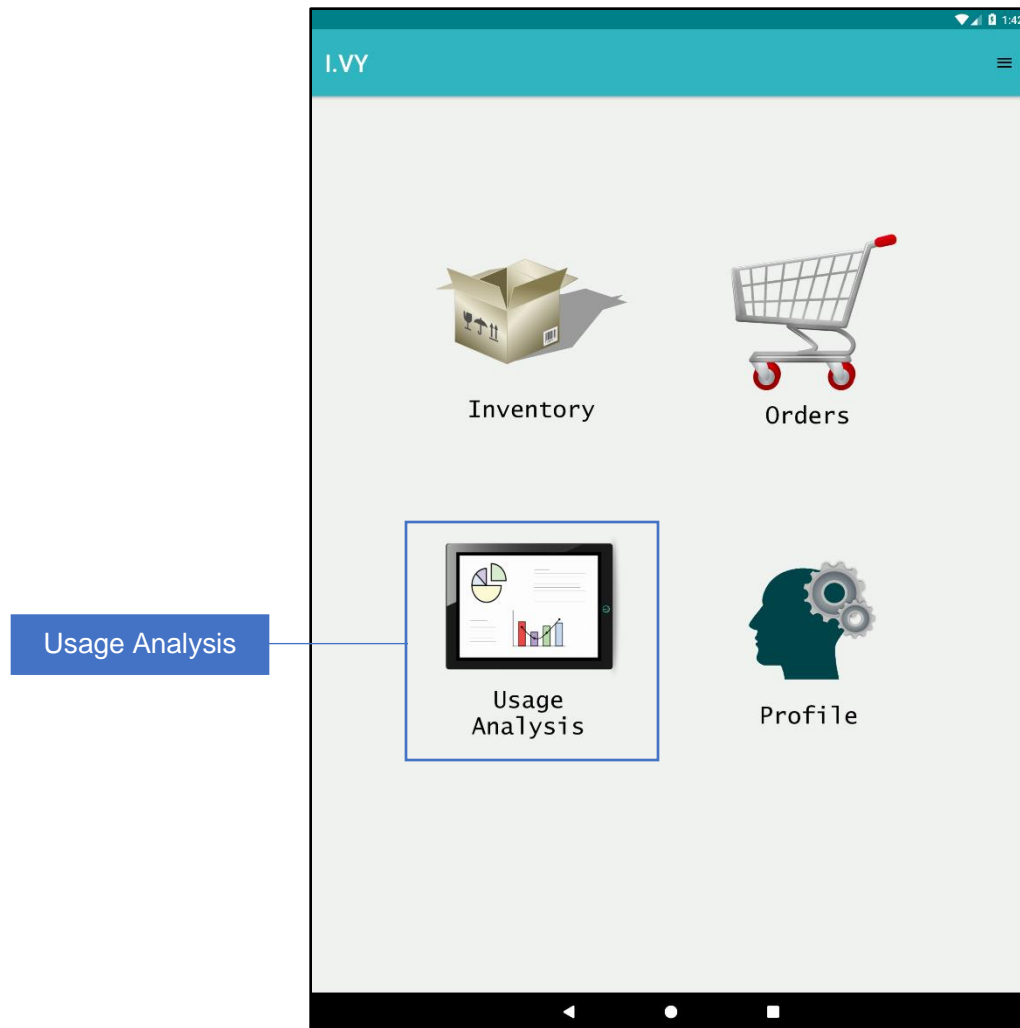
- The app sends a notification once a day to remind you to check the recommended inventory items for the day. Click on the notification to be redirected to the Recommendations screen.



View Usage Analysis

Step 0. Navigate to Usage Analysis screen

- a) Click 'Usage Analysis' on the home screen

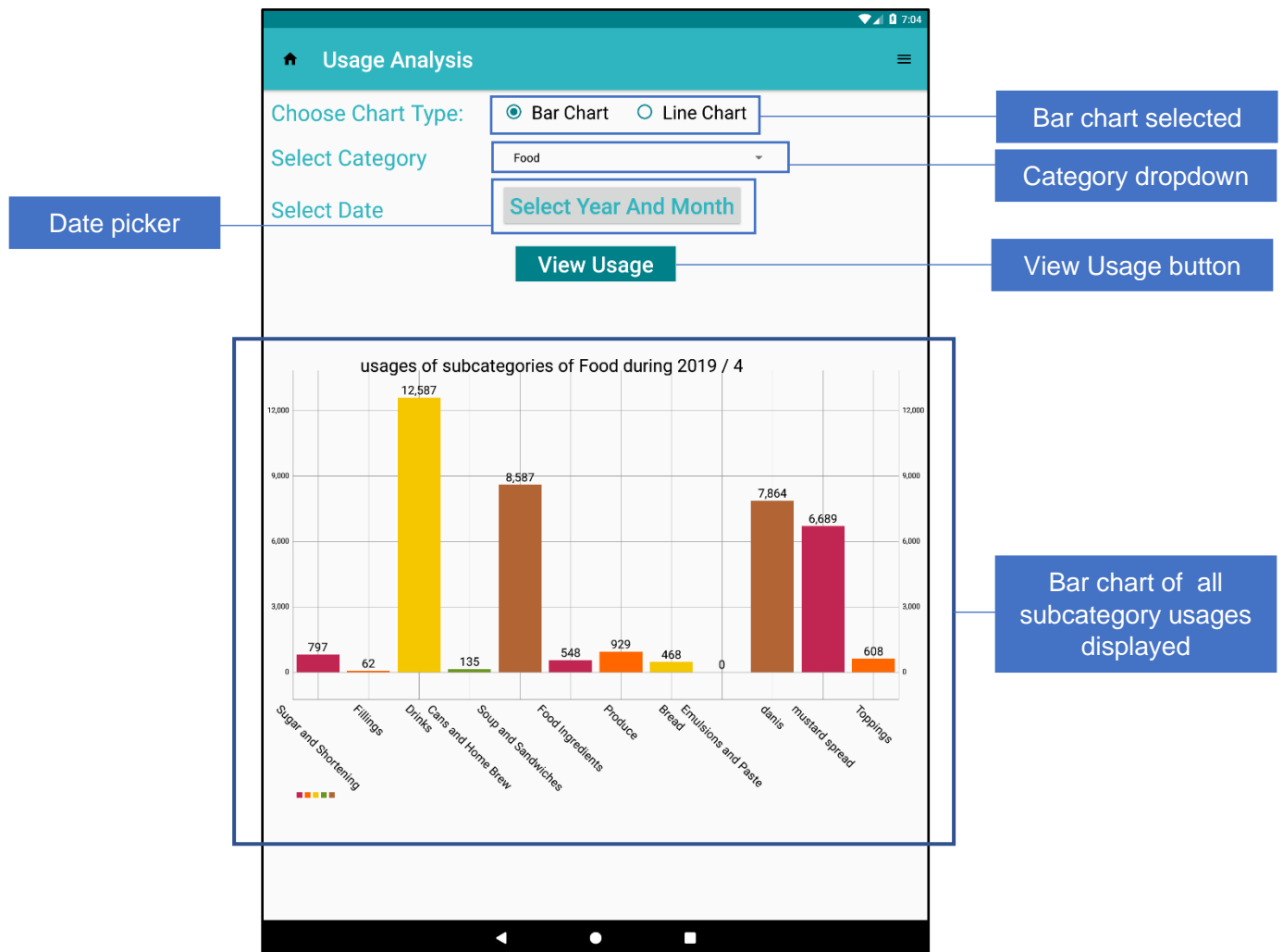


Step 1. Select chart type

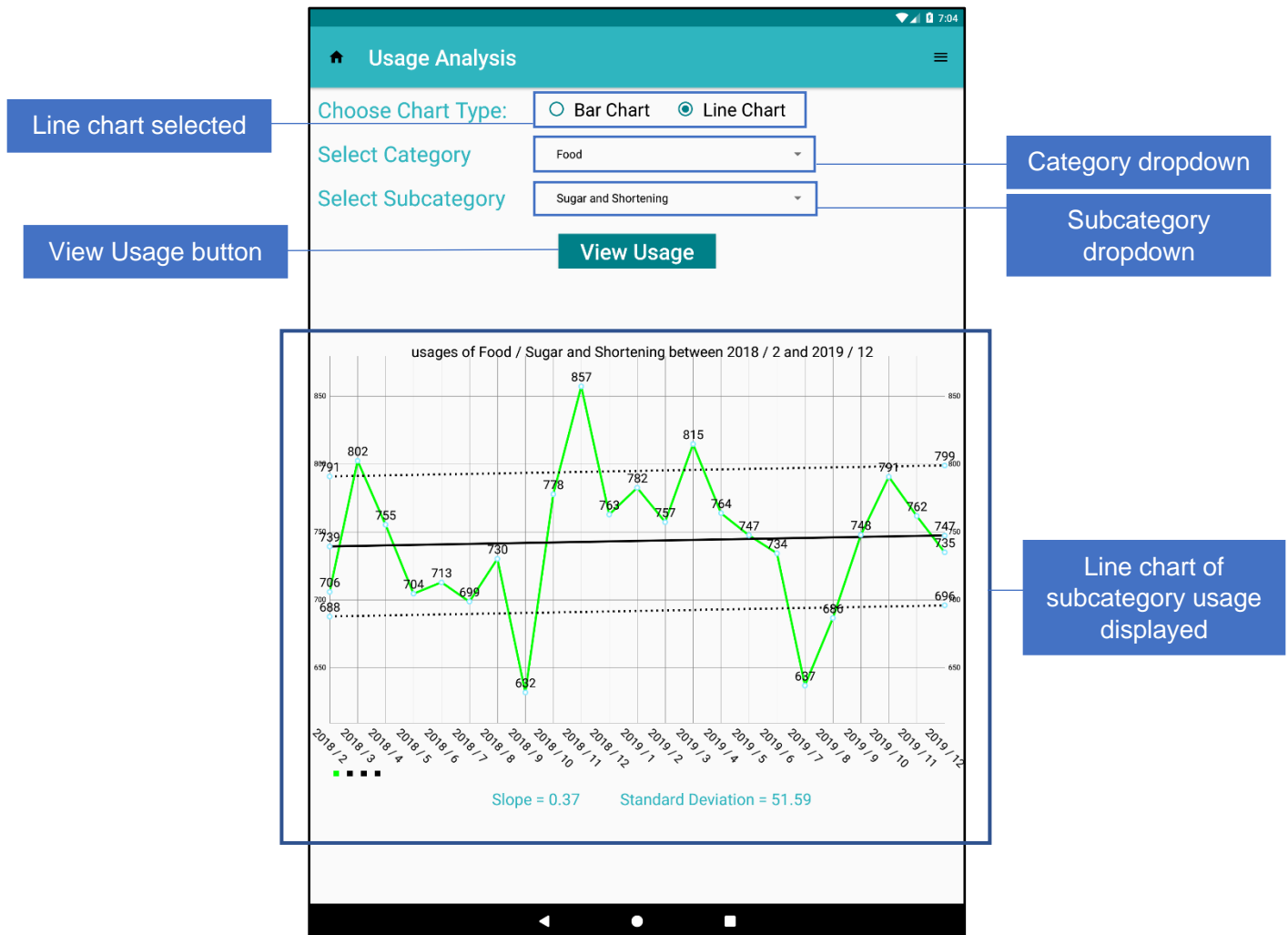
- a) Choose your preferred chart type: bar chart or line chart.

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

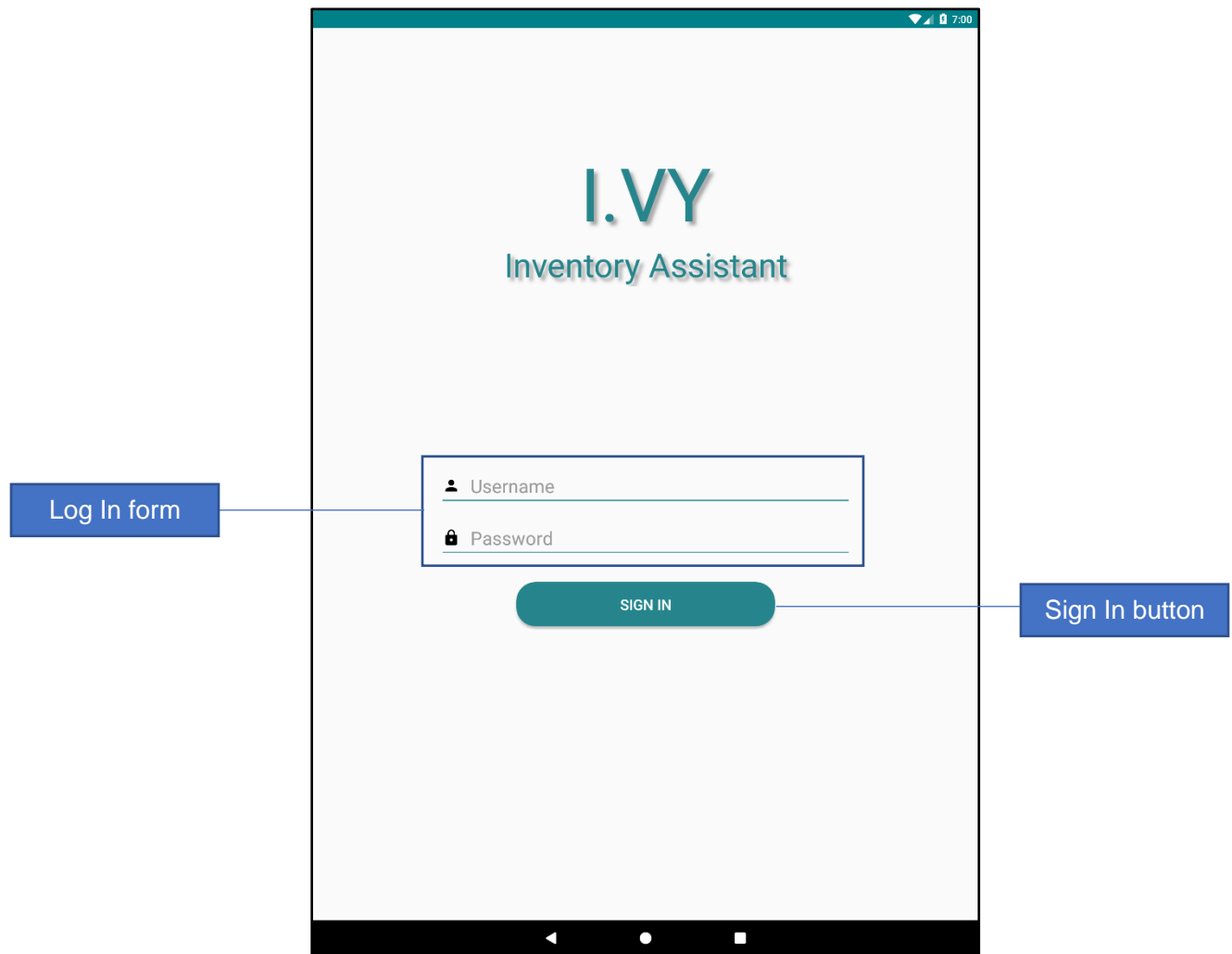
- a) A chart about the usage analysis for the selected date will be displayed.

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.



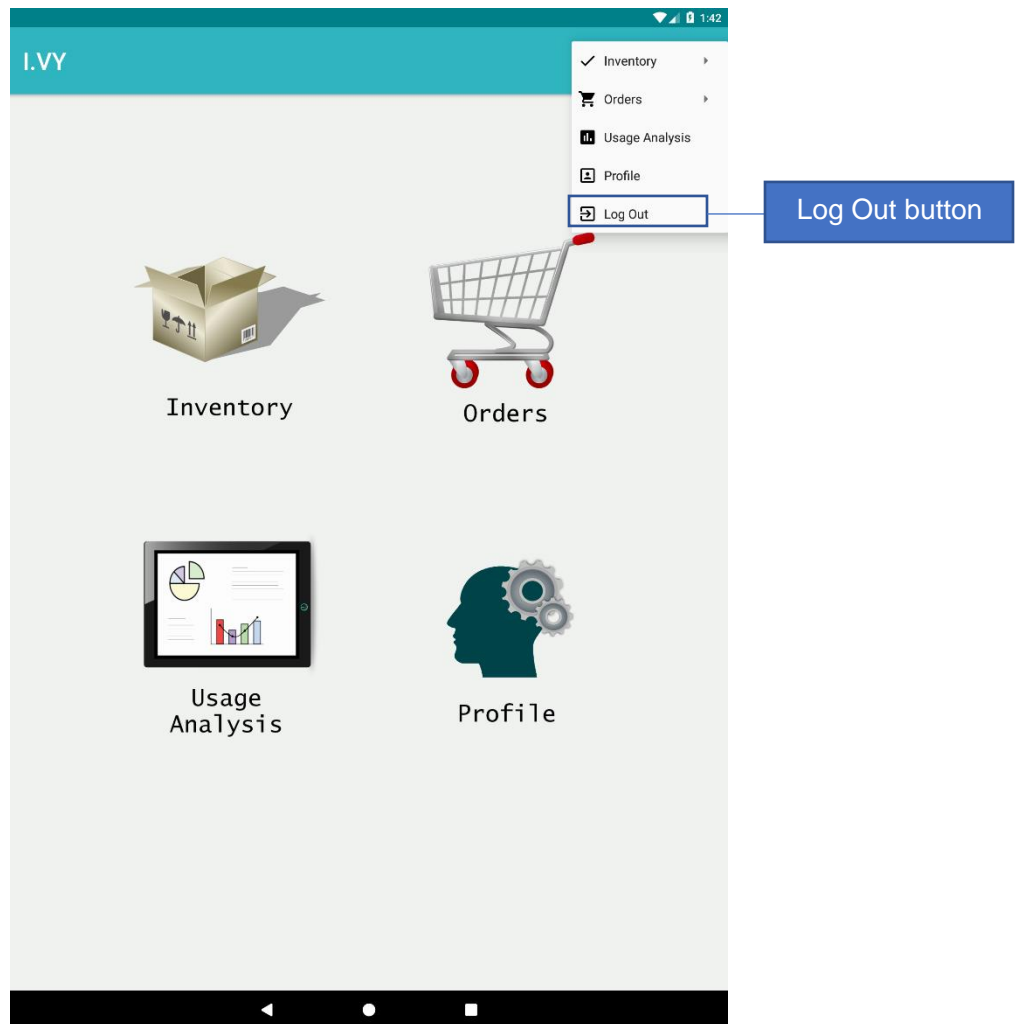
Step 2. Sign In

- 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.



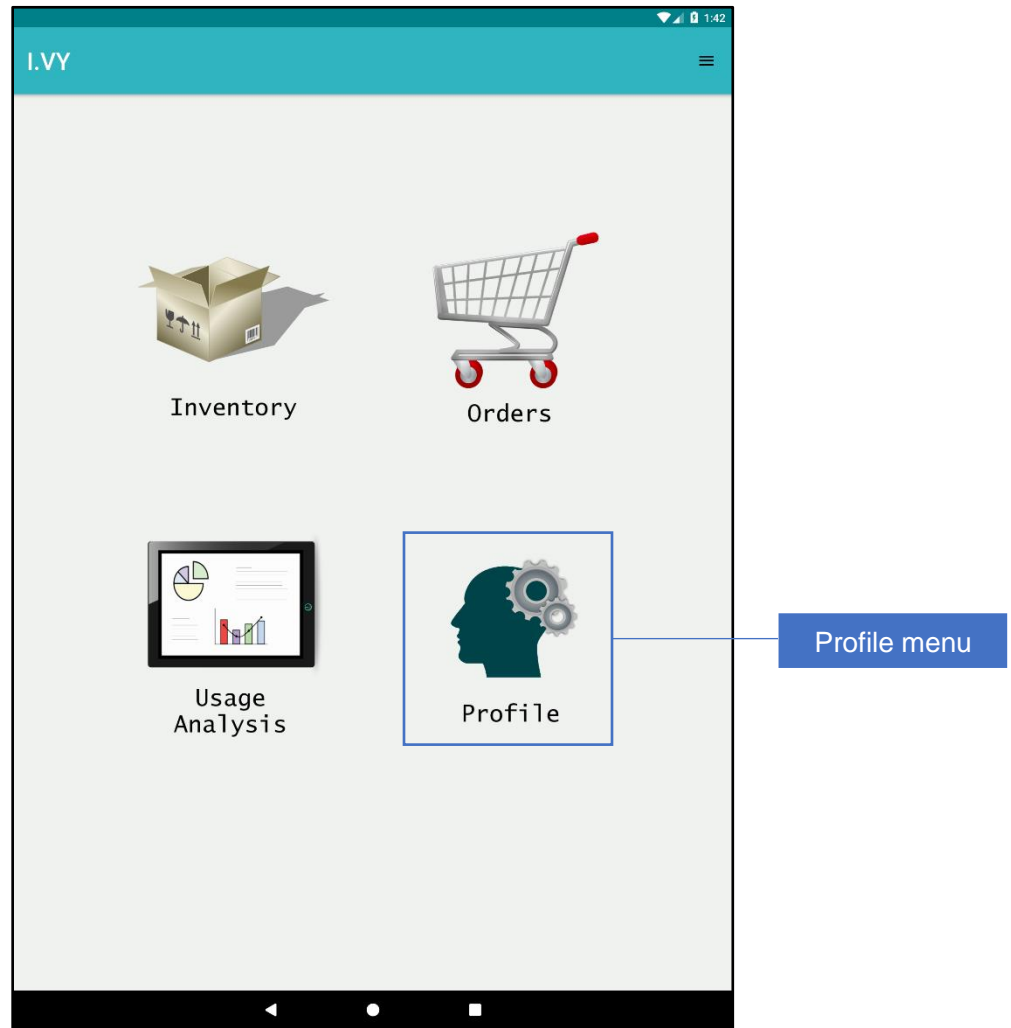
Step 2. Select 'Log Out'

- 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.

The screenshot shows a mobile application interface for 'Profile Settings'. At the top, there is a teal header bar with a home icon, the text 'Profile Settings', and a menu icon. Below the header, the user's name 'Lisdanay Hernandez' is displayed in teal. Underneath, there is a section with 'User ID' (2) and 'Store Number' (1). The main section is titled 'Password' and contains a 'Change Password' link. A modal form is open, containing three text input fields: 'Old Password', 'New Password', and 'Confirm Password'. Below these fields is a button labeled 'CHANGE PASSWORD'. Two blue callout boxes with lines pointing to the form and button are present: 'Change password form' points to the modal, and 'Change password button' points to the 'CHANGE PASSWORD' button.

Profile Settings	
Lisdanay Hernandez	
User ID	2
Store Number	1
Password	
Change Password	
Old Password	<input type="text"/>
New Password	<input type="text"/>
Confirm Password	<input type="text"/>
<input type="button" value="CHANGE PASSWORD"/>	

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.