
Software Construction & Development (SE-308-B)



Stage – 03 (Prototyping)

Project Title:

POS (Point of Sale)

Submitted by:

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Maida Kosser (221400091)

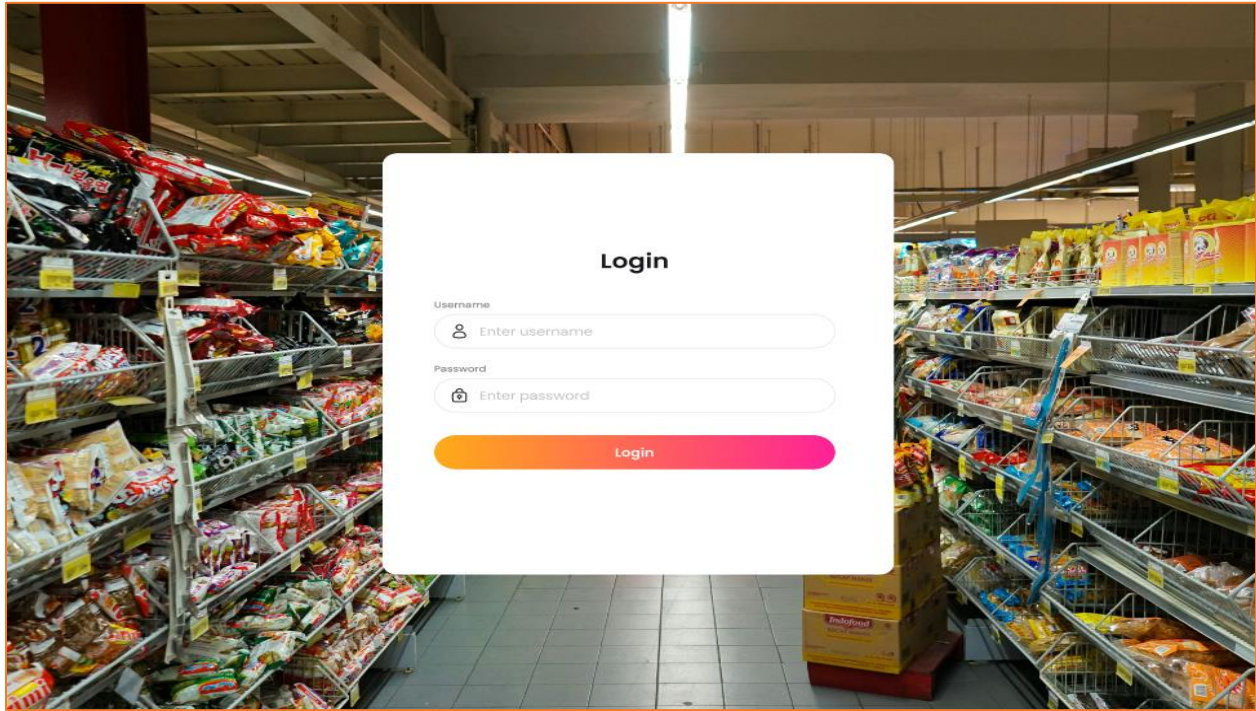
Submitted to:

Mam Sajiya Tariq

BS Software Engineering (V)

GIFT University, Gujranwala

1. Mock ups Using Figma Tool:



This is a login page where users need to enter their credentials, including their username and password, to log in.

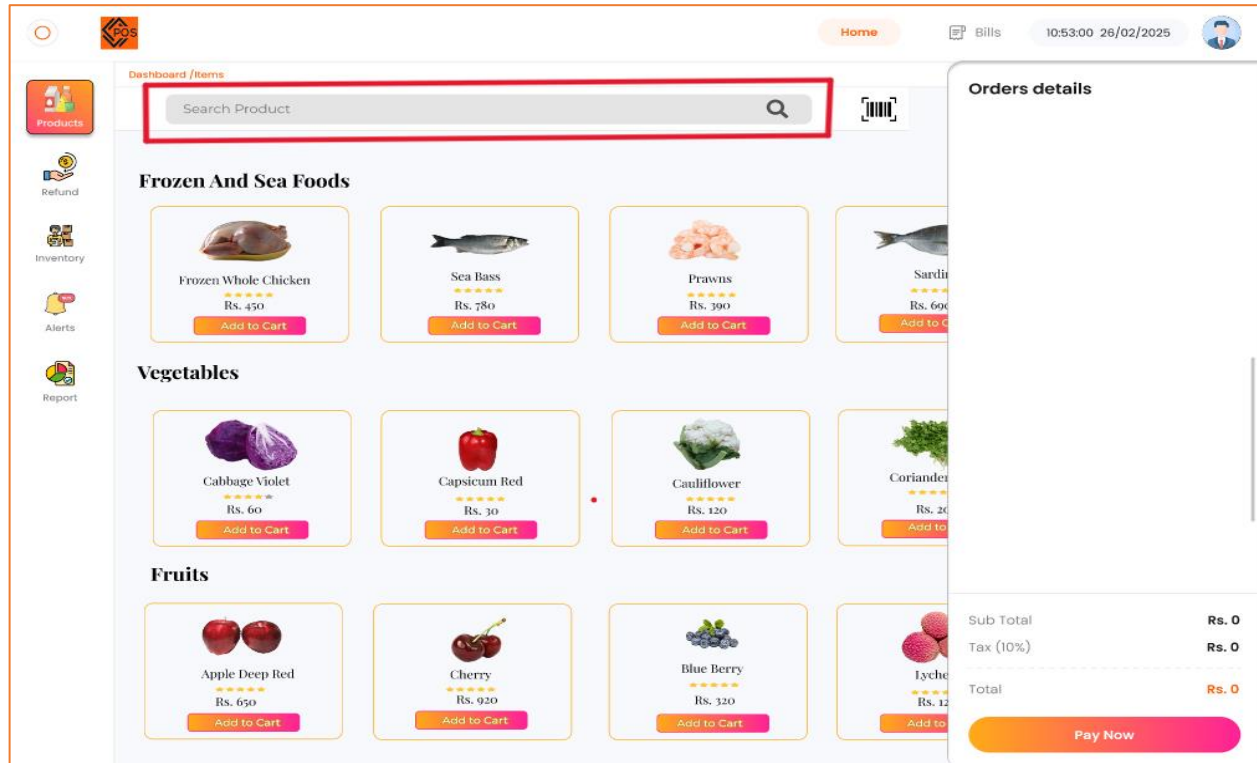
FR-1: Product Management

1.1. Add Product to inventory:

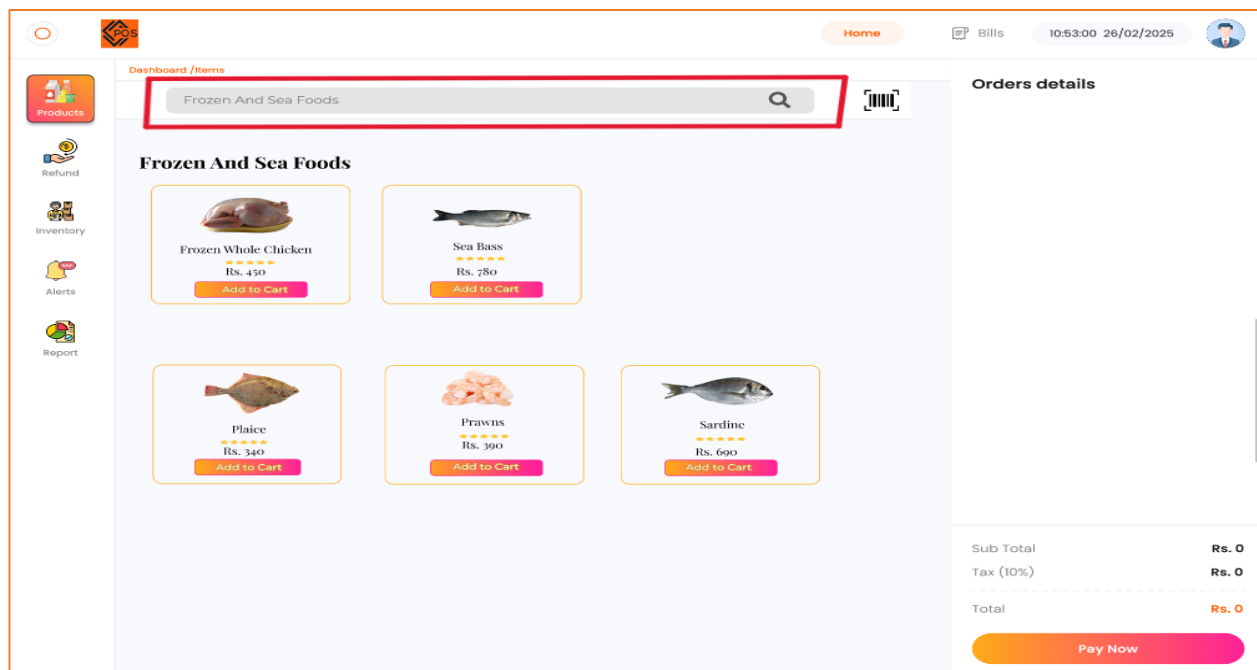
Product Name	Original Price	Resale Price	Rating	Sold Items	Earnings	In Stock	Status
Prawns Frozen And Sea Foods	Rs. 350	Rs. 390	★ 5	500	Rs. 105,000	4	Low Stock
Apple Deep Red Fruits	Rs. 450	Rs. 650	★ 5	200	Rs. 130,000	33	Low Stock
Capsicum Red Vegetables	Rs. 20	Rs. 30	★ 5	232	Rs. 6,960	120	In Stock
Lychee Fruits	Rs. 80	Rs. 120	★ 5	80	Rs. 9,600	285	In Stock
Cherry Fruits	Rs. 850	Rs. 920	★ 5	1021	Rs. 939,320	8	Low Stock
Cabbage Violet Fruits	Rs. 20	Rs. 60	★ 4	12	Rs. 720	50	Low Stock
Sea Bass Frozen And Sea Foods	Rs. 610	Rs. 780	★ 5	335	Rs. 261,300	295	In Stock

In this inventory system, products are being added using the "Add Product" button, which has been highlighted for emphasis.

1.2. Search Product:

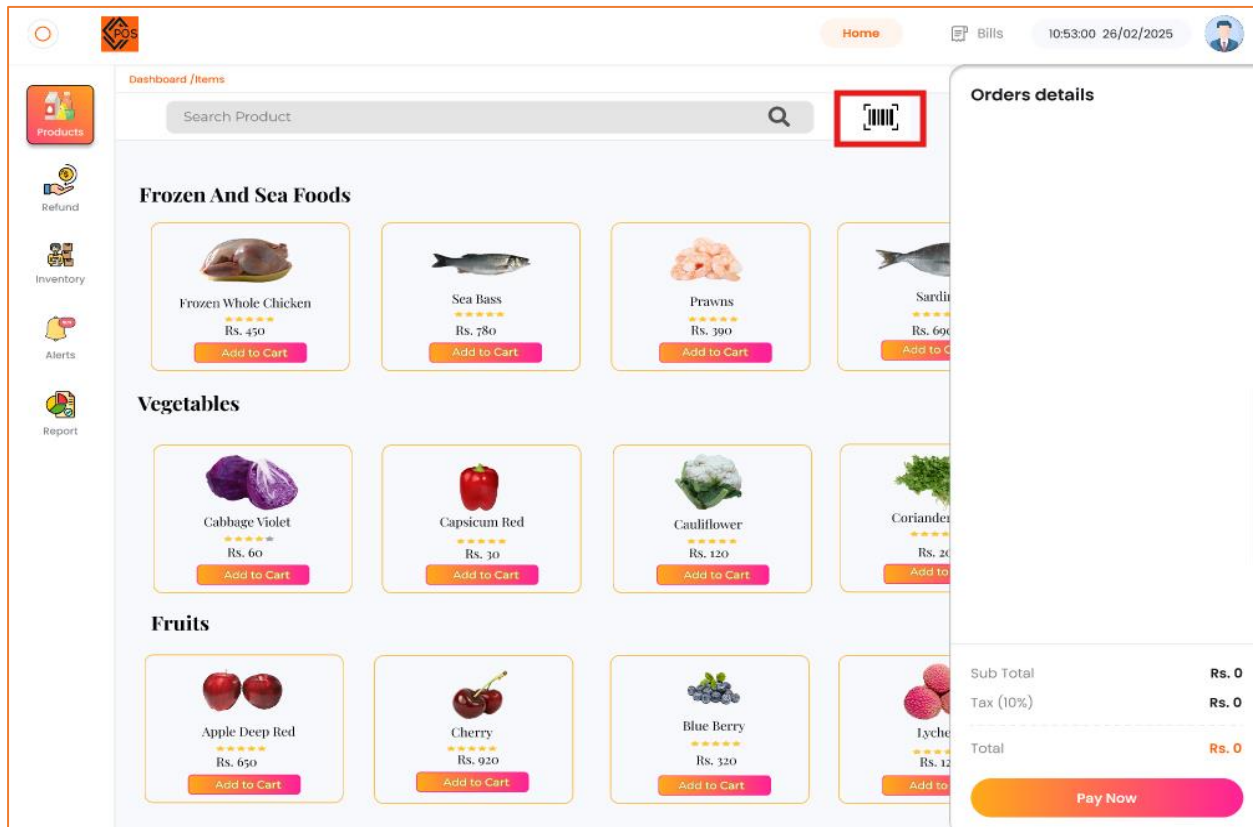


Any product can be searched using the **search box**.

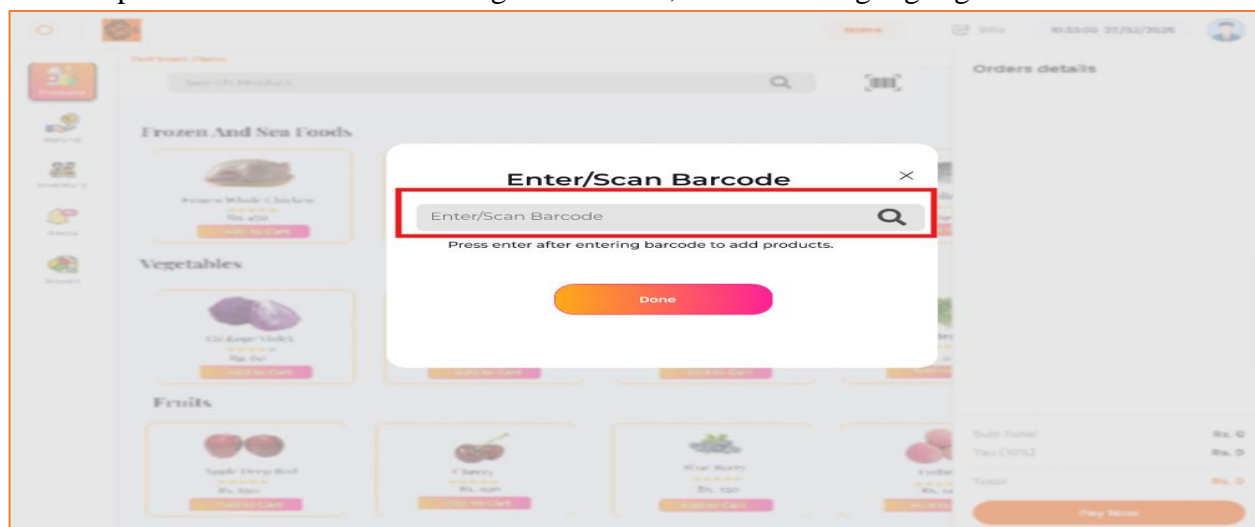


"Frozen and Sea Foods" have been searched using the **search box**, and all matching items have been displayed.

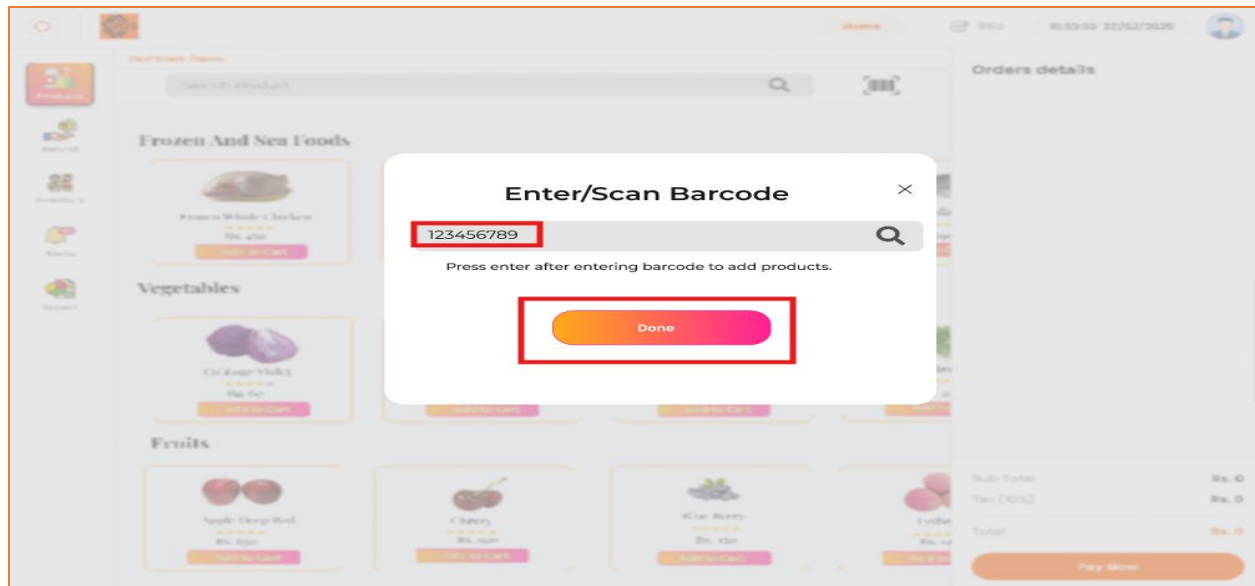
1.3. Scan Products:



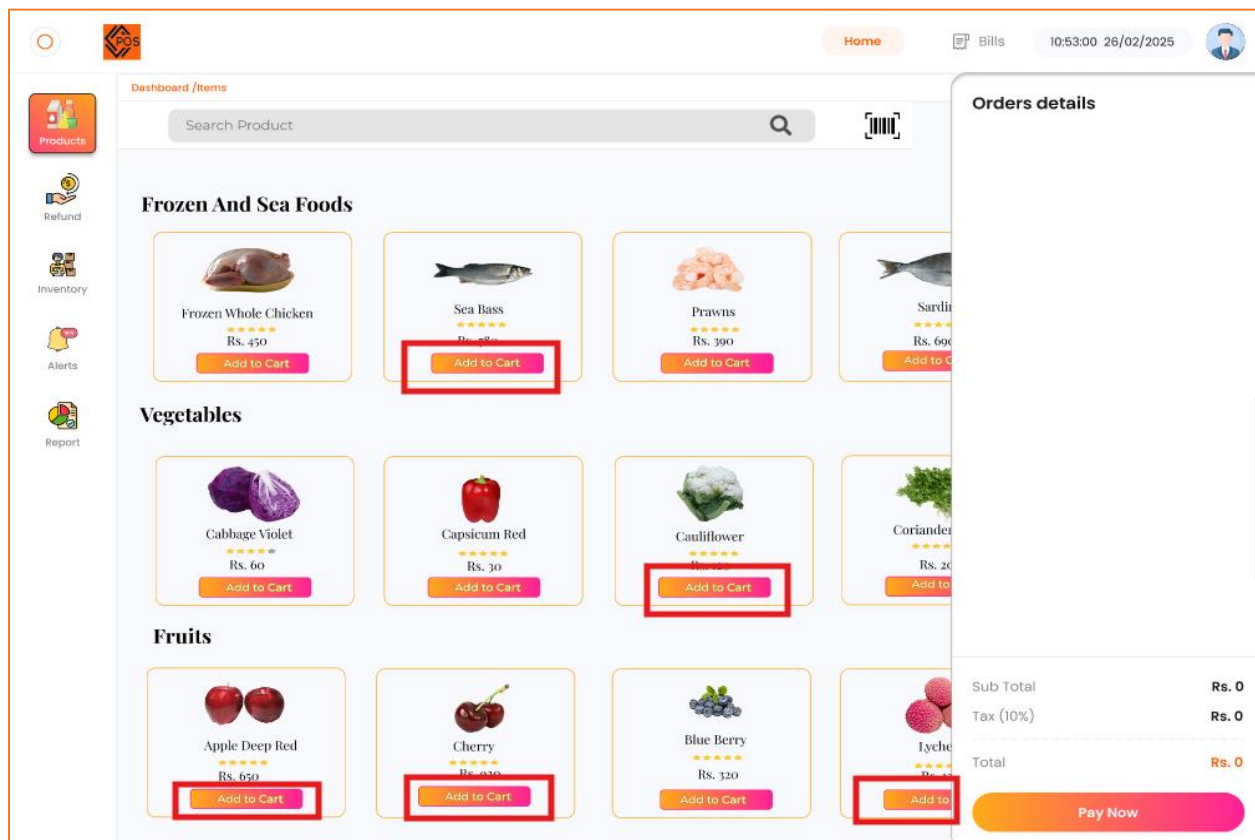
The products can be scanned using the **scanner**, which is being highlighted.



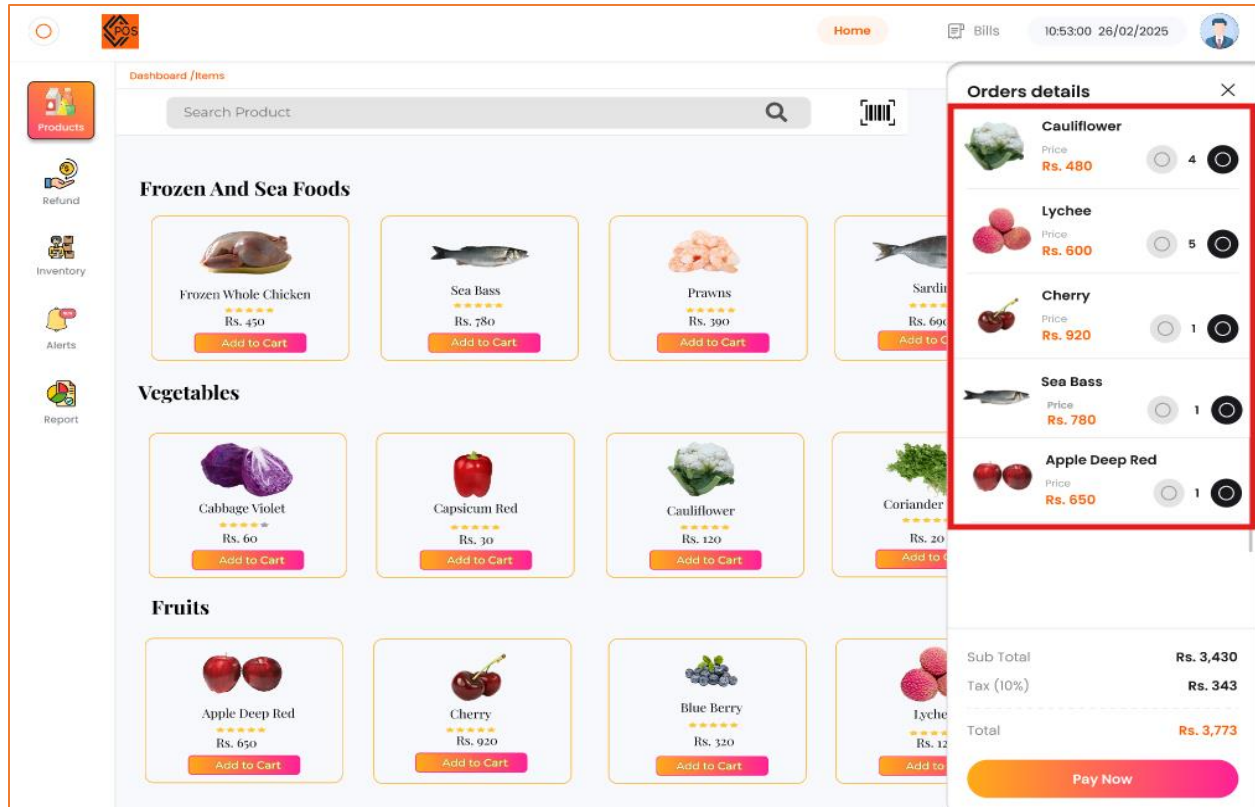
Enter or Scan the Bar Code in the highlighted box. In Below picture the bar code entered or Scanned.



1.4. Add Products to Cart:



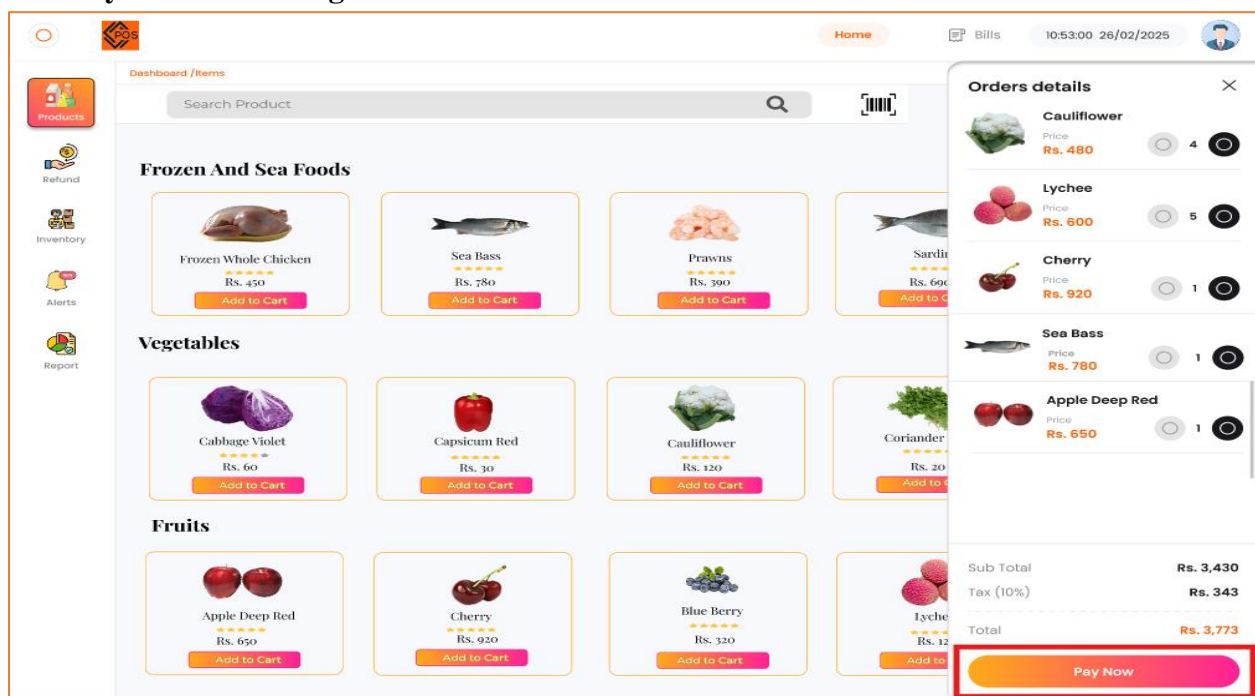
The product has been added to the **cart** using the "Add to Cart" button, which has been highlighted. This is how items are added to the cart.



These products have been added to the **cart** and are now displayed after being added using the "Add to Cart" button.

FR-2: Transaction Processing:

2.1. Payment Processing:



The payment is processed using the **highlighted "Payment" button** after the items have been added to the cart.

Order payment

Subtotal	Rs. 3,773
Tax	Rs. 343
Total Amount	Rs. 3,773
Change	Rs. 0

Payment method

Input amount

1 2 3 10
4 5 6 20
7 8 9
C 0 . Add

Receipt

The payment method is **"By Cash,"** and the amount to be paid is entered accordingly.

Order payment

Subtotal	Rs. 3,773
Tax	Rs. 343
Total Amount	Rs. 3,773
Change	Rs. 227

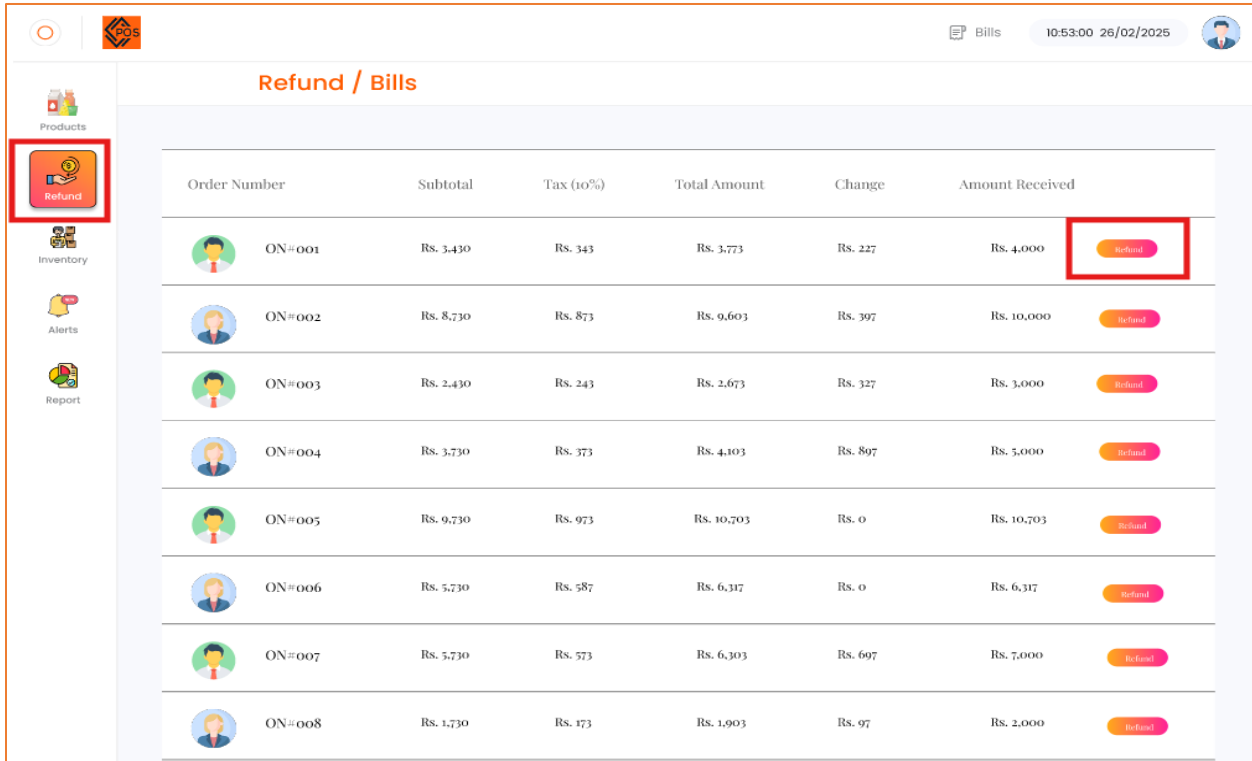
Payment method

Input amount

1 2 3 10
4 5 6 20
7 8 9
C 0 . Add

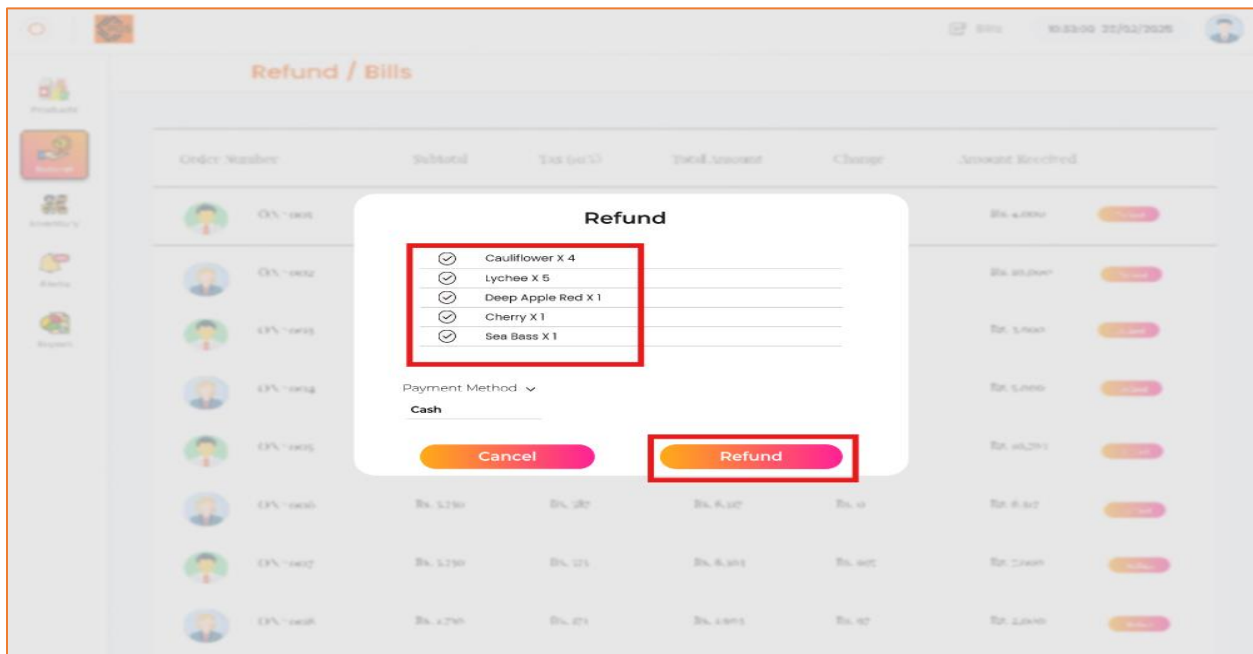
Receipt

The amount has been entered, and based on that, the change will be calculated, and the payment will proceed successfully.

FR-3.1: Refunds:

Order Number	Subtotal	Tax (10%)	Total Amount	Change	Amount Received	
ON#001	Rs. 3,430	Rs. 343	Rs. 3,773	Rs. 227	Rs. 4,000	Refund
ON#002	Rs. 8,730	Rs. 873	Rs. 9,603	Rs. 397	Rs. 10,000	Refund
ON#003	Rs. 2,430	Rs. 243	Rs. 2,673	Rs. 327	Rs. 3,000	Refund
ON#004	Rs. 3,730	Rs. 373	Rs. 4,103	Rs. 897	Rs. 5,000	Refund
ON#005	Rs. 9,730	Rs. 973	Rs. 10,703	Rs. 0	Rs. 10,703	Refund
ON#006	Rs. 5,730	Rs. 587	Rs. 6,317	Rs. 0	Rs. 6,317	Refund
ON#007	Rs. 5,730	Rs. 573	Rs. 6,303	Rs. 697	Rs. 7,000	Refund
ON#008	Rs. 1,730	Rs. 173	Rs. 1,903	Rs. 97	Rs. 2,000	Refund

The refund will be processed by clicking on the **highlighted "Refund" button**.



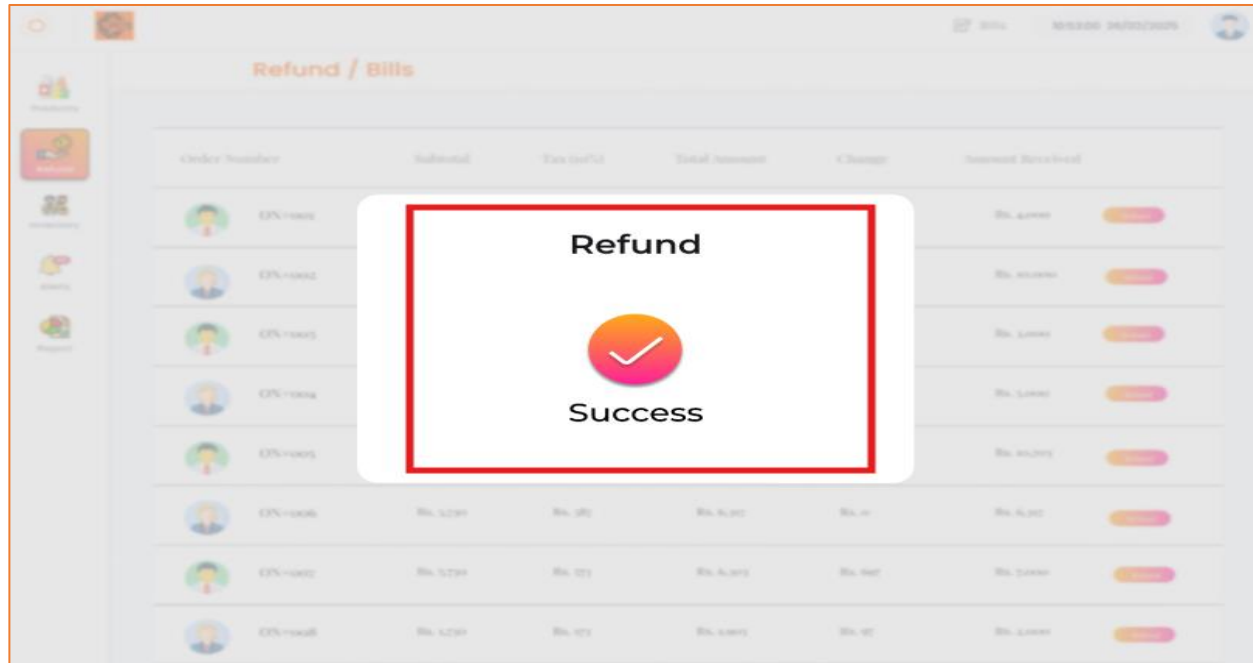
Refund

- ☒ Cauliflower X 4
- ☒ Lychee X 5
- ☒ Deep Apple Red X 1
- ☒ Cherry X 1
- ☒ Sea Bass X 1

Payment Method **Cash**

Cancel **Refund**

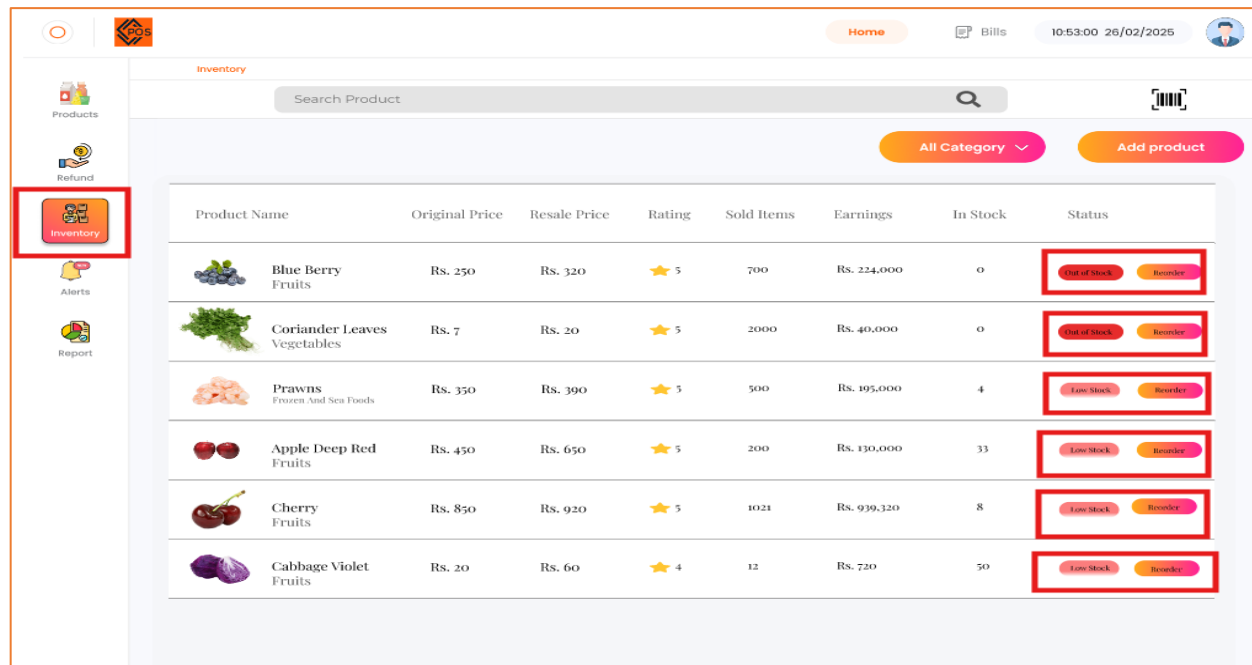
To process a refund, select the items to be refunded and click on the **"Refund" button**. The refund will be successfully completed.



Once the refund process is complete, a **"Refund Successful"** message is displayed as a pop-up.

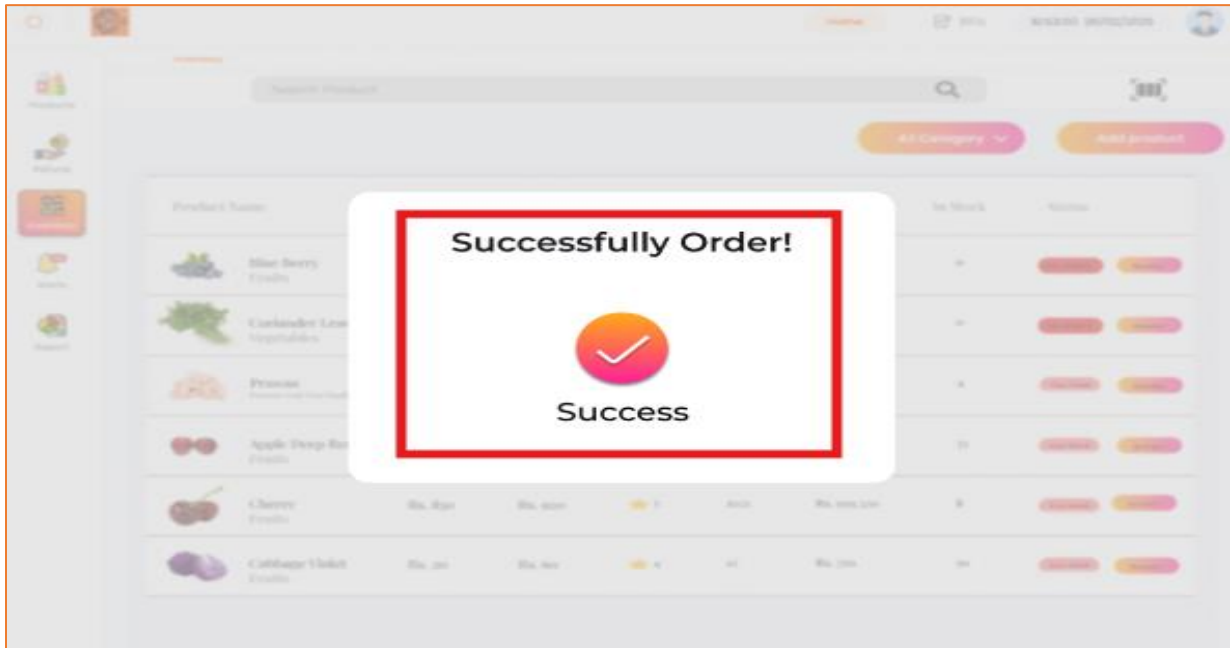
FR-4: Inventory Management:

4.1. Update Inventory:

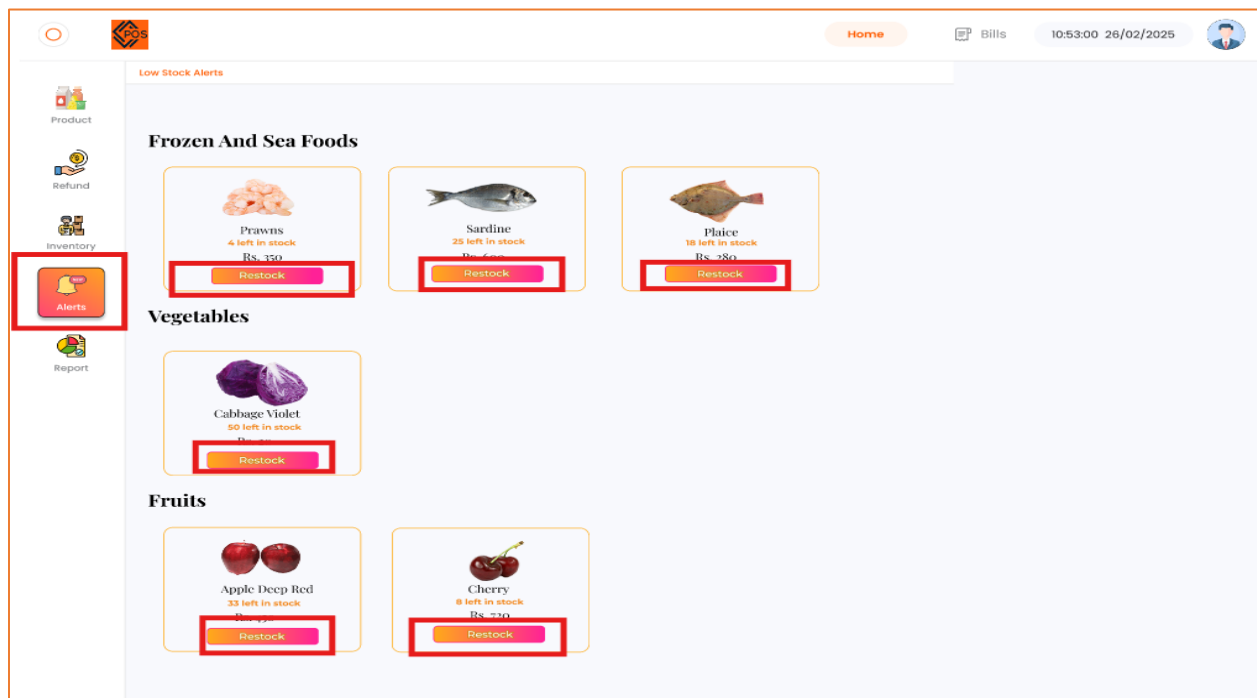


To update the inventory, click on the **highlighted "Inventory" button** to view the inventory. Low-stock items are displayed, and out-of-stock items can be restocked by clicking the

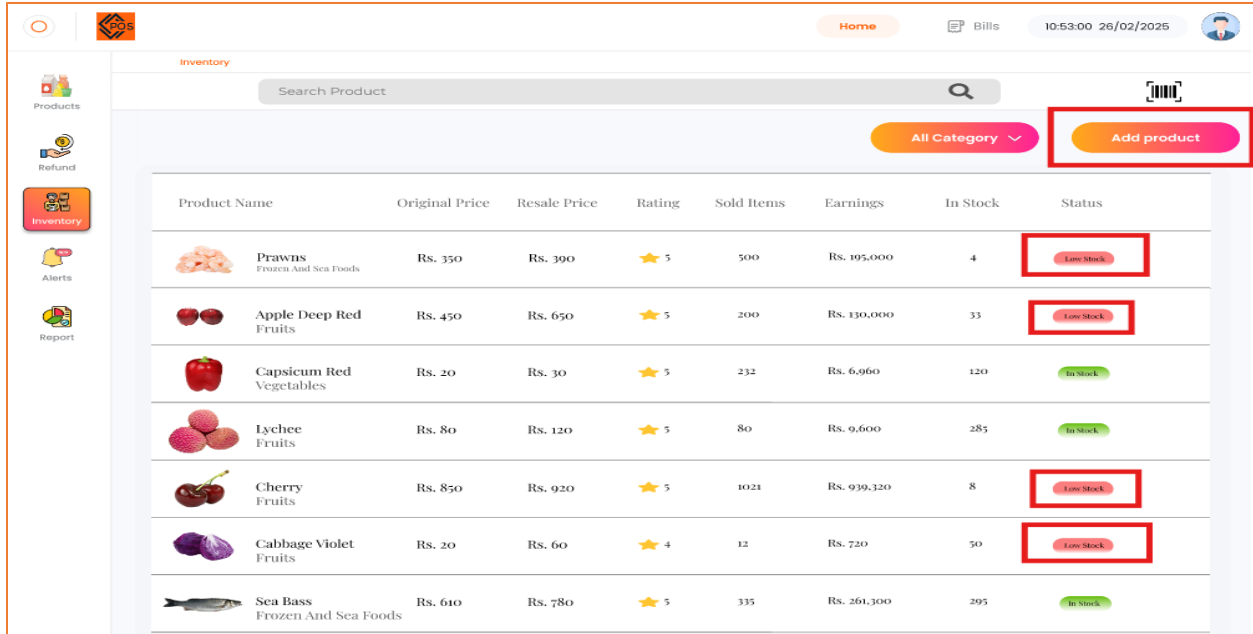
highlighted "Restock" button. Once restocked, a "Restock Order Successful" pop-up message appears.



4.2. Low Stock Alerts:



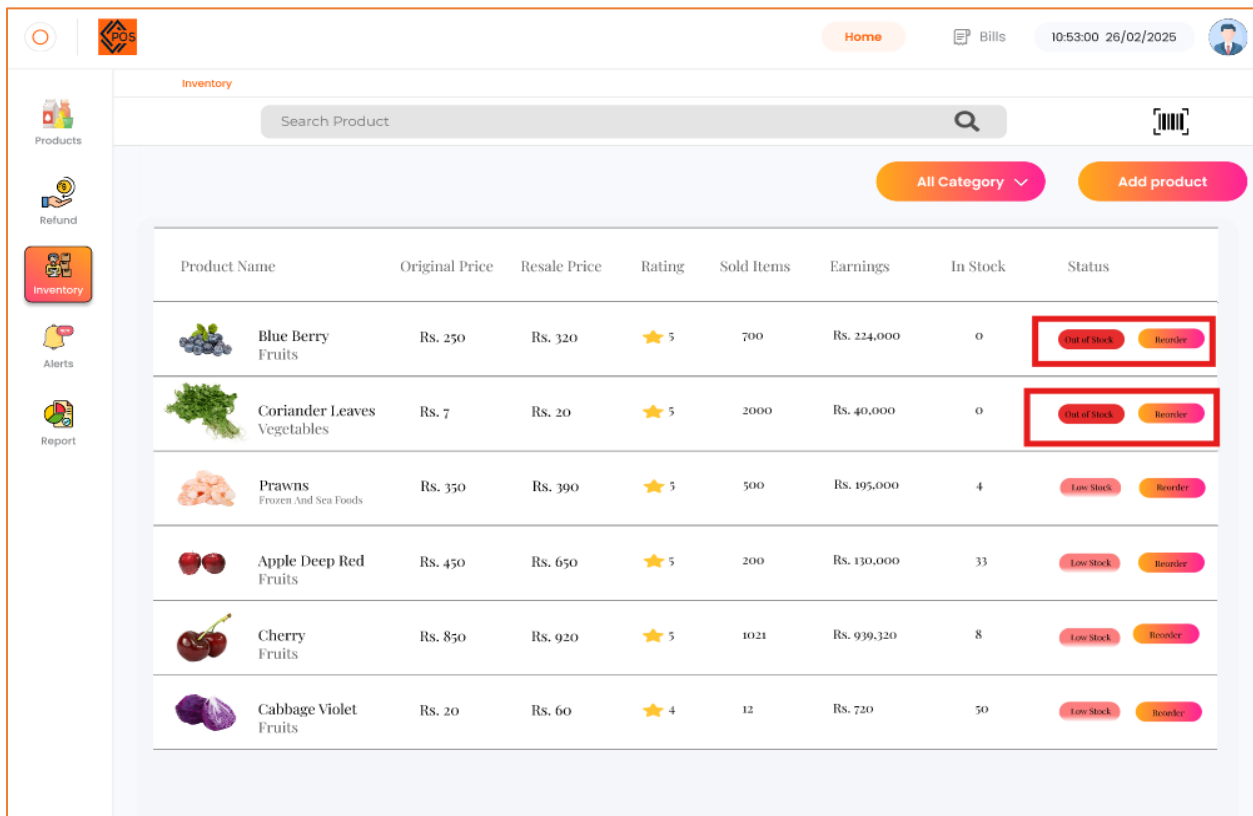
To view **low stock alerts**, click on the **highlighted button** to check which items need restocking. Then, click on the **highlighted "Restock" button** to restock the required items.



The screenshot shows the IMS interface with a sidebar on the left containing icons for Products, Refund, Inventory, Alerts, and Report. The main area displays a table of products. The 'Add Product' button is highlighted in red.

Product Name	Original Price	Resale Price	Rating	Sold Items	Earnings	In Stock	Status
Prawns Frozen And Sea Foods	Rs. 350	Rs. 390	★ 5	500	Rs. 195,000	4	Low Stock
Apple Deep Red Fruits	Rs. 450	Rs. 650	★ 5	200	Rs. 130,000	33	Low Stock
Capsicum Red Vegetables	Rs. 20	Rs. 30	★ 5	232	Rs. 6,960	120	In Stock
Lychee Fruits	Rs. 80	Rs. 120	★ 5	80	Rs. 9,600	285	In Stock
Cherry Fruits	Rs. 850	Rs. 920	★ 5	1021	Rs. 939,320	8	Low Stock
Cabbage Violet Fruits	Rs. 20	Rs. 60	★ 4	12	Rs. 720	50	Low Stock
Sea Bass Frozen And Sea Foods	Rs. 610	Rs. 780	★ 5	335	Rs. 261,300	295	In Stock

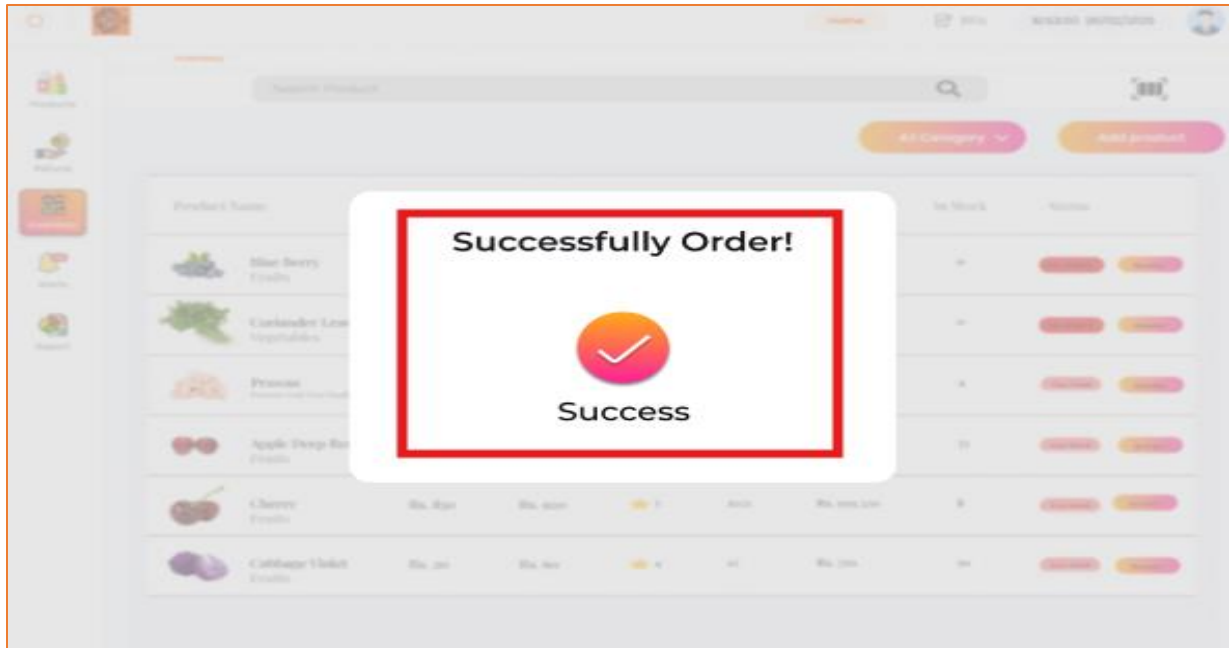
The highlighted low-stock products are restocked by clicking the "Add Product" button.



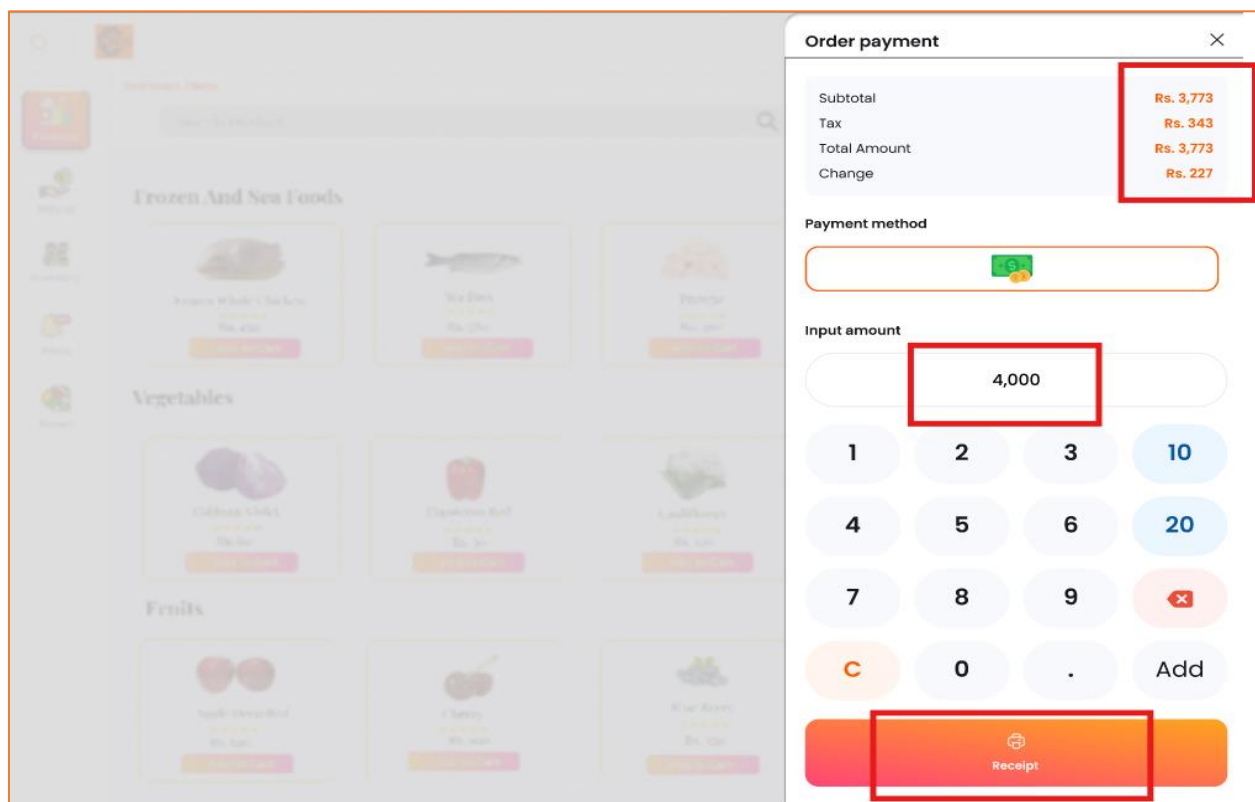
The screenshot shows the IMS interface after clicking the 'Add Product' button. The 'Out of Stock' and 'Restock' buttons are highlighted in red for the products that were previously low stock.

Product Name	Original Price	Resale Price	Rating	Sold Items	Earnings	In Stock	Status
Blue Berry Fruits	Rs. 250	Rs. 320	★ 5	700	Rs. 224,000	0	Out of Stock Restock
Coriander Leaves Vegetables	Rs. 7	Rs. 20	★ 5	2000	Rs. 40,000	0	Out of Stock Restock
Prawns Frozen And Sea Foods	Rs. 350	Rs. 390	★ 5	500	Rs. 195,000	4	Low Stock Restock
Apple Deep Red Fruits	Rs. 450	Rs. 650	★ 5	200	Rs. 130,000	33	Low Stock Restock
Cherry Fruits	Rs. 850	Rs. 920	★ 5	1021	Rs. 939,320	8	Low Stock Restock
Cabbage Violet Fruits	Rs. 20	Rs. 60	★ 4	12	Rs. 720	50	Low Stock Restock

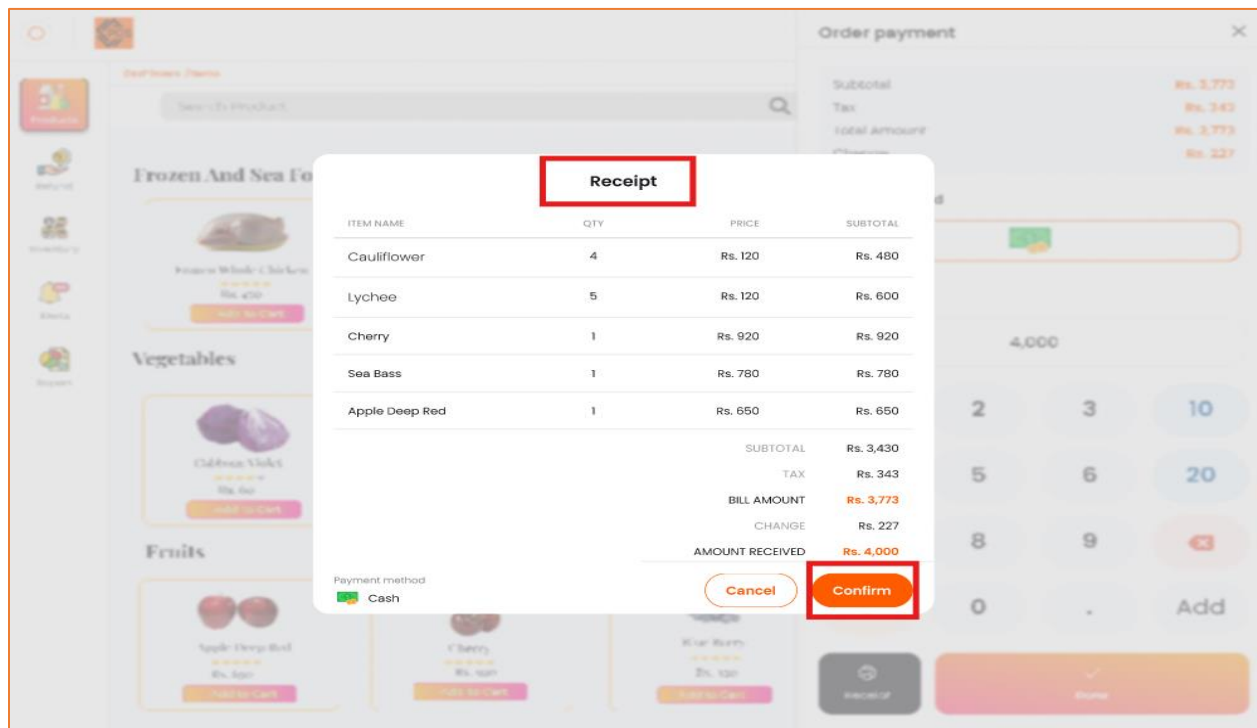
The "Add Product" button process continues as products are added. Low-stock products are reordered by clicking the highlighted "Restock" button. Once restocked, a "Restock Order Successful" pop-up message appears.



FR-5.1: Receipt Management:

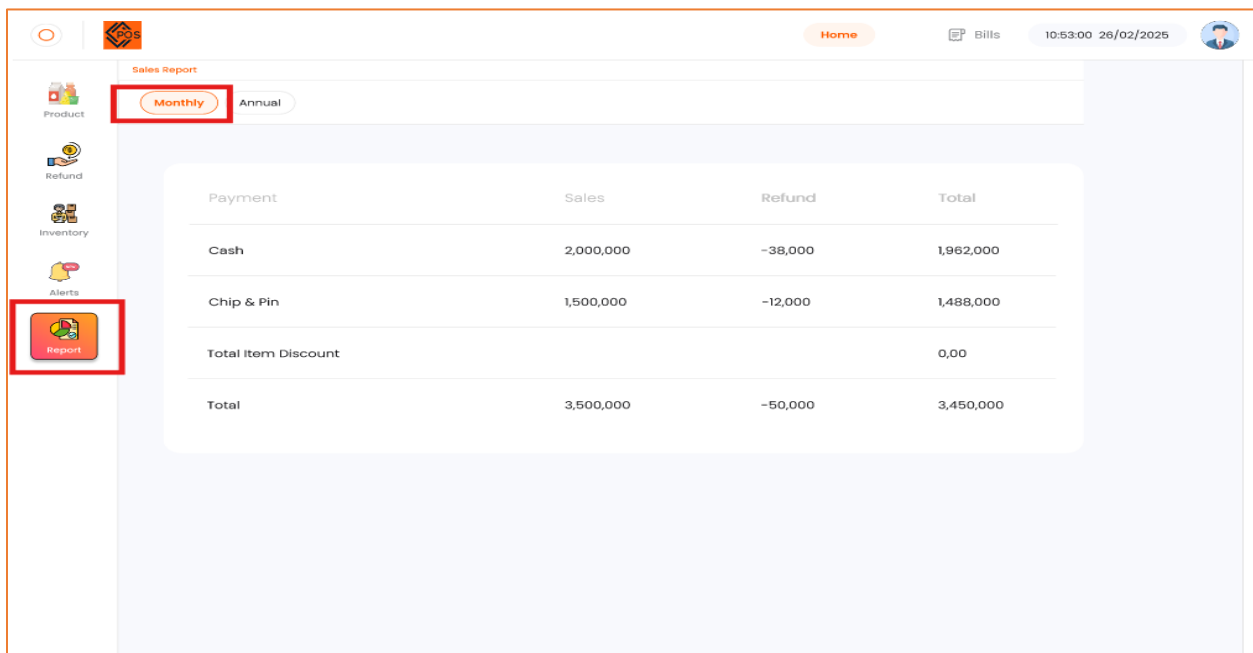


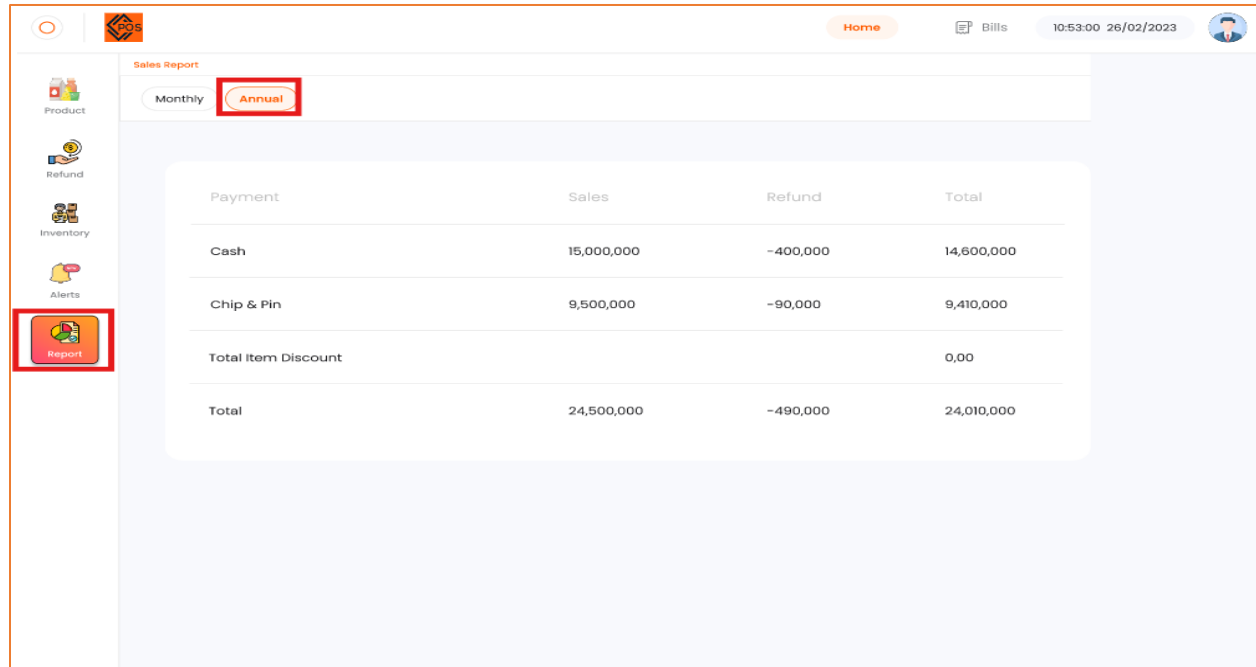
After the payment process, click on the **highlighted "Receipt" button** to generate the receipt.



The receipt will be successfully generated.

FR-6.1: Report:





Sales Report

Monthly **Annual**

Payment	Sales	Refund	Total
Cash	15,000,000	-400,000	14,600,000
Chip & Pin	9,500,000	-90,000	9,410,000
Total Item Discount			0,00
Total	24,500,000	-490,000	24,010,000

The report is displayed on a **monthly and annual basis** according to the **highlighted box**.

Check the prototype here:

[Point of Sale System](#)

2. SCD Project Status Report:

Date/Day: 25-02-2025

Project Name: POS (Point of Sale)

Project Lead: Maida Kosser

Report Date: 25-02-2025

Section: B

Group No: 03

Task	Member Roll #	Assigned Task %	Completed %
Mock ups Using Figma Tool	221400091	50%	50%
	221400003	50%	50%
Total		100%	100%

Project stage Completion Percentage: 100%

Comments:

Project Lead: _____

Instructor: _____