

BSIT-3F

Web Programming

Final

“*RetailEase*: A Smart Retail Store Management System for Retail Store Owners”

Submitted by:

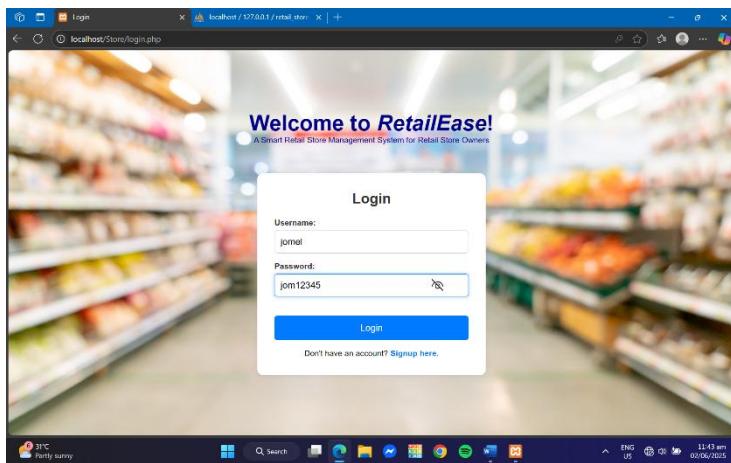
CANDINATO, JOMEL

Submitted to:

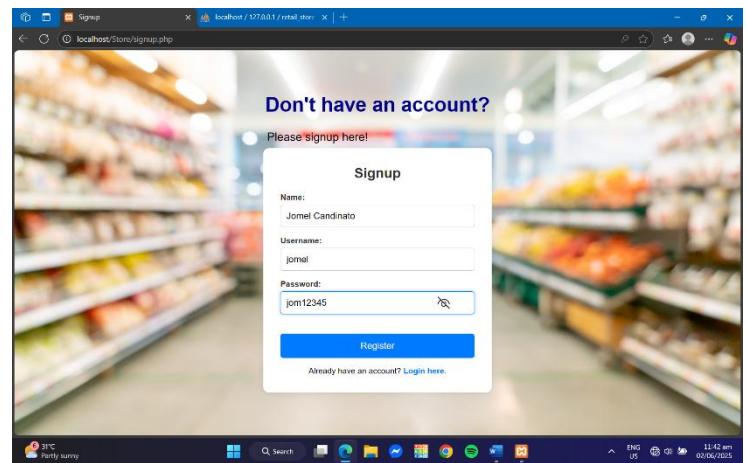
PROF. JISSALYN ITALIA

SYSTEM DESIGN

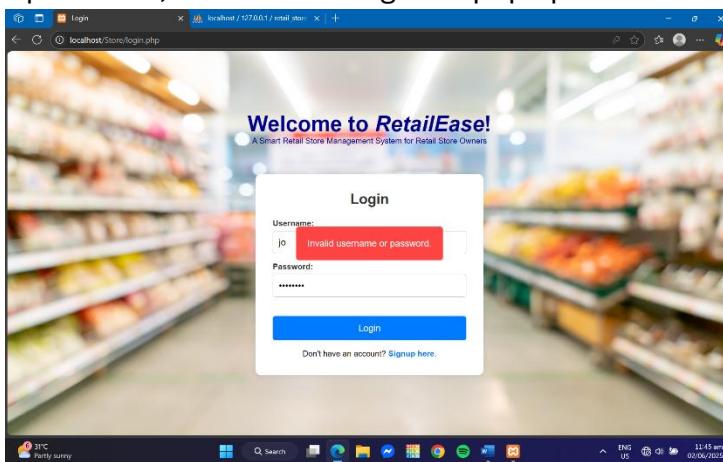
Login Page:



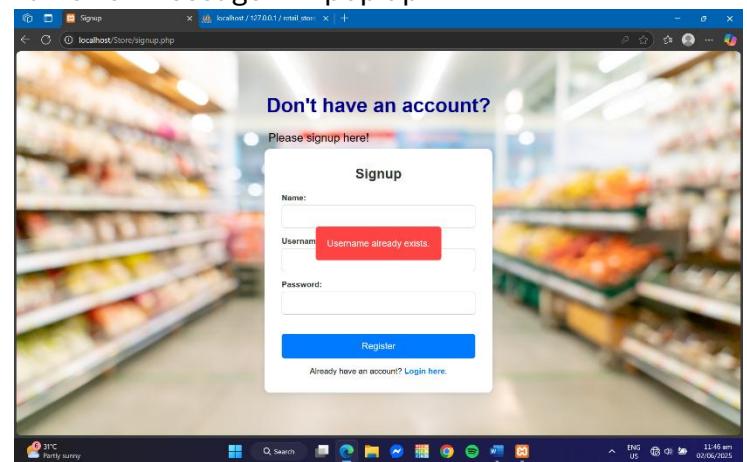
Signup Page:



If the user inputs an incorrect username or password, an error message will pop up.



If the user registers a duplicate/existing username, an error message will pop up.

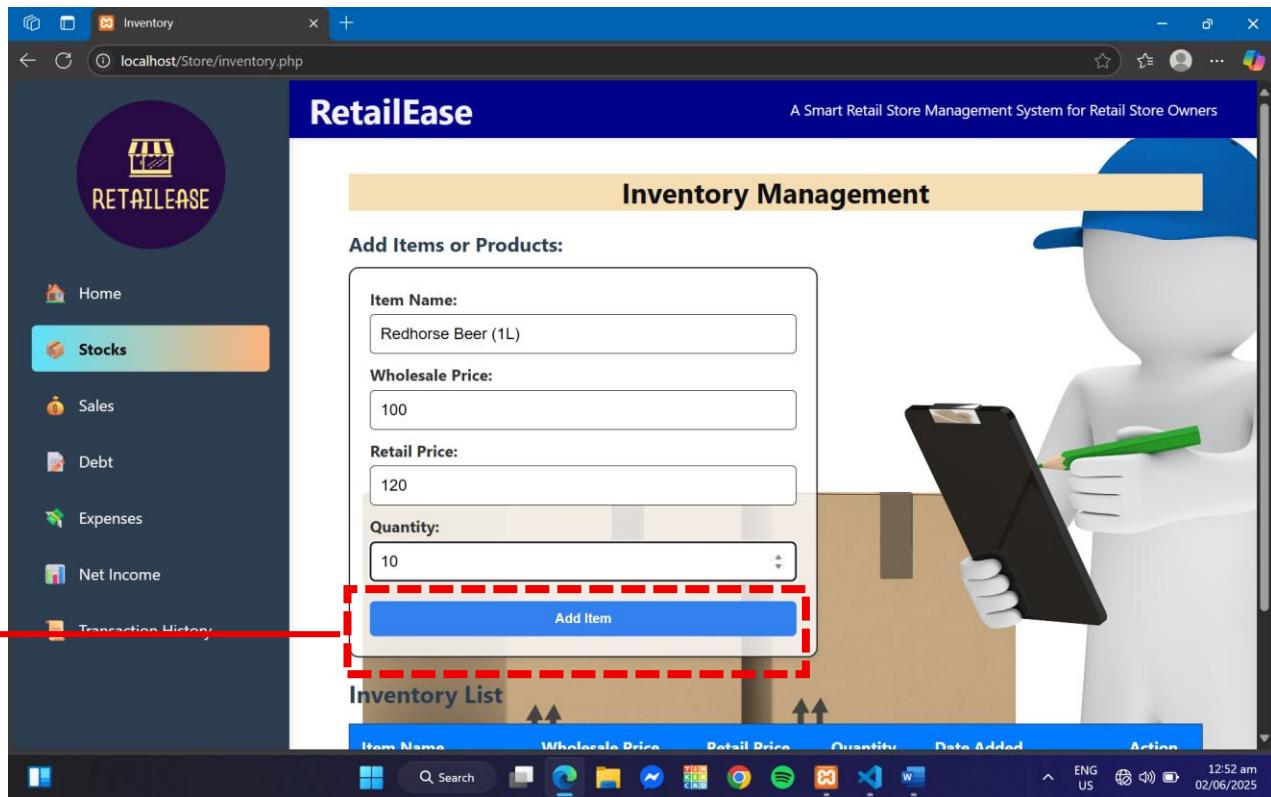


Home Page:

The screenshot shows a web browser window titled "Home Page" with the URL "localhost/Store/index.php". The main content area is titled "RetailEase" and features a welcome message: "Welcome, Jomel Candinato!". Below the message, it says, "This is the home page. You can navigate using the sidebar." A central callout box is titled "What is RetailEase?" and describes the system as a Smart Retail Store Management System designed to streamline retail operations by managing transactions like inventory, sales, debt, expenses, and net income. It highlights the user-friendly interface, real-time data tracking, and features for monitoring stock levels, tracking sales performance, managing customer debts, and analyzing financial insights. The sidebar on the left contains navigation links: Home (which is selected), Stocks, Sales, Debt, Expenses, Net Income, and Transaction History. The bottom of the screen shows a Windows taskbar with various pinned icons and system status indicators.

Stocks Page:

This is the **Inventory/Stocks Page** of the system, where we can be able to add an item together with its price and quantity. To add an item, what we need is to fill up the necessary fields such as item name, wholesale price, retail price, and its quantity.

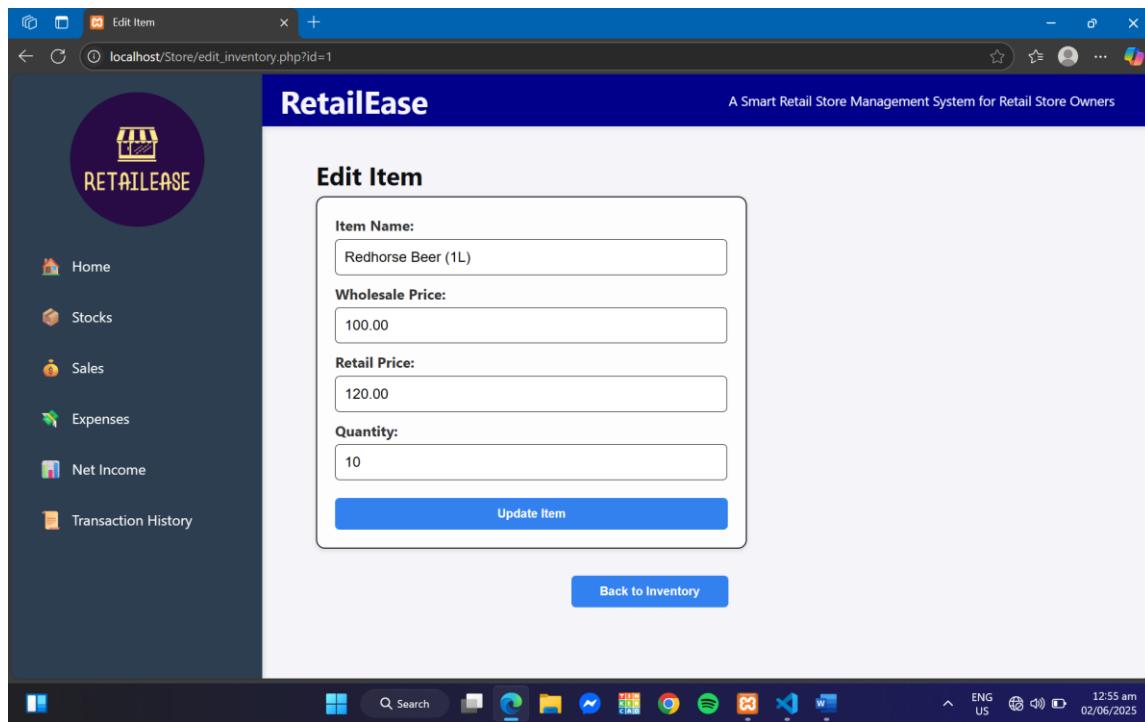


After clicking the **Add Item** button, this notification will pop up, and the item will now be displayed in the Inventory List.



Item Name	Wholesale Price	Retail Price	Quantity	Date Added	Action
Redhorse Beer (1L)	100.00	120.00	10	2025-06-01 18:48:22	Edit

We can also edit an item. Upon clicking the **Edit** button, we can edit the wholesale price, retail price, and quantity of a specific item. This edit feature can be used especially when there's a sudden change of prices in the real market.



If we are going to add an existing item or if we added an item before and we add it again with the same name, it will not display a new list of items; it will just update its quantity.

Existing item

Item Name	Wholesale Price	Retail Price	Quantity	Date Added	Action
Redhorse Beer (1L)	100.00	120.00	10	2025-06-01 18:48:22	Edit
Bottled Water (500ml)	10.00	15.00	10	2025-06-01 18:50:12	Edit

Add Items or Products:

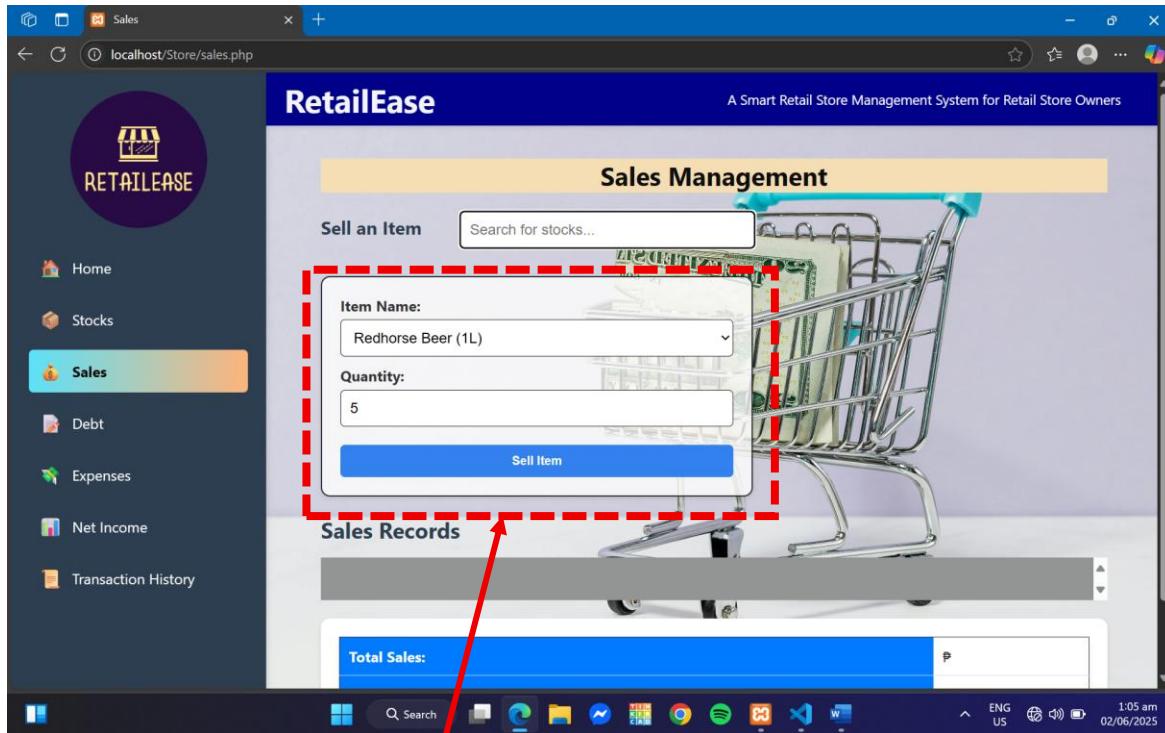
Item Name: Bottled Water (500ml)	Wholesale Price: 10	Retail Price: 15	Quantity: 11	Add Item
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localhost says
Item quantity updated successfully.

Item Name	Wholesale Price	Retail Price	Quantity	Date Added	Action
Redhorse Beer (1L)	100.00	120.00	10	2025-06-01 18:48:22	Edit
Bottled Water (500ml)	10.00	15.00	21	2025-06-01 18:50:12	Edit

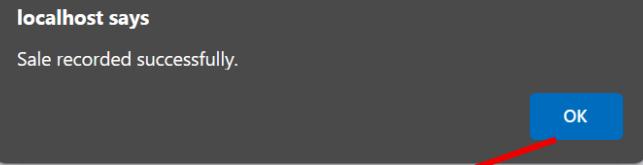
Sales Page:

The **Sales Page** allows us to sell items.



To sell an item, we can choose from a **dropdown list** of items that are fetched from the inventory. We can also input a quantity of an item of how many we are going to sell.

After clicking the **Sell Item** button, this notification will pop up, and the sold item will now be displayed in the Sales Records.



A screenshot of the 'Sales Records' table. The table has columns: Item Name, Quantity Sold, Total Retail Price, Sales Revenue, and Sale Date. One row is shown: Redhorse Beer (1L), 5, 600.00, 100.00, 2025-06-02 01:06:08. Above the table is a shopping cart icon. Below the table is a summary box with 'Total Sales:' and 'Income from Sales:' fields, both containing '₱ 600.00' and '₱ 100' respectively. A red arrow points from the 'Total Sales:' field to the explanatory text below.

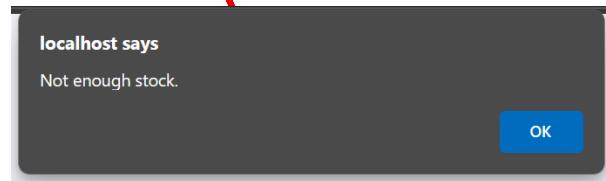
Item Name	Quantity Sold	Total Retail Price	Sales Revenue	Sale Date
Redhorse Beer (1L)	5	600.00	100.00	2025-06-02 01:06:08

The **Total Sales** refers to the sum of the retail prices and quantities of items sold while the **Income from Sales** is the sum of all the sales revenue.

Also, the Sales Page has a **Search for stocks** feature for us to be able to view the quantity of an item in the inventory.

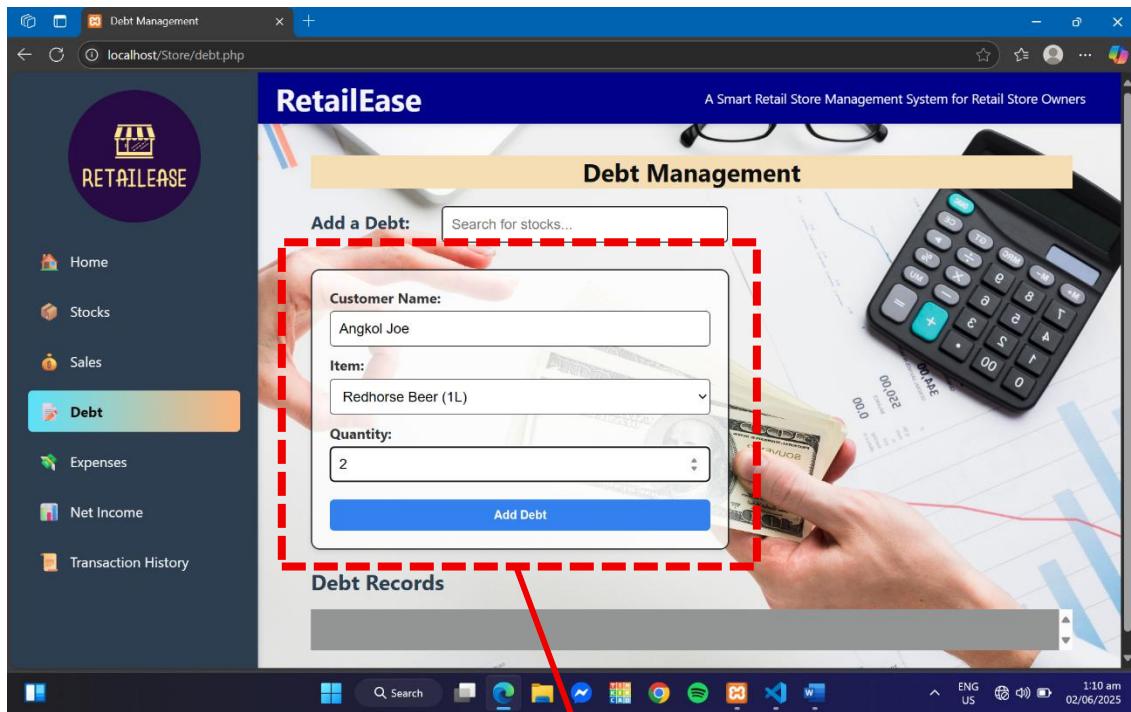
The screenshot shows the RetailEase Sales Management interface. On the left is a sidebar with a logo and links: Home, Stocks, Sales (which is highlighted in blue), Debt, Expenses, Net Income, and Transaction History. The main area has a header "RetailEase" and "A Smart Retail Store Management System for Retail Store Owners". Below the header is a section titled "Sales Management" with a sub-section "Sell an Item". A search bar contains the letter "Re". A table displays an item's details: Item Name (Redhorse Beer (1L)), Wholesale Price (100.00), Retail Price (120.00), Quantity (5), and Date Added (2025-06-01 18:48:22). Below the table is a form with "Item Name:" set to "Redhorse Beer (1L)" and "Quantity:" set to "100". A "Sell Item" button is at the bottom of the form. To the right of the form is a shopping cart icon containing money bills. Red arrows point from the sidebar link "Sales" to the "Sales Management" section, and from the "Quantity" input field in the form to a modal window below.

If we sell an item and input a quantity that exceeds its quantity from the inventory, an error message will pop up.



Debt Page:

The **Debt Page** is closely related to the Sales Page. It has a **Search for stocks** feature and a **dropdown list** of items based on its availability in the inventory.



localhost says
Debt added successfully.

OK

But when a debt is made by a specific customer, the amount of an item made as debt will not be added to the Total Sales. It will be recorded with an **Unpaid** status. The only thing that will be affected is the quantity of an item owed by someone.

Debt Records							
Customer Name	Item Name	Quantity	Total Amount	Date	Status	Action	
Angkol Joe	Redhorse Beer (1L)	2	240.00	2025-06-02 01:10:32	Unpaid	Pay	

localhost says
Are you sure you want to mark this debt as paid?

OK

Cancel

The amount of item made as debt will only be added to the Total Sales if the customer pays his or her owed item. For example, if we click on **Pay** action, its status will become **Paid**, and it will be converted as a sale on the Sales Page as well as adding its corresponding amount to the Total Sales.

Debt Records							
Customer Name	Item Name	Quantity	Total Amount	Date	Status	Action	
Angkol Joe	Redhorse Beer (1L)	2	240.00	2025-06-02 01:10:32	Paid		

Sales Records				
Item Name	Quantity Sold	Total Retail Price	Sales Revenue	Sale Date
Redhorse Beer (1L)	2	240.00	40.00	2025-06-02 01:12:52
Redhorse Beer (1L)	5	600.00	100.00	2025-06-02 01:06:08
Total Sales:			₱ 840.00	
Income from Sales:			₱ 140	

Expenses Page:

The system's **Expenses Page** allows us to add an expense. In this page, we can input the type of expense, amount and date.

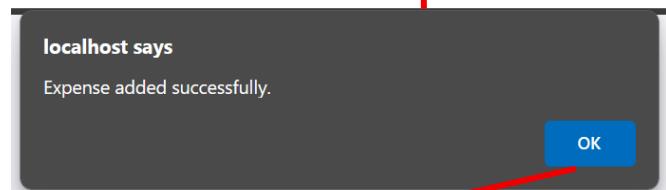
Expenses Management

Add Expense

Expense Type: Mobile Load
Amount: 100
Date and Time: 02/06/2025 01:14 am

Expense Records

After clicking the **Add Expense** button, this notification will pop up, and the expense will be recorded in the **Expense Records**.



Expense Records

Expense Type	Amount	Date and Time	Actions
Mobile Load	100.00	2025-06-02 01:14:00	Delete

Total Expenses: ₱ 100

Total Sales before expenses

Sales Records				
Item Name	Quantity Sold	Total Retail Price	Sales Revenue	Sale Date
Redhorse Beer (1L)	2	240.00	40.00	2025-06-02 01:12:52
Redhorse Beer (1L)	5	600.00	100.00	2025-06-02 01:06:08
Total Sales:			₱ 840.00	
Income from Sales:			₱ 140	

VS

Total Sales after expenses

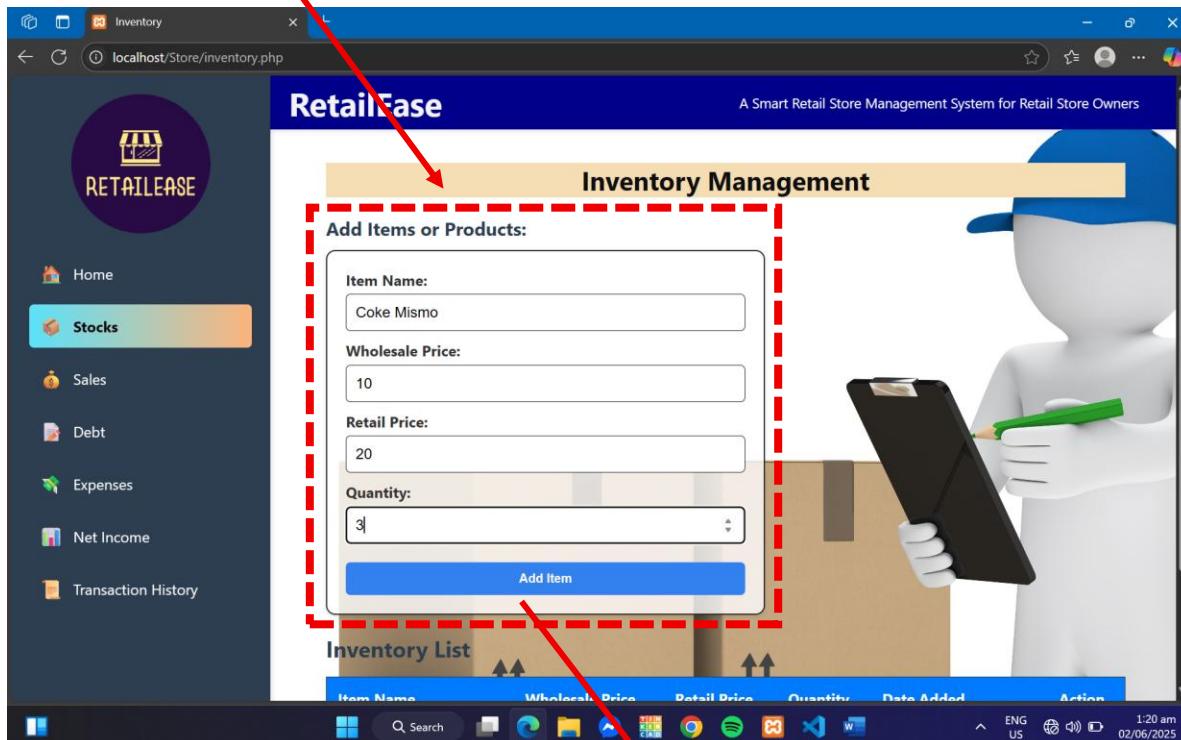
Sales Records				
Item Name	Quantity Sold	Total Retail Price	Sales Revenue	Sale Date
Redhorse Beer (1L)	2	240.00	40.00	2025-06-02 01:12:52
Redhorse Beer (1L)	5	600.00	100.00	2025-06-02 01:06:08
Total Sales:			₱ 740.00	
Income from Sales:			₱ 140	

When an expense is made, its amount is a **deduction** in the Total Sales because the Total Sales represents as the capital money for all the retail store transactions.

Talking about deductions in Total Sales, since we now have generated sales based on the items sold and when we **add a new item** to our inventory, its **wholesale price and quantity is a deduction** from the Total Sales.

For example, we want to add a new item:

- 3 pieces “Coke Mismo”
- wholesale price = P10.00
- retail price = P20.00.



Item Name	Wholesale Price	Retail Price	Quantity	Date Added	Action
Redhorse Beer (1L)	100.00	120.00	3	2025-06-01 18:48:22	Edit
Bottled Water (500ml)	10.00	15.00	21	2025-06-01 18:50:12	Edit
Coke Mismo	10.00	20.00	3	2025-06-01 19:21:20	Edit

Total Sales before adding Coke Mismo

Sales Records					
Item Name	Quantity Sold	Total Retail Price	Sales Revenue	Sale Date	
Redhorse Beer (1L)	2	240.00	40.00	2025-06-02 01:12:52	
Redhorse Beer (1L)	5	600.00	100.00	2025-06-02 01:06:08	

Total Sales: ₱ 740.00

Income from Sales: ₱ 140

Total Sales (₱740.00) – Coke Mismo's Wholesale Price & Quantity (3 x 10 = ₱30.00)

Total Sales after adding Coke Mismo

Sales Records					
Item Name	Quantity Sold	Total Retail Price	Sales Revenue	Sale Date	
Redhorse Beer (1L)	2	240.00	40.00	2025-06-02 01:12:04	
Redhorse Beer (1L)	5	600.00	100.00	2025-06-02 01:02:32	

Total Sales: ₱ 710.00

Income from Sales: ₱ 140

Net Income Page:

The **Net Income** is calculated by subtracting the **Total Expenses** from the **Income from Sales**.

Income from Sales:	₱ 140.00
Total Expenses:	₱ 100.00
Net Income:	₱ 40

Transaction History Page:

The **Transaction History Page** shows all the transactions that happened throughout the retail store operation.

Transaction Type	Item Name	Quantity	Transaction Date
add_item	Redhorse Beer (1L)	10	2025-06-02 00:48:22
add_item	Bottled Water (500ml)	10	2025-06-02 00:50:12
add_item	Bottled Water (500ml)	5	2025-06-02 00:52:28
add_item	Bottled Water (500ml)	6	2025-06-02 00:53:09
sale	Redhorse Beer (1L)	5	2025-06-02 01:02:32
debt	Redhorse Beer (1L)	2	2025-06-02 01:11:48
debt_payment	Redhorse Beer (1L)	2	2025-06-02 01:12:04
expense	Mobile Load	100	2025-06-02 01:14:00

This page has an **Export** button. Upon clicking it, it will download all the transaction history records into an Excel document format.

The screenshot shows the RetailEase Transaction History page. A red arrow points from the bottom right of the page area down to a Windows file download dialog titled "Downloads". The dialog shows a single item: "transaction_history.xls" with the "Open file" option selected. The main page displays a table of transaction history data:

Transaction Type	Item Name	Quantity	Transaction Date
add_item	Redhorse Beer (1L)	10	2025-06-02 00:48:22
add_item	Bottled Water (500ml)	10	2025-06-02 00:50:12
add_item	Bottled Water (500ml)	5	2025-06-02 00:52:28
add_item	Bottled Water (500ml)	6	2025-06-02 00:53:09
sale	Redhorse Beer (1L)	5	2025-06-02 01:02:32
debt	Redhorse Beer (1L)	2	2025-06-02 01:11:48
debt_payment	Redhorse Beer (1L)	2	2025-06-02 01:12:04
expense	Mobile Load	100	2025-06-02 01:14:00

The screenshot shows a Microsoft Excel spreadsheet titled "transaction_history". A red arrow points from the bottom right of the page area in the previous screenshot to the top left of this screenshot, indicating the data has been imported into Excel. The data is presented in a table format:

Transaction Type	Item Name	Quantity	Transaction Date
add_item	Redhorse Beer (1L)	10	02/06/2025 0:48
add_item	Bottled Water (500ml)	10	02/06/2025 0:50
add_item	Bottled Water (500ml)	5	02/06/2025 0:52
add_item	Bottled Water (500ml)	6	02/06/2025 0:53
sale	Redhorse Beer (1L)	5	02/06/2025 1:02
debt	Redhorse Beer (1L)	2	02/06/2025 1:11
debt_payment	Redhorse Beer (1L)	2	02/06/2025 1:12
expense	Mobile Load	100	02/06/2025 1:14
add_item	Coke Mismo	3	02/06/2025 1:21

Logout:

In the bottom right corner of the home page, there's a **Logout** button, and if we click on it, we will be redirected back to the Login page.

