

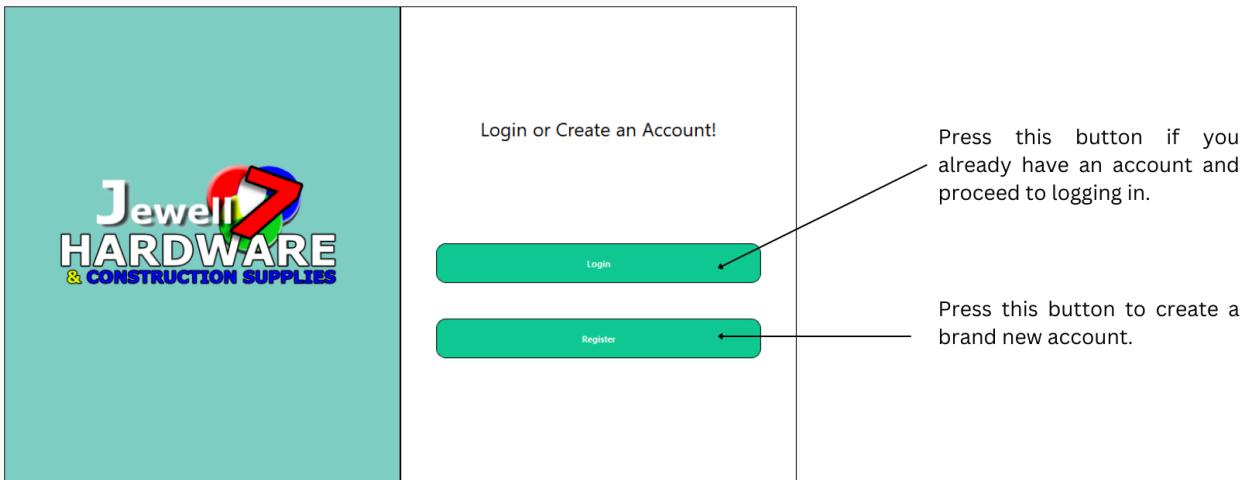


Product Management System with Point of Sale for Jewell 7 Hardware.

USER MANUAL

Published July 07, 2024

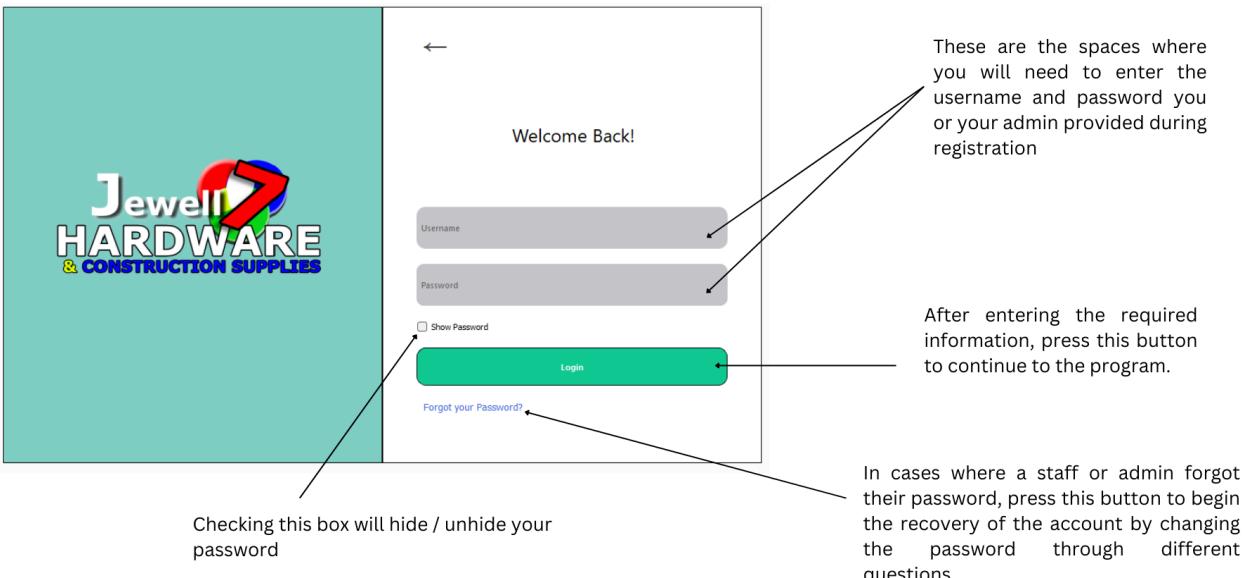
I. Initial Screen

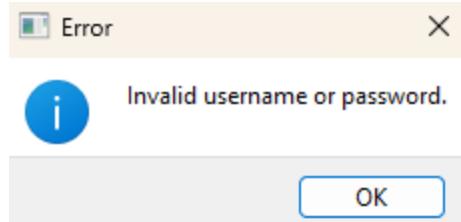


Upon opening the program, the user is greeted with this initial screen which leads to either login or registration.

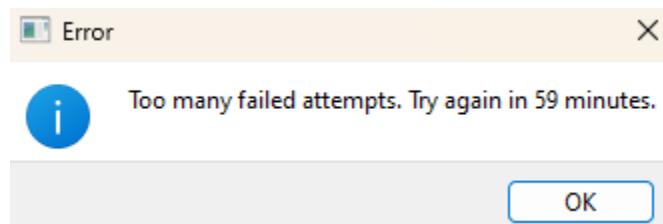
II. Account Login

To login, users must input their registered accounts' username and password.

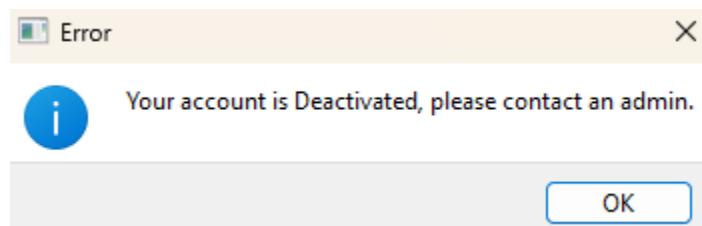




If the password doesn't match the registered username, the following message will appear. Make sure you entered the right details. If you are a staff member and forgot your password, contact your administrator so they can update your account details personally.

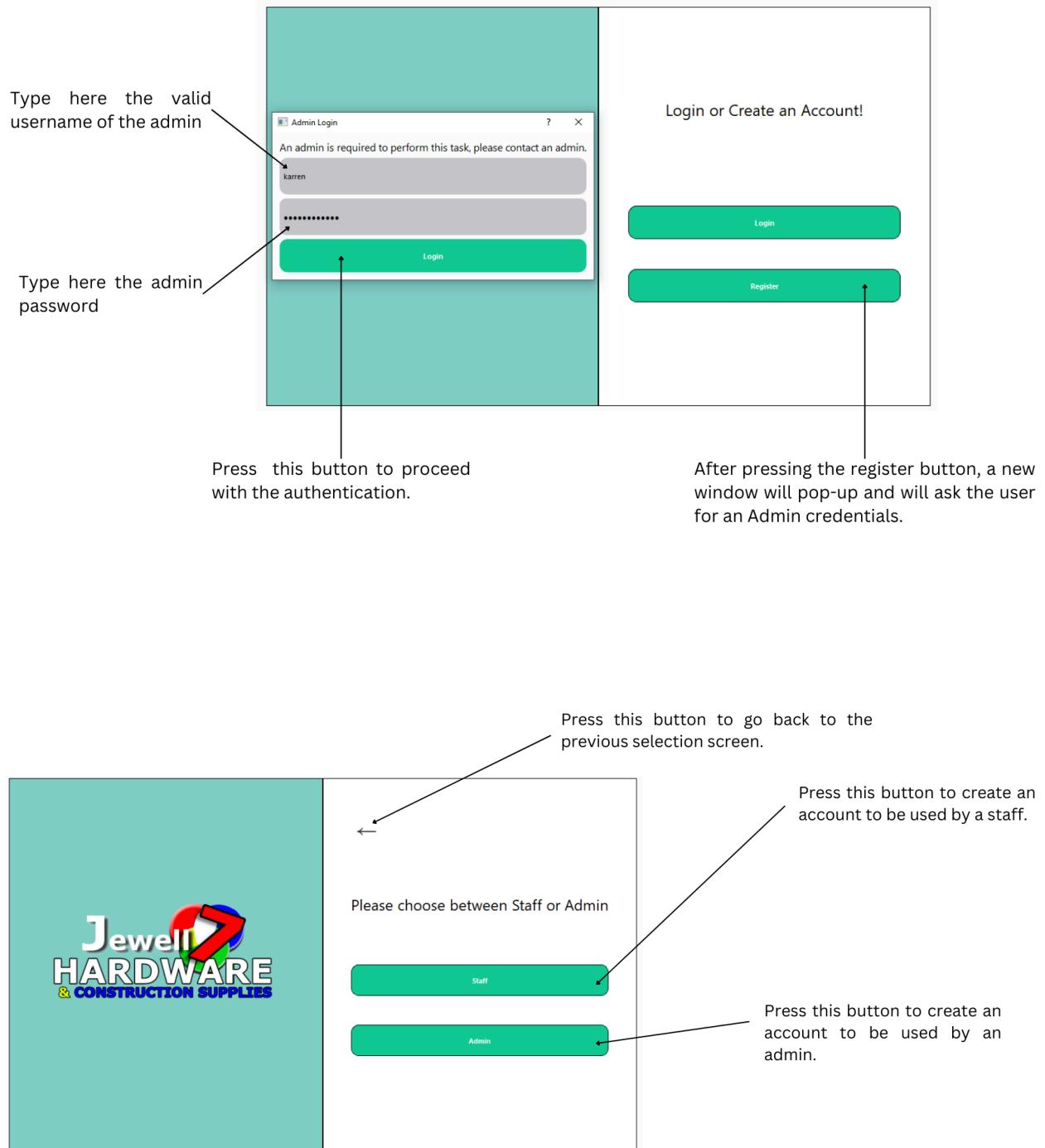


If a user fails to log in 5 times in a row, the system will block further login attempts until a timer expires.



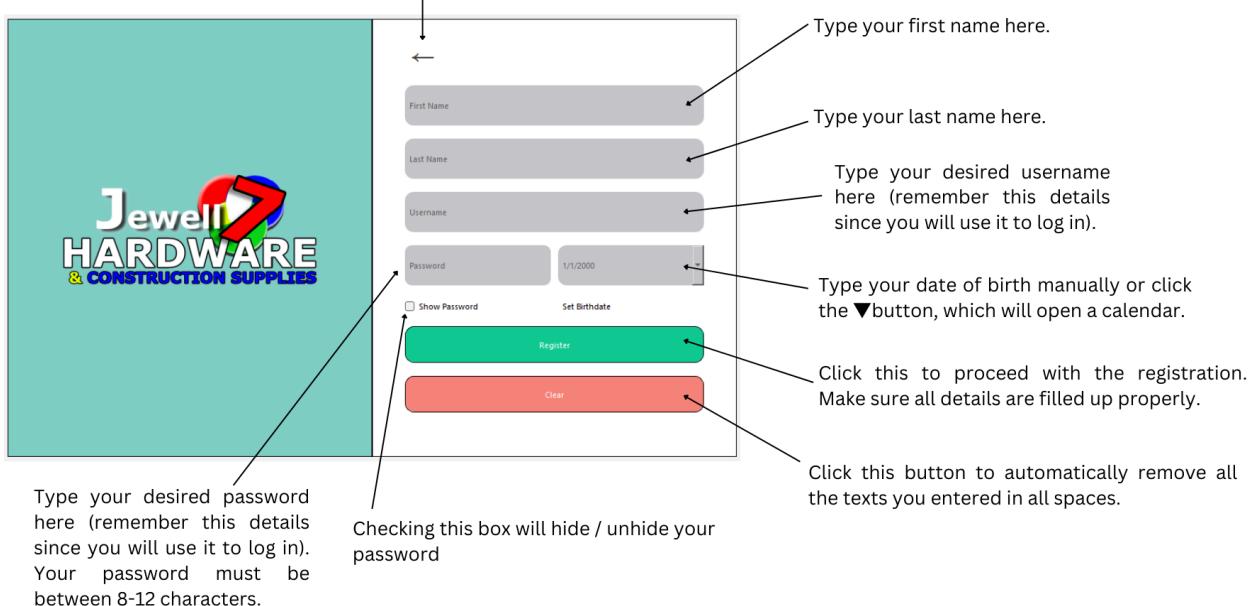
Users with deactivated accounts cannot log in. Please contact your administrator to resolve this issue.

III. Account Registration



Staff Account Registration

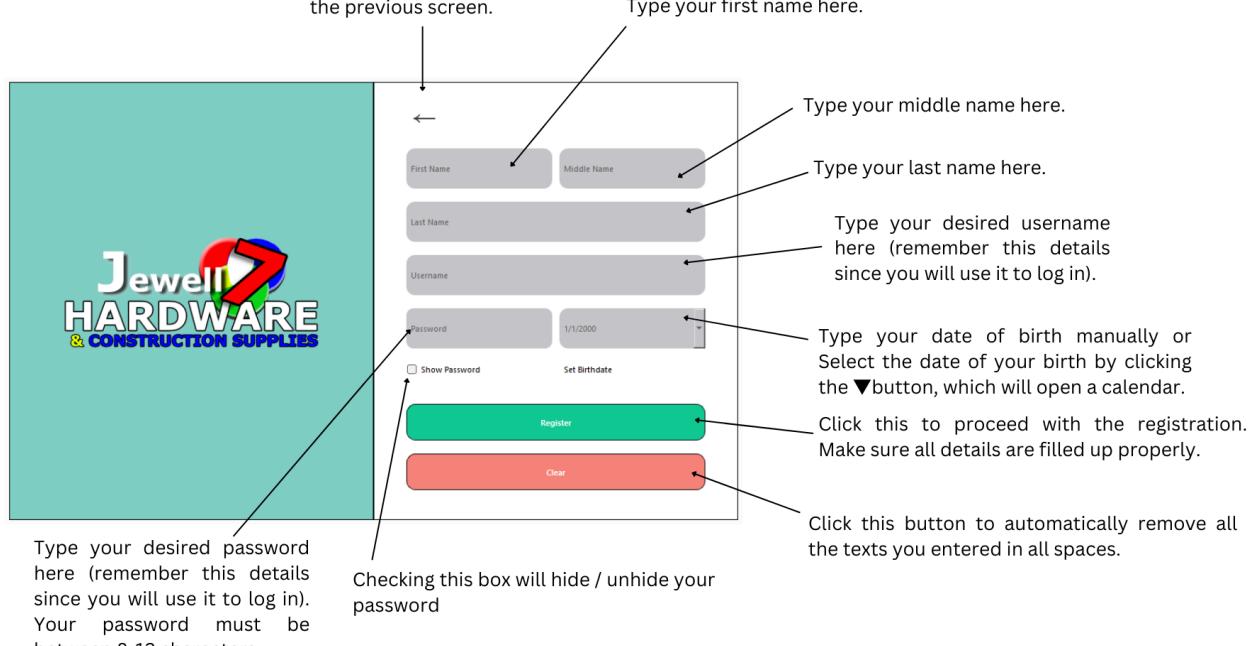
Press this button to go back to the previous screen.



The registration screen for staff accounts features a teal header with the "Jewell HARDWARE & CONSTRUCTION SUPPLIES" logo. Below the header is a white registration form. The form includes fields for First Name, Last Name, Username, Password, and Date of Birth (1/1/2000). It also includes a "Show Password" checkbox, a "Set Birthdate" link, a green "Register" button, and a red "Clear" button. A note at the bottom left specifies password requirements: "Type your desired password here (remember this details since you will use it to log in). Your password must be between 8-12 characters." A note at the bottom center says, "Checking this box will hide / unhide your password". A note at the bottom right says, "Click this button to automatically remove all the texts you entered in all spaces." A note at the top right says, "Type your first name here." Another note at the top right says, "Type your last name here." A third note at the top right says, "Type your desired username here (remember this details since you will use it to log in)." A fourth note at the top right says, "Type your date of birth manually or click the ▾button, which will open a calendar." A fifth note at the top right says, "Click this to proceed with the registration. Make sure all details are filled up properly."

Admin Account Registration

Press this button to go back to the previous screen.



The registration screen for admin accounts is similar to the staff account screen, featuring a teal header with the "Jewell HARDWARE & CONSTRUCTION SUPPLIES" logo. The registration form includes fields for First Name, Middle Name, Last Name, Username, Password, and Date of Birth (1/1/2000). It includes a "Show Password" checkbox, a "Set Birthdate" link, a green "Register" button, and a red "Clear" button. A note at the bottom left specifies password requirements: "Type your desired password here (remember this details since you will use it to log in). Your password must be between 8-12 characters." A note at the bottom center says, "Checking this box will hide / unhide your password". A note at the bottom right says, "Click this button to automatically remove all the texts you entered in all spaces." A note at the top right says, "Type your first name here." Another note at the top right says, "Type your middle name here." A third note at the top right says, "Type your last name here." A fourth note at the top right says, "Type your desired username here (remember this details since you will use it to log in)." A fifth note at the top right says, "Type your date of birth manually or Select the date of your birth by clicking the ▾button, which will open a calendar." A sixth note at the top right says, "Click this to proceed with the registration. Make sure all details are filled up properly."

IV. Forgot Password/Changing of Password

Press this button to go back to the previous screen.

Type your date of birth manually or click the ▾button, which will open a calendar.

Type your middle name here.

Type again your new password here, make sure that it's exactly the same with your new password.

Click this to proceed with the changing of password. Make sure all details are filled up properly.

Checking this box will hide / unhide your password

Type your new desired password here (remember this details since you will use it to log in). Your password must be between 8-12 characters.

Forgot and changing of password is only exclusive to the Administrators. Only they can change their account passwords accordingly.

The Admin must input his/her registered birthdate and middle name within the system. Then, the system will check if it matches the Admin's account.

V. Dashboard

Admin Dashboard

The Admin has access to all the modules within the system.



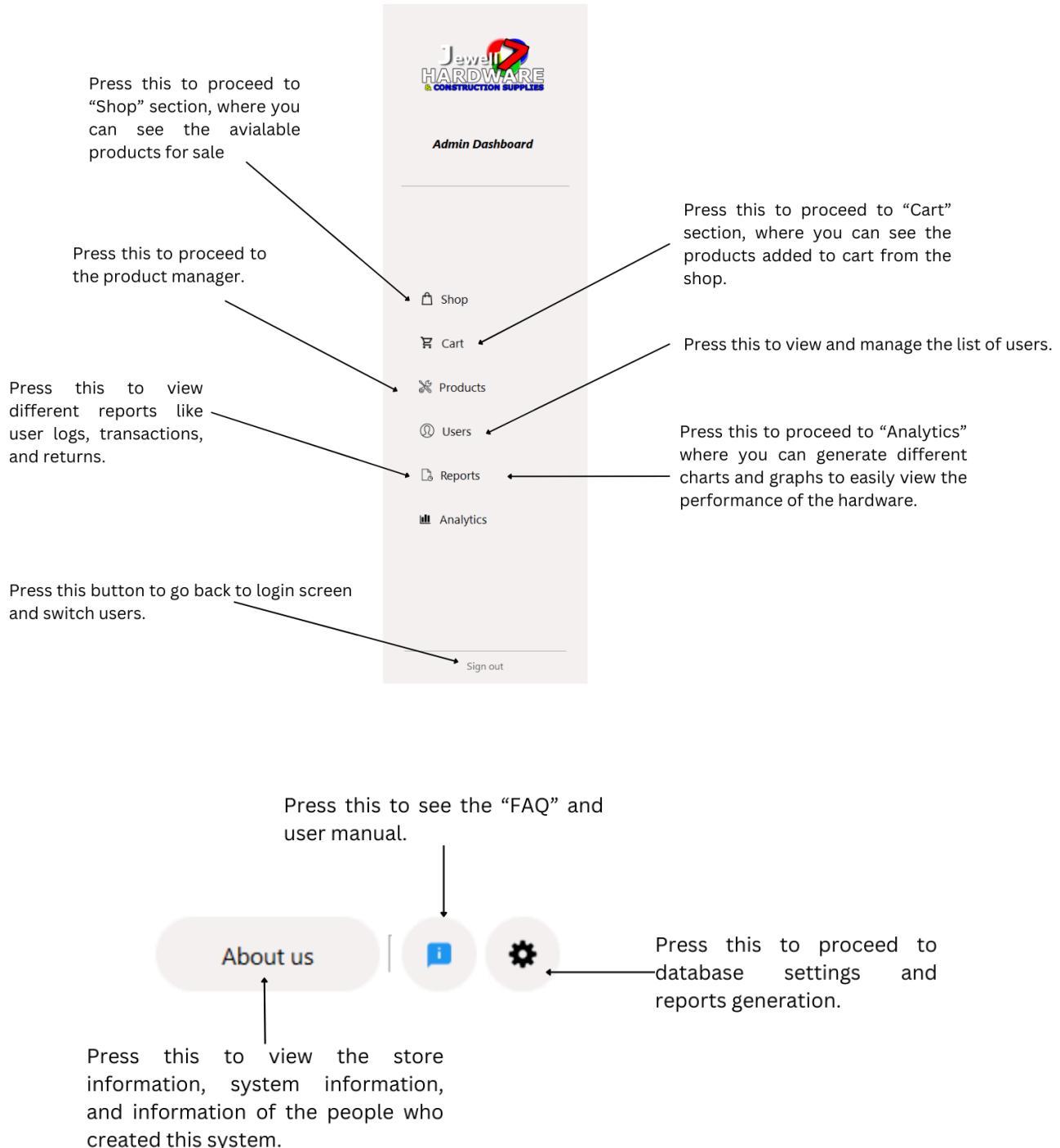
Staff Dashboard

The Staff only has access to Shop, Cart, About Us, Help and Sign out, unlike the admin.



Navigation

These buttons will allow you to navigate throughout the system and perform their corresponding tasks.



VI. Shop

This section of the program will display all the items that are available for sales along with other crucial information about the different products. In shop, you can search for a specific product, or add a selected product to the cart (the product which is to be purchased by a customer).

After typing the desired product , press this to search among the list.

You can type the product that you want to search here.

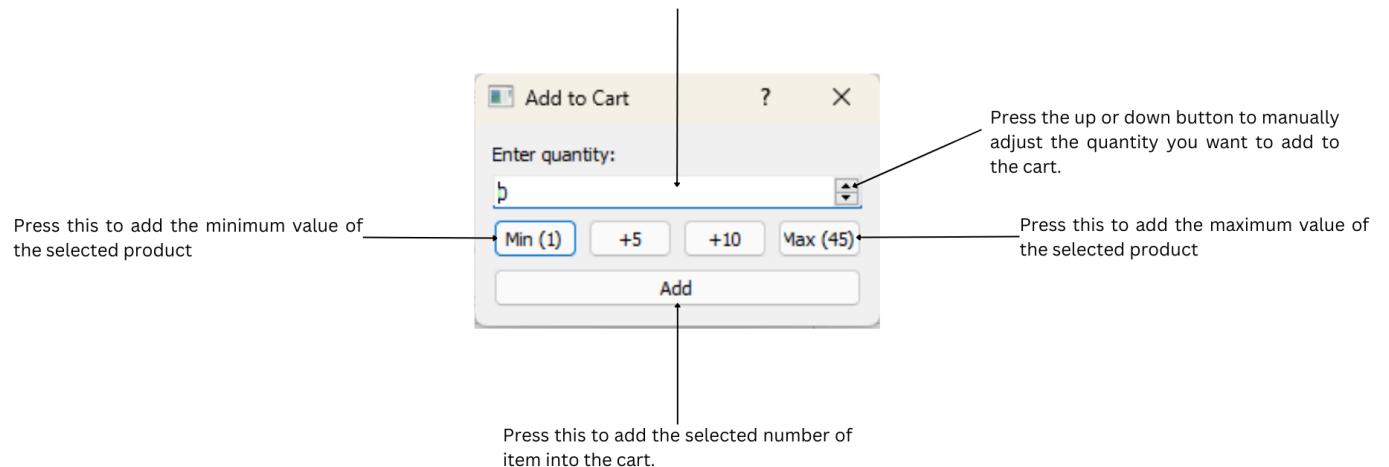
The screenshot shows the Admin Dashboard interface. On the left, there's a sidebar with links: Admin Dashboard, Shop (which is highlighted in green), Cart, Products, Users, Reports, and Analytics. Below the sidebar is a 'Sign out' link. The main content area is titled 'Shop' and contains a search bar with placeholder text 'Search shop...'. Below the search bar is a table with columns: Product, Brand, Variation, Size, Price, Items in Stock, and Category. The table lists various items like Nail Polish ni Vohan, Paint, Hammer, Smartphone, Plywood, Wrench, etc., with their respective details. At the bottom right of the main content area is a green button labeled 'Add to cart' with a shopping cart icon. Arrows from the explanatory text points to the search bar and the 'Add to cart' button.

Product	Brand	Variation	Size	Price	Items in Stock	Category
Nail Polish ni Vohan	wana	black	None	69.69	20	cosmetics
Paint	Boysen	Black	10kg	799.99	78	construction
Hammer	Hp	Metal	16mm	949.99	11	tool
Smartphone	BrandB	ModelY	6 inch	599.99	6	gadget
Plywood	None	Oak	None	499.99	16	construction
Wrench	None	Silver	None	299.99	16	tool
Wrench	None	Silver	None	299.99	16	tool
electrical tape	hbw	-	-	11.11	45	tool
electrical tape	hbw	-	-	11.11	45	tool
Keyboard	BrandE	ModelV	Standard	49.99	7	hardware
Plywood	-	Oak	12x16	499.99	17	construction
Paint	x	white	None	89.99	102	construction
Hammer	Acer	Wood	12mm	899.99	13	tool
Cement	max	None	10kg	699.99	22	construction
Wrench	Acer	Gray	None	289.99	18	tool
Mouse	Logi	Pinky	None	999.0	79	hardware
Acrylic Paint	Boysen	Pink	-	99.0	93	construction
Acrylic Paint	-	-	-	99.0	93	construction

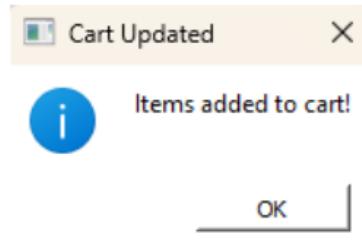
Press this button so that the selected item will be added to the cart.

Add to Cart

Type here the exact number of available product that you want to put into the cart.



After pressing add to cart, this window will pop-up.



A successful checkout will pop this dialog up.

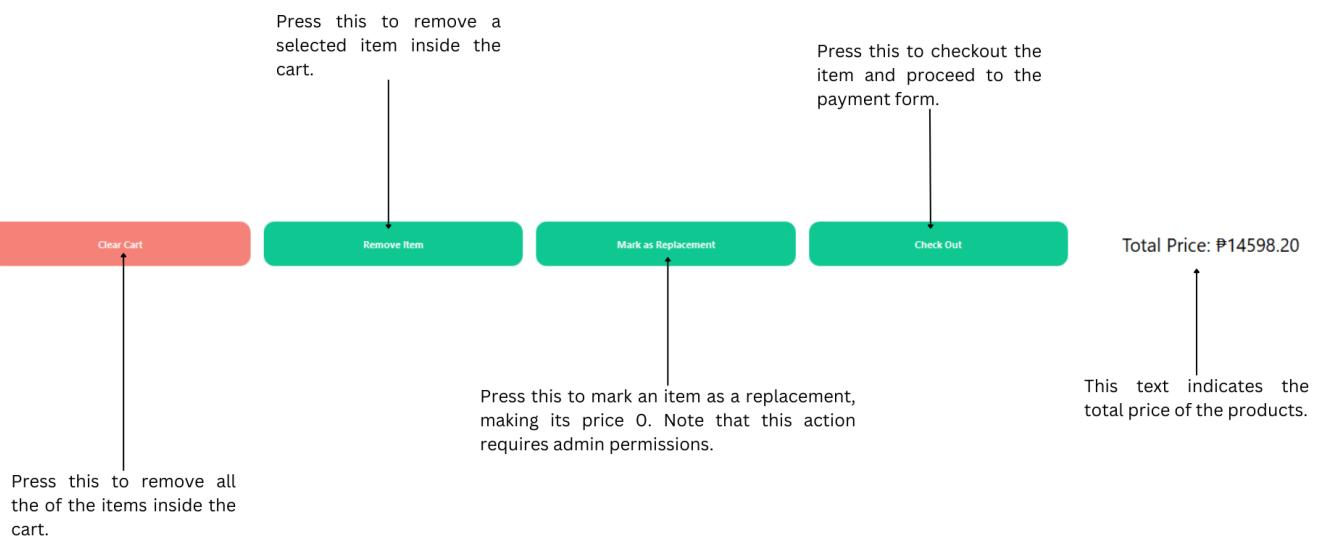
VI. Cart

This section of the program will display all the items that were added to the cart from the shop. In this section, the cashier can perform different tasks to the products that are within the cart.

The screenshot shows the Admin Dashboard for JEWEL HARDWARE & CONSTRUCTION SUPPLIES. On the left sidebar, there are links for Shop, Cart (which is highlighted in green), Products, Users, Reports, and Analytics. The main area displays a table of items in the cart:

Product	Brand	Variation	Size	Quantity	Total Price
Hammer	Hp	Metal	16mm	5	4749.95
Paint	Boysen	Black	10kg	5	3999.95
Nail Polish mi Yohan	wana	black	None	5	348.45
Wrench	None	Silver	None	5	1499.95
Wrench	None	Silver	None	5	1499.95
Plywood	-	Oak	12x16	5	2499.95

A bracket on the right side of the table indicates that it lists items added to the cart. At the bottom of the main area, there are four buttons: Clear Cart (red), Remove Item (green), Mark as Replacement (green), and Check Out (green). To the right of these buttons, the total price is displayed as Total Price: ₱14598.20. Below the sidebar, there is a link for Sign out.



Mark as replacement

Product	Brand	Variation	Size	Quantity	Total Price
Plywood	None	Oak	None	5	2499.95
Smartphone	BrandB	ModelY	6 inch	5	0.00
Paint	x	white	None	5	449.95

This is an example of an item that is marked as a replacement.

Checkout

The following payment form will pop-up after checking out.

A screenshot of a "Payment Form" window. The window title is "Payment Form". Inside, there are four input fields: "Customer Name" (containing "Karren"), "Contact Number" (containing "09093649109"), "Address" (containing "Bulelak St. Marikina City"), and "Amount Paid (₱)" (containing "8200"). At the bottom are two buttons: "Clear" and "Complete".

Type here the name of the customer

Type here the exact address of the customer

Type here the contact number of the customer

Type the amount that the customer gave to you here.

Press this to quickly clear all the items you typed.

After typing the sufficient amount of payment, press this button to finish the transaction.

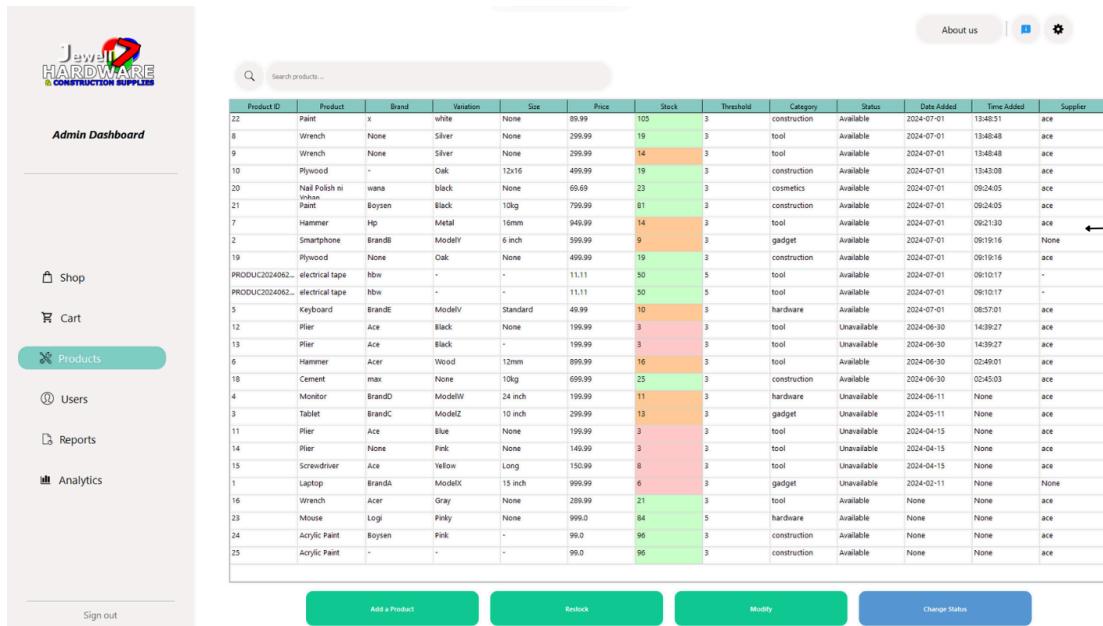
Receipt

After successful payment, an unofficial receipt will be shown containing the important information within the transaction.



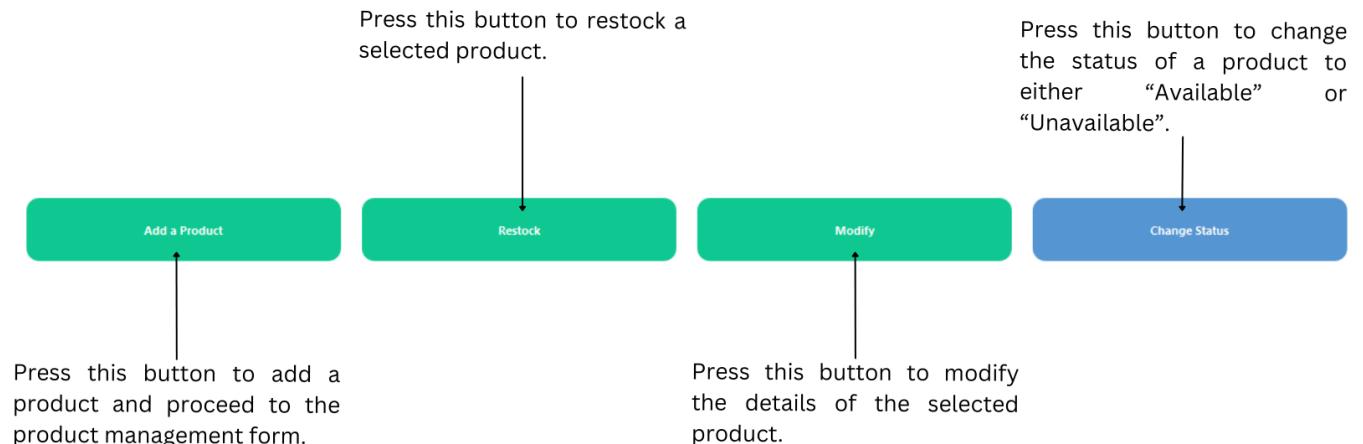
VII. Products

This section of the program will display all the items that were added to the system, along with their respective important details. Only the admin can manage the products within the system and update the inventory as they wish.



The screenshot shows the Admin Dashboard interface. On the left, there's a sidebar with navigation links: Admin Dashboard, Shop, Cart, Products (which is highlighted in green), Users, Reports, and Analytics. At the bottom of the sidebar are 'Sign out' and four buttons: 'Add a Product' (green), 'Restock' (green), 'Modify' (green), and 'Change Status' (blue). The main area features a search bar at the top with placeholder text 'Search products...'. Below it is a large table with columns: Product ID, Product, Brand, Variation, Size, Price, Stock, Threshold, Category, Status, Date Added, Time Added, and Supplier. The table contains 25 rows of product data. A callout box on the right side of the table states: 'This table displays all of the information about the products.' with an arrow pointing to the table.

Product ID	Product	Brand	Variation	Size	Price	Stock	Threshold	Category	Status	Date Added	Time Added	Supplier
22	Paint	x	white	None	89.99	105	3	construction	Available	2024-07-01	13:48:51	ace
8	Wrench	None	Silver	None	299.99	19	3	tool	Available	2024-07-01	13:48:48	ace
9	Wrench	None	Silver	None	299.99	14	3	tool	Available	2024-07-01	13:48:48	ace
10	Plywood	-	Oak	12x16	499.99	19	3	construction	Available	2024-07-01	13:43:05	ace
20	Nail Polish	ni	wans	black	69.69	23	3	cosmetics	Available	2024-07-01	09:24:05	ace
21	Paint	Boysen	Black	10kg	799.99	81	3	construction	Available	2024-07-01	09:24:05	ace
7	Hammer	Hp	Metal	16mm	949.99	14	3	tool	Available	2024-07-01	09:21:30	ace
2	Smartphone	BrandB	ModelY	6 inch	599.99	9	3	gadget	Available	2024-07-01	06:19:16	None
19	Plywood	None	Oak	None	499.99	19	3	construction	Available	2024-07-01	06:19:16	ace
PRODUC2024062...	electrical tape	hbw	-	-	11.11	50	5	tool	Available	2024-07-01	06:10:17	-
PRODUC2024062...	electrical tape	hbw	-	-	11.11	50	5	tool	Available	2024-07-01	06:10:17	-
5	Keyboard	BrandE	ModelV	Standard	49.99	10	3	hardware	Available	2024-07-01	08:57:01	ace
12	Plier	Ace	Black	None	199.99	3	3	tool	Unavailable	2024-06-30	14:39:27	ace
13	Plier	Ace	Black	-	199.99	3	3	tool	Unavailable	2024-06-30	14:39:27	ace
6	Hammer	Acer	Wood	12mm	899.99	16	3	tool	Available	2024-06-30	02:49:01	ace
18	Cement	max	None	10kg	699.99	25	3	construction	Available	2024-06-30	02:45:03	ace
4	Monitor	BrandD	ModelW	24 inch	199.99	11	3	hardware	Unavailable	2024-06-11	None	ace
3	Tablet	BrandC	ModelZ	10 inch	299.99	13	3	gadget	Unavailable	2024-06-11	None	ace
11	Plier	Ace	Blue	None	199.99	3	3	tool	Unavailable	2024-06-15	None	ace
14	Plier	None	Pink	None	149.99	3	3	tool	Unavailable	2024-06-15	None	ace
15	Screwdriver	Ace	Yellow	Long	150.99	8	3	tool	Unavailable	2024-06-15	None	ace
1	Laptop	BrandA	ModelX	15 inch	999.99	6	3	gadget	Unavailable	2024-02-11	None	None
16	Wrench	Acer	Gray	None	289.99	21	3	tool	Available	None	None	ace
23	Mouse	Logi	Pinky	None	999.0	84	5	hardware	Available	None	None	ace
24	Acrylic Paint	Boysen	Pink	-	99.0	96	3	construction	Available	None	None	ace
25	Acrylic Paint	-	-	-	99.0	96	3	construction	Available	None	None	ace



Add a Product

This interface will open upon clicking “Add a Product”.

The screenshot shows a software interface titled "Product Management". The form includes the following fields and controls:

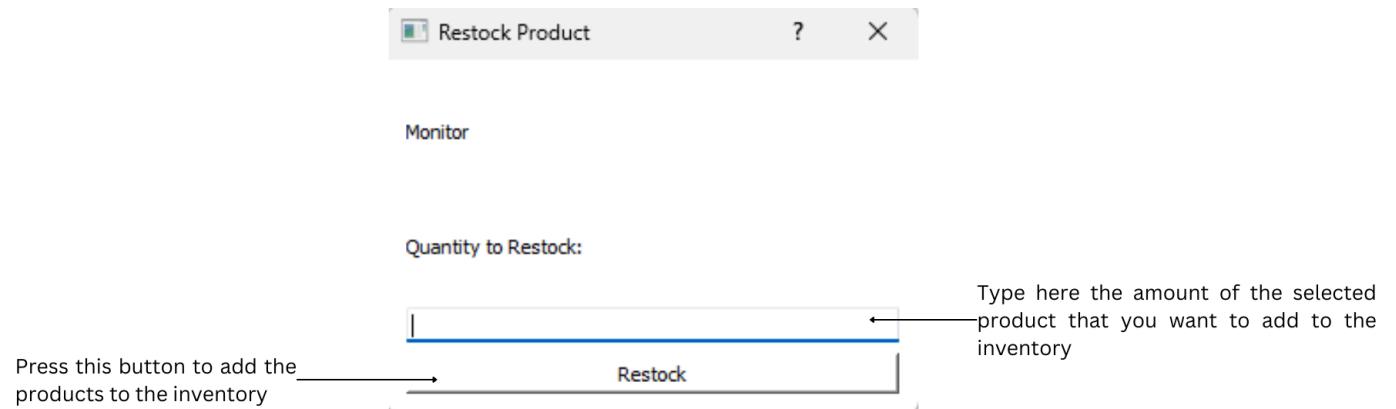
- Product ID:** PRODUC20240701SJG (readonly)
- Product Name:** * (Required field)
- Brand:** (Text input)
- Var:** (Text input)
- Size:** (Text input)
- Price:** * (Required field)
- Qty:** * (Required field)
- Category:** * (Dropdown menu or "New Category" button)
- Threshold:** 5 (Number input with up/down arrows)
- Status:** *
Available (radio button selected)
Unavailable (radio button)
- Supplier:** (Text input)
- Add** (Submit button)

Annotations provide additional context for some fields:

- Product ID: A computer-generated ID for each product. This value can not be edited.
- Product Name: Type the product name here. This field is required.
- Brand: Type the product brand here.
- Var: Type the product variation here (color, material type, etc.).
- Size: Type the product size here.
- Price: Type the price here, this field is required.
- Qty: Type the product quantity here, this field is required.
- Category: Specify the product category here. You can use the dropdown menu for existing category or the textbox for new category.
- Threshold: Manually type or increase and decrease the threshold using the arrows.
- Status: Select here whether the product will be listed as available or not.
Available = for sale
Unavailable = not for sale
- Supplier: Type the name of supplier here, if applicable.
- Add: Press the “add” button to store new product information in the system.

Restock

This interface will open upon clicking “Restock” while having a product selected.



Modify a Product

This interface will open upon clicking “Modify a Product” while having a product selected.

The screenshot shows a Windows-style dialog box titled "Modify Product". It contains the following fields:

- Product ID: 14
- Product Name: * Plier
- Brand: (empty)
- Var: Pink
- Size: (empty)
- Price: * 149.99
- Qty: * 3
- Category: * tool (dropdown menu) New Category
- Threshold: 3
- Status: * Available Unavailable
- Supplier: ace

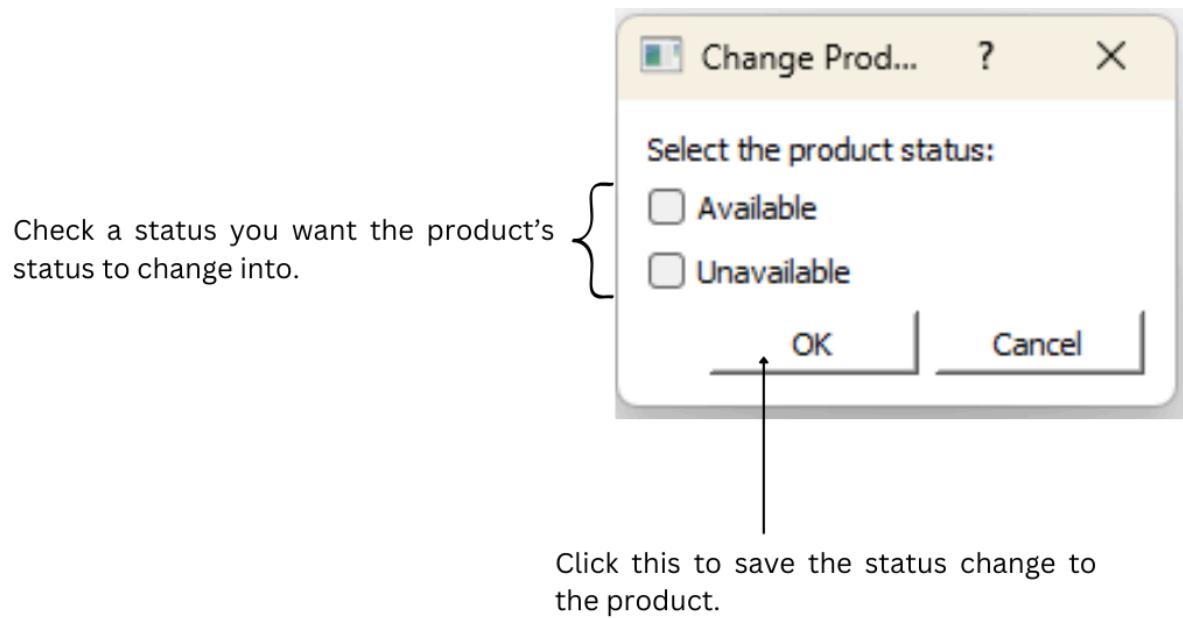
At the bottom right of the dialog is a "Modify" button.

Click the space below the product detail you want to modify, and type the new detail you want to replace it with.

Click this button to save the modification.

Change Status

This interface will open upon clicking “Change Status” while having a product selected.



VII. Users

This section of the program will display all the users registered within the system. The admin can perform different tasks to a user's account.

The screenshot shows the Admin Dashboard for 'Jewell HARDWARE & CONSTRUCTION SUPPLIES'. On the left, a sidebar lists navigation options: Shop, Cart, Products, **Users** (highlighted in green), Reports, and Analytics. The main area displays a table of users with columns: First Name, Last Name, Username, Password, Level of Access, and Status. A search bar at the top right allows filtering by user name. At the bottom are 'Modify' and 'Activate / Deactivate' buttons.

First Name	Last Name	Username	Password	Level of Access	Status
John	Doe	qwe	qwe	admin	Active
Gojo	Hinati	lktat11	hollowpurple	staff	Active
bryan	Bamzon	bryx	123	admin	Active
jose	tan	jumu	password123	admin	Active

Click this to modify the account details of the selected user.

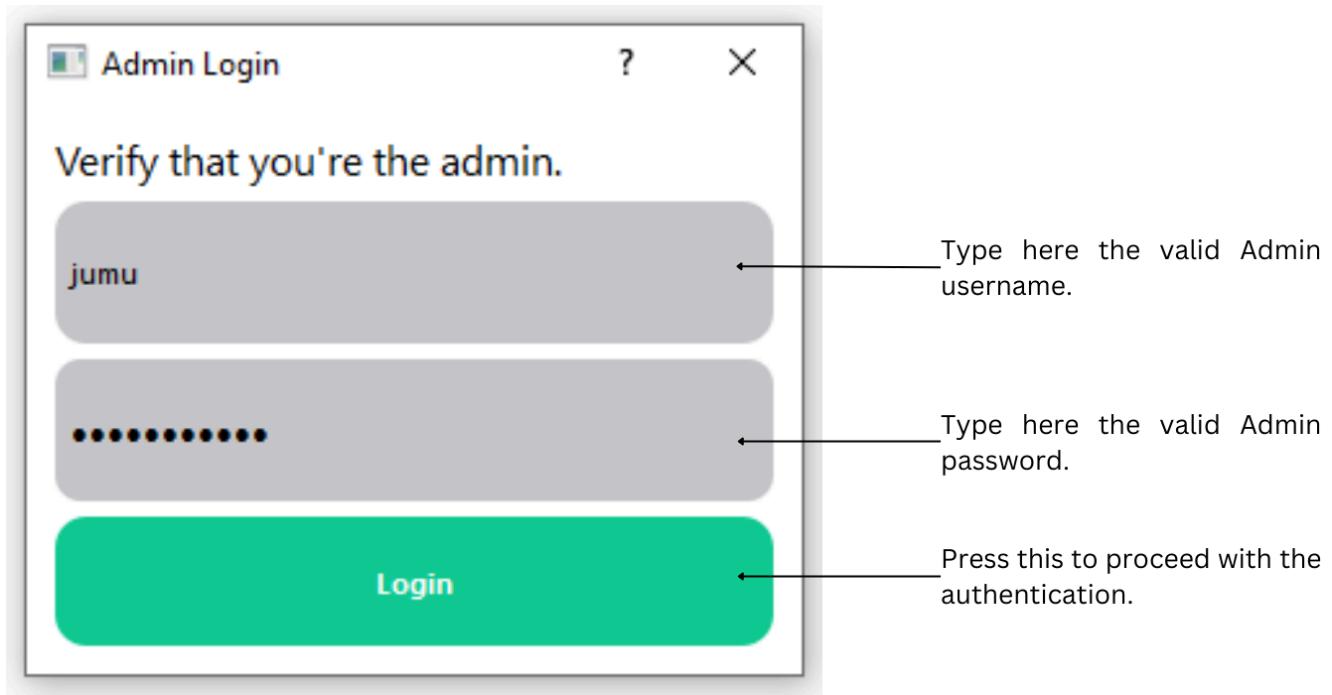
Modify

Click this to Activate/Deactivate a user's account. An account is enabled when it is activated. Otherwise, it's disabled.

Activate / Deactivate

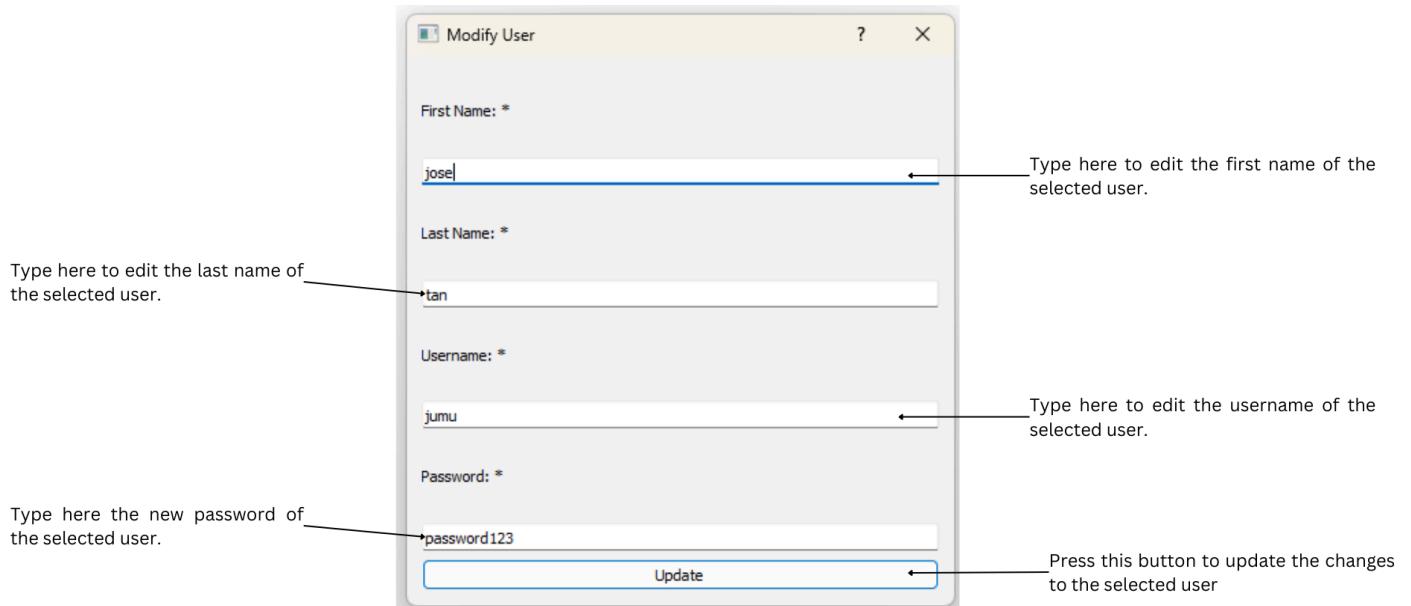
Admin Authentication

After pressing the modify button, a dialog box will pop-up and will ask the user for an Admin.



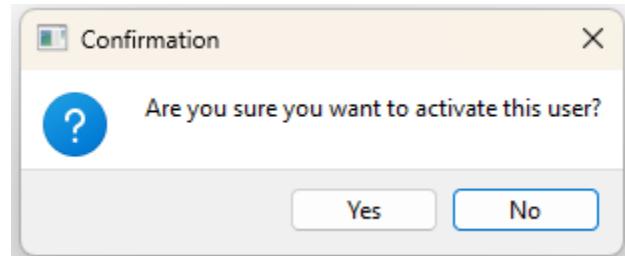
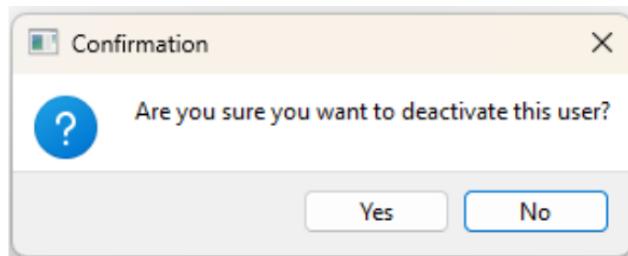
Modify User

This will pop-up when the “Modify User” button is clicked.



Activate / Deactivate

These will pop-up when the “Activate / Deactivate ” button is clicked.



VIII. Reports

This section of the program will display all reports regarding the system. It will display reports such as the user_logs, transactions, and returns.

User Logs

This table will show when the “User Logs” tab is clicked.

The screenshot shows the Jewel Hardware Admin Dashboard. On the left, there's a sidebar with links for Shop, Cart, Products, Users, Reports (which is highlighted in green), and Analytics. The main area has a search bar and tabs for User Logs, Transactions, and Returns. The User Logs tab is active, displaying a table of user activities. The table has columns for Log ID, User ID, Action, Time, and Date. Each row represents a specific event like login or logout at a certain time on a given date. An annotation with an arrow points from the text "This table displays all the user activities within the system." to the table.

Log ID	User ID	Action	Time	Date
LOG20240701KU	USER20240701G	register	08:04 AM	2024-07-01
LOG20240701EK	USER20240701G	changed password	08:11 AM	2024-07-01
LOG20240701NAS	USER20240701G	login	08:17 AM	2024-07-01
LOG20240701KNN	USER20240701G	logout	08:19 AM	2024-07-01
LOG20240701TXA	USER20240701G	changed password	08:25 AM	2024-07-01
LOG20240701LKG	USER20240621A	login	08:56 AM	2024-07-01
LOG20240701MF	USER20240621A	checkout	08:57 AM	2024-07-01
LOG20240701MC	USER20240621A	checkout	08:57 AM	2024-07-01
LOG20240701BBA	USER20240621A	login	09:00 AM	2024-07-01
LOG20240701CZS	USER20240621A	logout	09:00 AM	2024-07-01
LOG20240701SDD	USER20240621A	login	09:00 AM	2024-07-01
LOG20240701MML	USER20240621A	logout	09:00 AM	2024-07-01
LOG20240701YZW	USER20240621A	login	09:00 AM	2024-07-01
LOG20240701FB	USER20240621A	login	09:09 AM	2024-07-01
LOG20240701YYV	USER20240621A	logout	09:09 AM	2024-07-01
LOG20240701ICA	USER20240621A	login	09:10 AM	2024-07-01
LOG20240701KOH	USER20240621A	checkout	09:10 AM	2024-07-01
LOG20240701YDV	USER20240621A	checkout	09:10 AM	2024-07-01
LOG20240701XKB	USER20240621A	checkout	09:10 AM	2024-07-01
LOG20240701UT	USER20240621A	login	09:15 AM	2024-07-01
LOG20240701RI	USER20240621A	login	09:17 AM	2024-07-01
LOG20240701LDS	USER20240621A	login	09:18 AM	2024-07-01
LOG20240701LCH	USER20240621A	checkout	09:19 AM	2024-07-01
LOG20240701ORU	USER20240621A	checkout	09:19 AM	2024-07-01
LOG20240701YLN	USER20240621A	login	09:20 AM	2024-07-01
LOG20240701LPE	USER20240621A	login	09:21 AM	2024-07-01
LOG20240701MCZ	USER20240621A	logout	09:21 AM	2024-07-01
LOG20240701ZAB	USER20240621A	login	09:21 AM	2024-07-01

This table displays all the user activities within the system.

Transactions

This table will show when the “Transactions” tab is clicked, along with the different tasks to be performed for the transactions.

The screenshot shows the Jewel Hardware Admin Dashboard. On the left, there's a sidebar with links for Shop, Cart, Products, Users, Reports (which is highlighted in green), and Analytics. At the top right, there are links for About us, Help, and Settings. The main area displays a table titled "User Log" with columns: Log ID, User ID, Action, Time, and Date. The table lists numerous entries from July 1, 2024, showing actions like register, changed password, login, logout, checkout, and login.

Log ID	User ID	Action	Time	Date
LOG20240701GKU	USER20240701G	register	08:04 AM	2024-07-01
LOG20240701KKK	USER20240701G	changed password	08:11 AM	2024-07-01
LOG20240701N4S	USER20240701G	login	08:17 AM	2024-07-01
LOG20240701VNN	USER20240701G	logout	08:19 AM	2024-07-01
LOG20240701TKA	USER20240701G	changed password	08:25 AM	2024-07-01
LOG20240701L0K	USER20240621A	login	08:36 AM	2024-07-01
LOG20240701YMF	USER20240621A	checkout	08:57 AM	2024-07-01
LOG20240701MC	USER20240621A	checkout	08:57 AM	2024-07-01
LOG20240701EBA	USER20240621A	login	09:02 AM	2024-07-01
LOG20240701C2S	USER20240621A	logout	09:00 AM	2024-07-01
LOG20240701D2O	USER20240621A	login	09:02 AM	2024-07-01
LOG20240701M8E	USER20240621A	logout	09:02 AM	2024-07-01
LOG20240701WZW	USER20240621A	login	09:02 AM	2024-07-01
LOG20240701F1F	USER20240621A	login	09:09 AM	2024-07-01
LOG20240701YYV	USER20240621A	logout	09:09 AM	2024-07-01
LOG20240701HCA	USER20240621A	login	09:10 AM	2024-07-01
LOG20240701K0H	USER20240621A	checkout	09:10 AM	2024-07-01
LOG20240701YDY	USER20240621A	checkout	09:10 AM	2024-07-01
LOG20240701CKB	USER20240621A	checkout	09:10 AM	2024-07-01
LOG20240701T0T	USER20240621A	login	09:15 AM	2024-07-01
LOG20240701P9A	USER20240621A	login	09:17 AM	2024-07-01
LOG20240701LDS	USER20240621A	login	09:18 AM	2024-07-01
LOG20240701LCH	USER20240621A	checkout	09:19 AM	2024-07-01
LOG20240701ORU	USER20240621A	checkout	09:19 AM	2024-07-01
LOG20240701YLN	USER20240621A	login	09:20 AM	2024-07-01
LOG20240701LPE	USER20240621A	login	09:21 AM	2024-07-01
LOG20240701MCZ	USER20240621A	logout	09:21 AM	2024-07-01
LOG20240701ZAB	USER20240621A	login	09:21 AM	2024-07-01

This table displays all the user activities within the system.

Press this button to return an item from the selected transaction.

Return Item

Press this button to open the cash register manager

Cash Register

Press this button to generate the receipt for the selected transaction.

Generate Receipt

Press this button to mark a transaction and it will automatically change the color of the transaction's cell.

Flag Transaction

Press this button to check if the total sales is equal to the remaining recorded balance in the system.

Reconcile Cash

Return Item

Select Items to Return

Product	Quantity	Cashier	Customer	Price	Date	Time	Payer
1 Plier	1	John	maki	199.99	2024-06-30	02:39 PM	PAY202406
2 Plier	1	John	maki	199.99	2024-06-30	02:39 PM	PAY202406
3 Paint	1	John	maki	89.99	2024-06-30	02:39 PM	PAY202406

Return Selected

This table displays all the items within the selected transaction

This button will open a window that will let the user edit the return details.

Enter Return Quantity

Return Quantity:

Select Reason for Returning:

Wrong Item

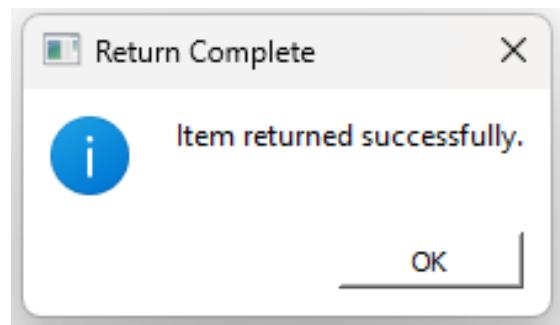
OK Cancel

Enter Return Quantity

Return Quantity:

Select Reason for Returning:

Wrong Item
Wrong Item
Defective
Damaged

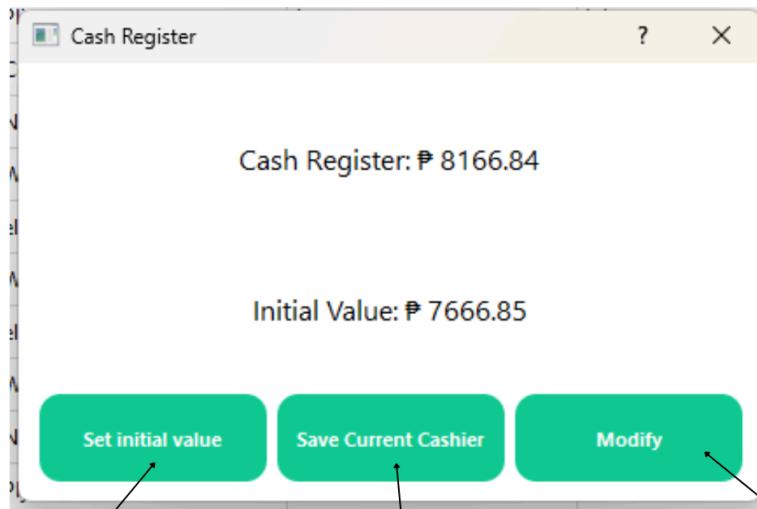


Flag Transaction

1299.97	Paint	1	John	bini gwen	799.99	2024-06-30	02:50 AM	PAY20240630GZV
	Plier	1	John	bini gwen	199.99	2024-06-30	02:50 AM	PAY20240630GZV
	Plier	1	John	maki	199.99	2024-06-30	02:39 PM	PAY20240630DJE
489.97	Plier	1	John	maki	199.99	2024-06-30	02:39 PM	PAY20240630DJE
	Paint	1	John	maki	89.99	2024-06-30	02:39 PM	PAY20240630DJE
1449.98	Hammer	1	John	lorde	949.99	2024-06-30	03:07 PM	PAY20240630XAY
	Plywood	1	John	lorde	499.99	2024-06-30	03:07 PM	PAY20240630XAY

This is an example of a transaction
that's been flagged.

Cash Register

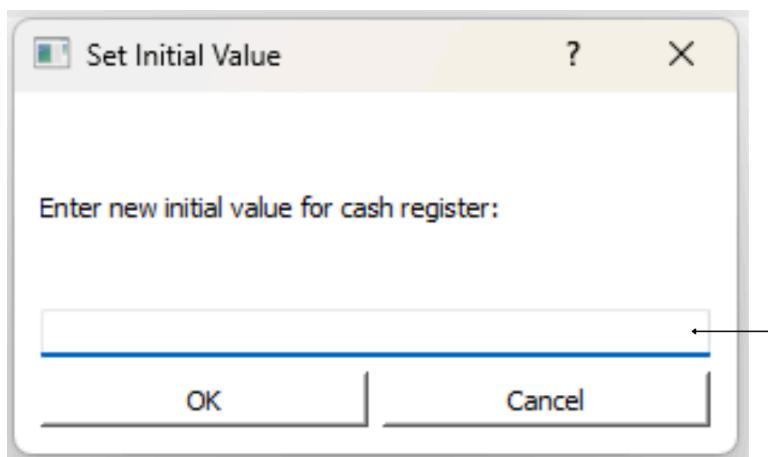


This will manually change the starting value of the system's cash register.

This will manually update current value of the system's cash register.

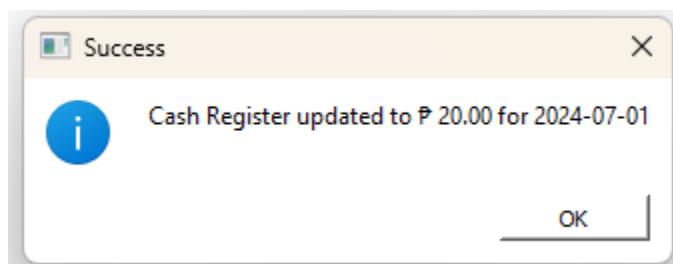
This will modify the value of the system's cash register

Set Initial Value

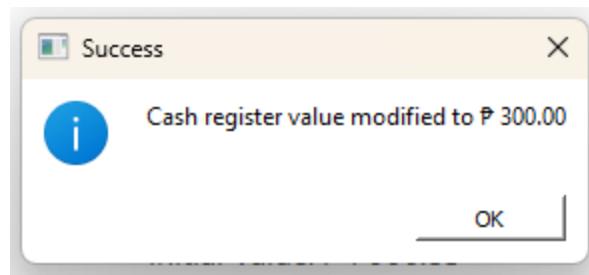
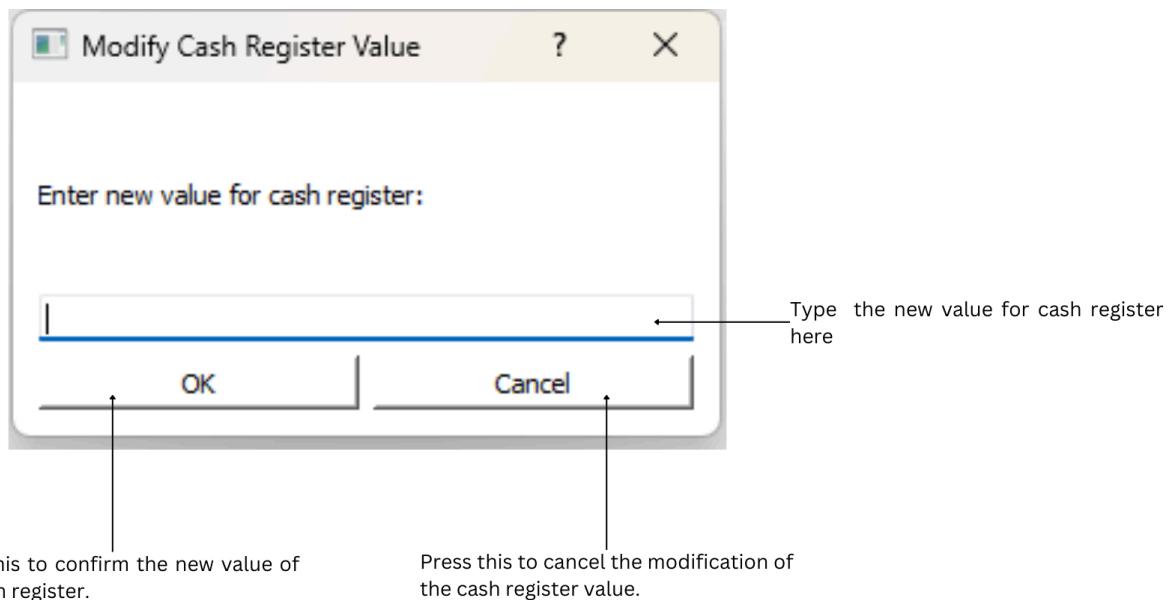


Type the initial cash value of the cash register. The initial value will serve as a reference whether the total revenue at the end of the day matches the total cash within the register deducted by the initial value.

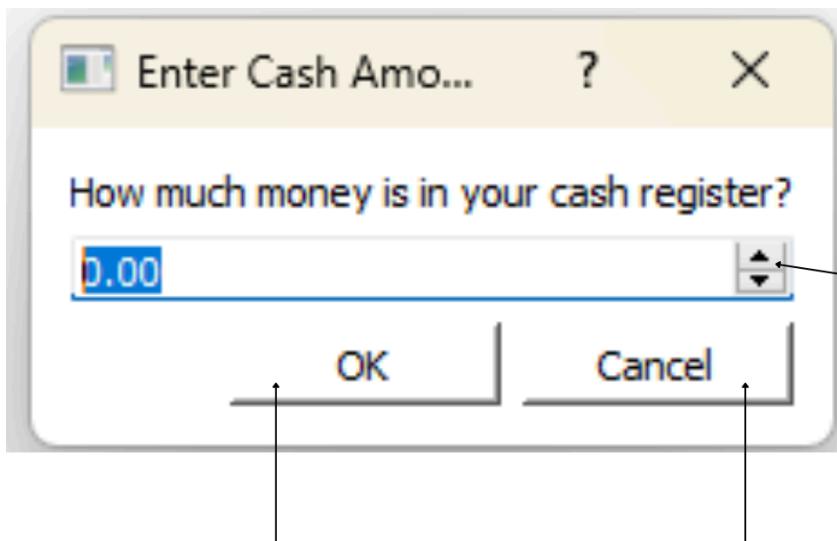
Save Current Cashier



Modify Cash Register

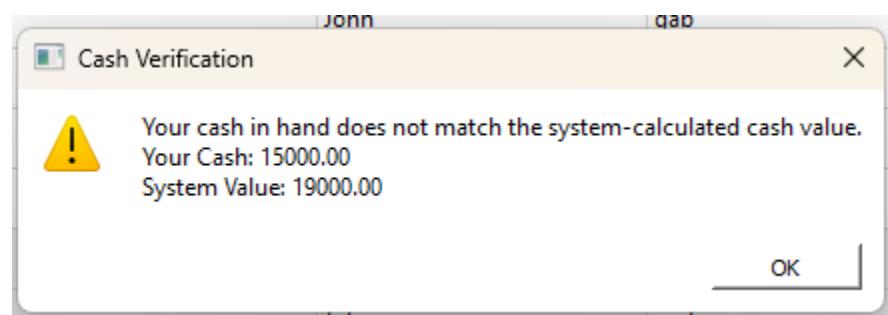
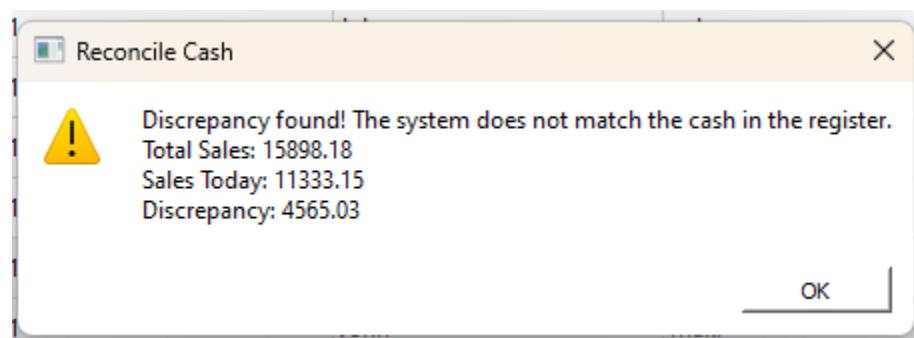


Reconcile Cash



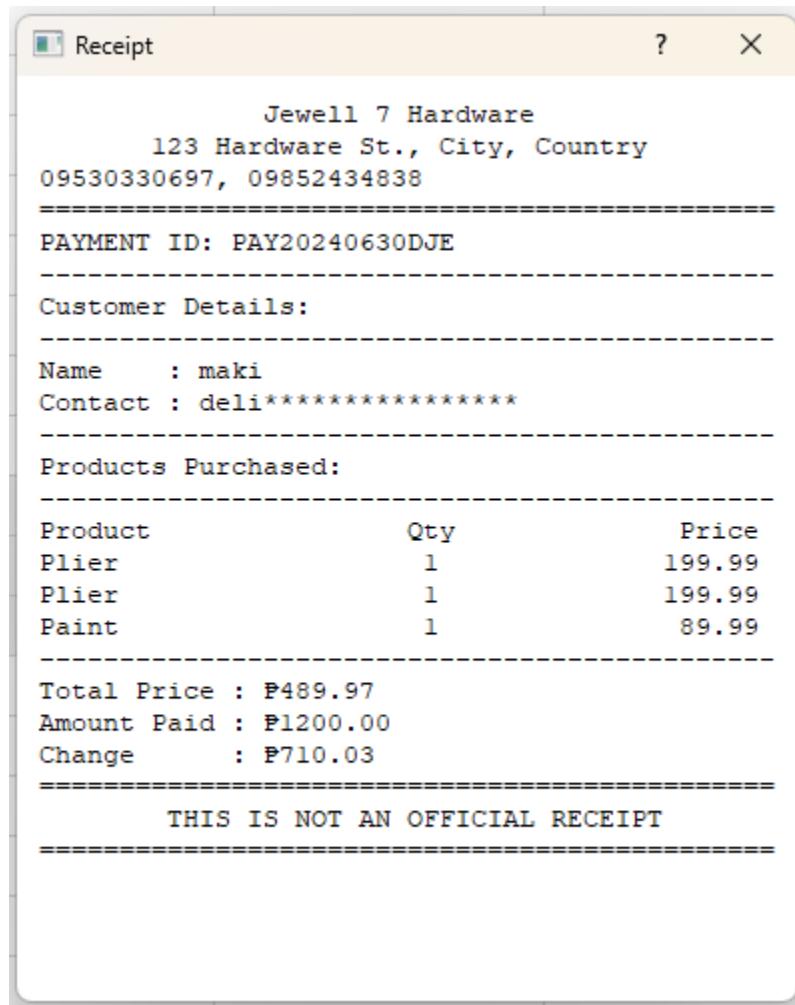
Press this to confirm the value of the cash register.

Press this to cancel



Generate Receipt

This will button will generate an unofficial receipt for the selected transaction, which includes all the important information within the transaction.



Returns

This table will show when the “Returns” tab is clicked, along with a button to return a suitable item to the inventory.

The screenshot shows the Admin Dashboard of Javvdi Hardware. On the left, there's a sidebar with links for Admin Dashboard, Shop, Cart, Products, Users, Reports, and Analytics. The main area has a search bar and tabs for User Log, Transactions, and Returns. The Returns tab is active, displaying a table of returned items. The table includes columns for Return ID, Product Name, Brand, Variation, Size, Quantity, Date, Date of Return, Transaction ID, and Reason. An annotation points to the table with the text: "This table displays all the information about the returned products". At the bottom right of the returns table area is a green button labeled "Return to Inventory". An annotation with an arrow points to this button with the text: "Press this button to return a selected item that has a valid reason to the inventory."

Return ID	Product Name	Brand	Variation	Size	Quantity	Date	Date of Return	Transaction ID	Reason
RETURN20240625CU	Wrench	Acer	Gray	None	1	2024-06-29	None	TRANSAC20240625GLG	None
RETURN20240626DK	Monitor	BrandD	ModelW	24 inch	2	2024-06-29	2024-06-26	TRANSAC20240625AIO	None
RETURN20240626ZC	Wrench	Acer	Gray	None	1	2024-06-29	2024-06-26	TRANSAC20240625SGO	None
RETURN20240628NS	Wrench	None	Silver	None	1	2024-06-28	2024-06-28	TRANSAC20240628SAJ	Defective
RETURN20240629PKK	Wrench	None	Silver	None	1	2024-06-27	2024-06-28	TRANSAC20240627MJS	Wrong item
RETURN20240629IF	electrical tape	nbw	-	-	1	2024-06-27	2024-06-28	TRANSAC20240627IEP	Damaged
RETURN20240630TN	Paint	Boysen	Black	10kg	1	2024-06-30	2024-06-30	TRANSAC20240630MKE	Wrong item
RETURN20240630EN	electrical tape	nbw	-	-	1	2024-06-29	2024-06-30	TRANSAC20240627IEP	Defective
RETURN20240701VRM	Paint	x	white	None	1	2024-06-30	2024-07-01	TRANSAC20240630MND	Wrong item

IX. Analytics

This section of the program will display a customizable graph/chart that will visualize the data within the system, simplifying the viewing of the hardware's statistics. The user can customize the time period and the data to display. The system can predict the potential sales for the week via Linear Regression.

The screenshot shows the Admin Dashboard for "Jewell HARDWARE & CONSTRUCTION SUPPLIES". On the left, there's a sidebar with links: Shop, Cart, Products, Users, Reports, and Analytics (which is highlighted). At the bottom of the sidebar is a "Sign out" link. The main area has a header with "About us", a search bar, and a settings icon. Below the header is a large, light gray rectangular placeholder labeled "Chart or Graph Placeholder". Underneath this placeholder is a form with three dropdown menus: "Chart Type" (set to "Line Chart"), "Time Period" (set to "Today"), and "Transaction Type" (set to "Returns"). A green button labeled "Generate" is located below these fields. To the right of the "Generate" button is a callout with the text: "Press this to generate graph with the selected variables". Another callout to the right of the "Generate" button says: "Selection for type of chart (line, bar, pie)". A third callout above the "Generate" button says: "Selection for time period (today, last week, etc.)". A fourth callout above the "Generate" button says: "Selection for transaction type (sales, returns)". An arrow points from the text "Graph Placeholder. This part will be updated when the 'generate' button is pressed." to the "Generate" button.

Graph Placeholder. This part will be updated when the "generate" button is pressed.

Chart or Graph Placeholder

Chart Type: Line Chart

Time Period: Today

Transaction Type: Returns

Generate

Selection for type of chart (line, bar, pie)

Selection for time period (today, last week, etc.)

Selection for transaction type (sales, returns)

Press this to generate graph with the selected variables

PIE CHART

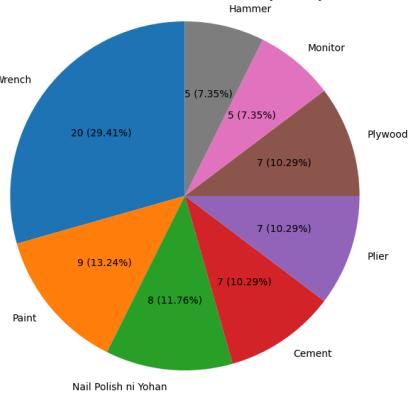
Jewell
HARDWARE
CONSTRUCTION SUPPLIES

Admin Dashboard

- [Shop](#)
- [Cart](#)
- [Products](#)
- [Users](#)
- [Reports](#)
- [Analytics](#)

[Sign out](#)

Last Week's Sales Distribution Per Product (Jun 25 - Jul 01)



product

- Wrench
- Paint
- Nail Polish ni Yohan
- Cement
- Plier
- Plywood
- Monitor
- Hammer

Chart Type:

Time Period:

Transaction Type:

Data Type: Product Name Category

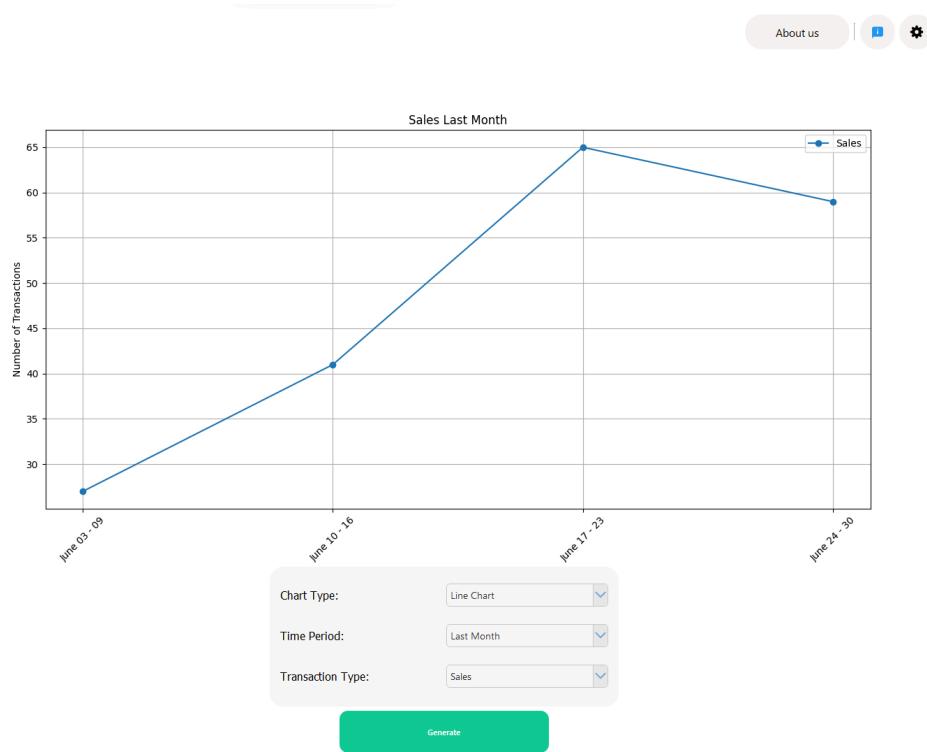
[Generate](#)

LINE GRAPH

Admin Dashboard

- [!\[\]\(b0e73e8a0287568460927f8d3fddf0b0_img.jpg\) Shop](#)
- [!\[\]\(98552213d3ff5f042d8168b717a5d7d5_img.jpg\) Cart](#)
- [!\[\]\(5fdf67a22d1048a18053c5f2bac7f375_img.jpg\) Products](#)
- [!\[\]\(f25daa10f97b691964184f7b675e7463_img.jpg\) Users](#)
- [!\[\]\(06c87ff2c9cbec98690b3f9ef52efa0e_img.jpg\) Reports](#)
- [!\[\]\(d29acc0baab37dc31ac07b04e832bcb3_img.jpg\) Analytics](#)

[Sign out](#)



BAR CHART

[About us](#)

Admin Dashboard

[Shop](#)[Cart](#)[Products](#)[Users](#)[Reports](#)[Analytics](#)[Sign out](#)

Most Sold Product Last Week (Jun 25 - Jul 01)

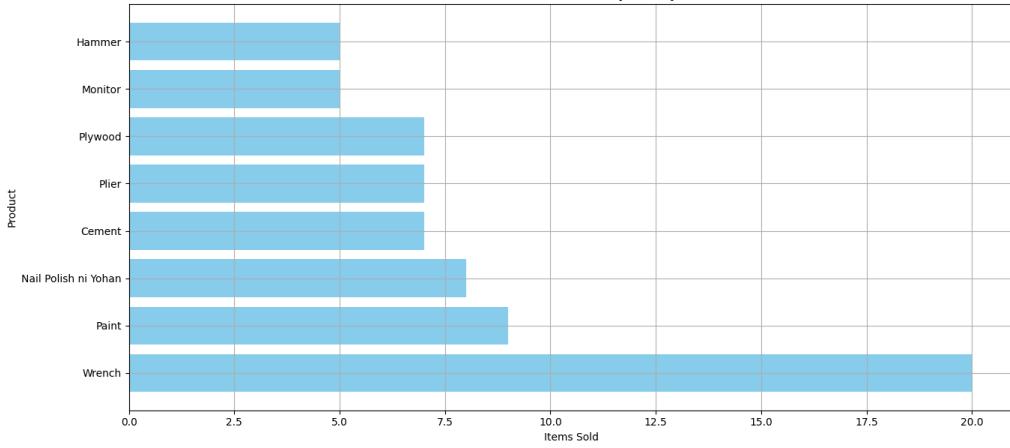


Chart Type: Bar Chart Line Chart

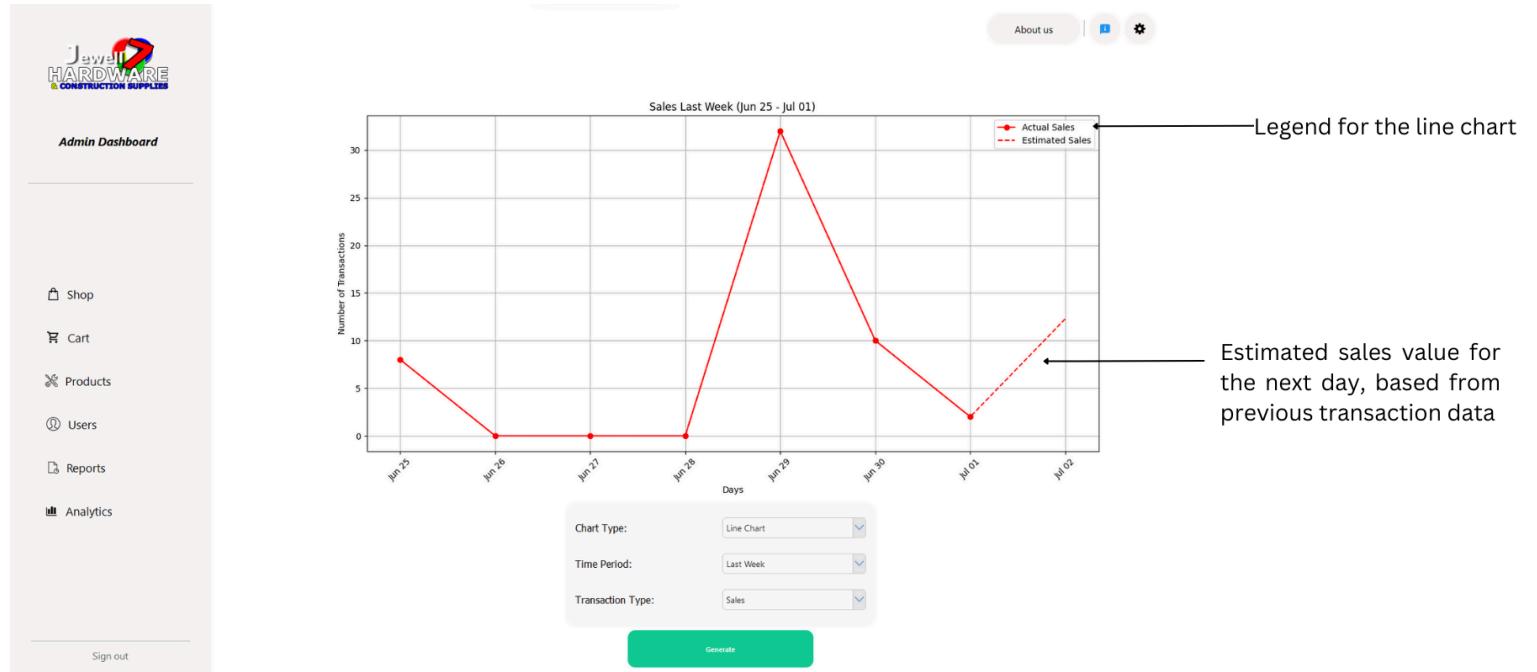
Time Period: Last Week This Week

Transaction Type: Sales Returns

Data Type: Product Name Category

[Generate](#)

LINEAR REGRESSION / PREDICTION



X. Help

This section of the program will display helpful information to the user including the Frequently Asked Questions (FAQ) and the complete user-manual.

FAQ

The screenshot shows the Admin Dashboard for Jewell HARDWARE CONSTRUCTION SUPPLIES. On the left, there's a sidebar with navigation links: Shop, Cart, Products, Users, Reports, and Analytics. At the bottom of the sidebar is a 'Sign out' button. The main content area is titled 'Frequently Asked Questions' and contains four questions with answers:

- When I generate a line graph from the data of the previous week, it shows a broken line. What does this indicate?**
The broken line represents the projected values of the graph for the next day, estimating the number of transactions based on past transaction data.
- When I generate a pie chart or a bar chart, not all product names or categories are displayed. Why is that?**
The broken line represents the projected values of the graph for the next day, estimating the number of transactions based on past transaction data.
- What does "Threshold" mean?**
Threshold is a point or level where inventory must be reordered to avoid stockouts.
- What do colors signify in product management?**
 - High stock level, restocking is not a priority.
 - Moderate stock level, restocking is optional.
 - Low stock level, restocking is highly recommended.

USER MANUAL

This is the user manual. This manual aims to guide the user through explanations and instructions for each module and their components.

XI. Database Settings / Reports Generation

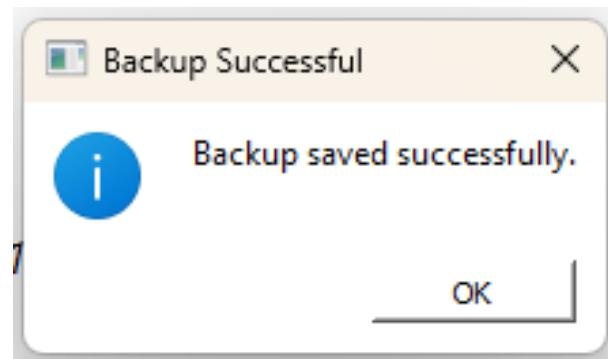
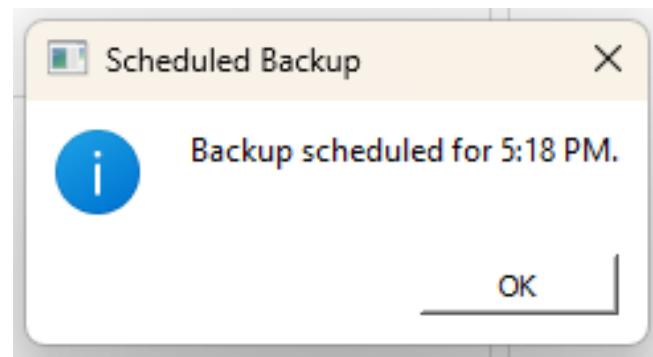
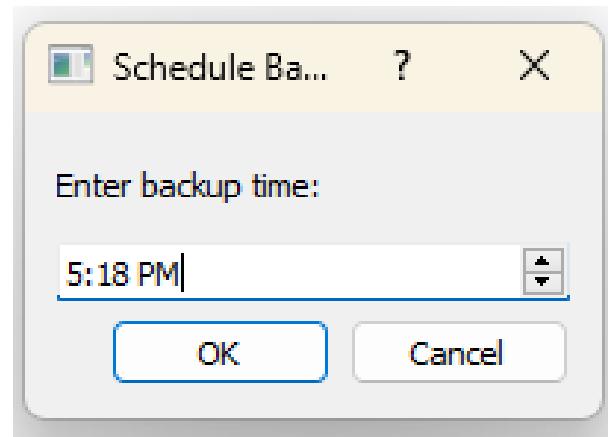
This section of the program will show the active database and the different actions that can be performed to the database. Also, this is the section of the program where the user can customize and generate a report that's in a pdf file format.

The screenshot shows the Admin Dashboard interface. On the left, there's a sidebar with the 'Jewel HARDWARE CONSTRUCTION SUPPLIES' logo and a navigation menu including 'Admin Dashboard', 'Shop', 'Cart', 'Products', 'Users', 'Reports', 'Analytics', and 'Sign out'. The main area is divided into two sections: 'Database' and 'Reports'. The 'Database' section displays 'Active Database: Data', 'Last Backup: Data', and 'Current Automatic Backup Time: 08:59 AM'. It also features three buttons: 'Backup Schedule' (green), 'Manual Backup' (blue), and 'Restore Database' (blue). The 'Reports' section features a cartoon illustration of a person standing next to a large smartphone displaying a 'DATA' dashboard. It includes two buttons: 'Generate Report' (green) and 'Customize Report' (blue).

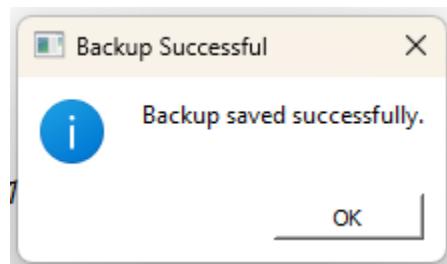
Database Settings

Database

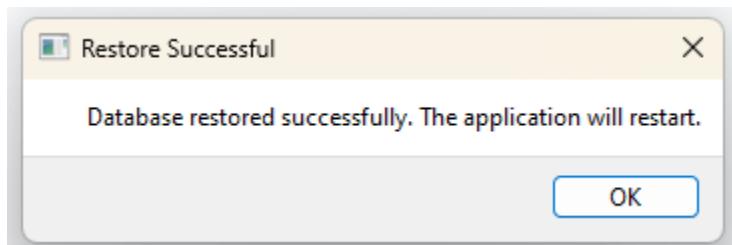
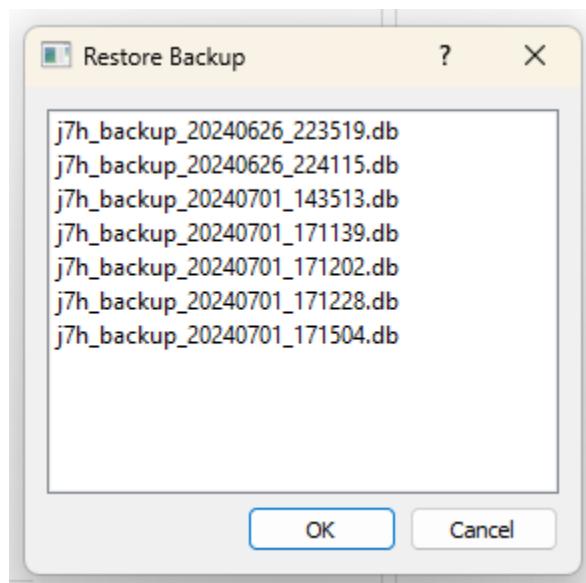
BACKUP SCHEDULE



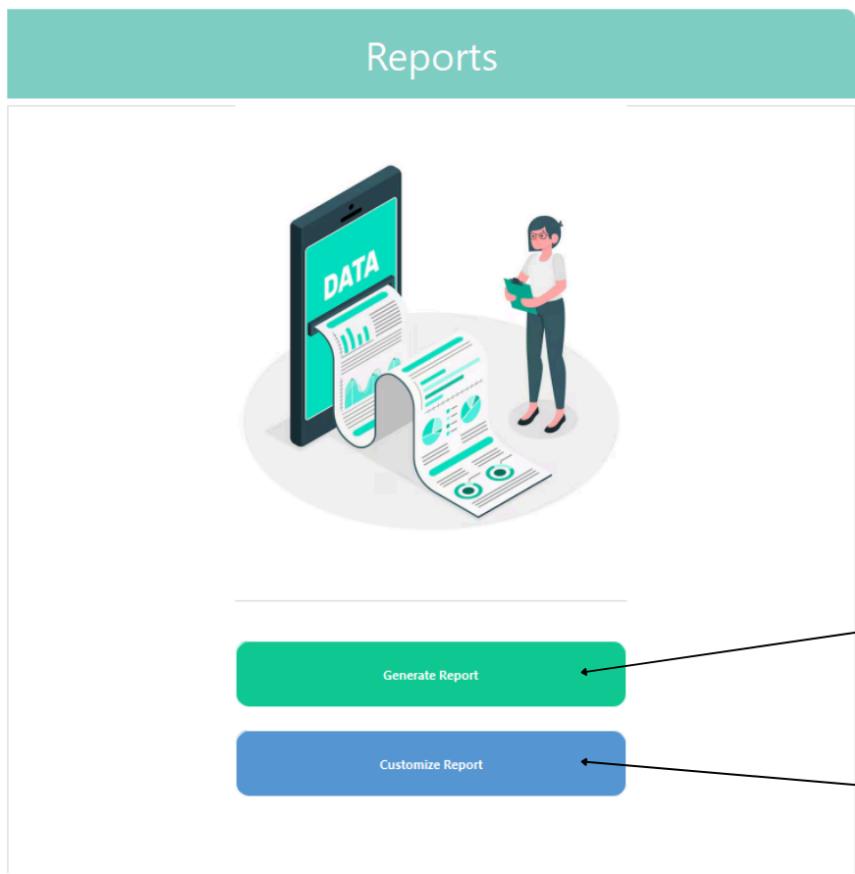
MANUAL BACKUP



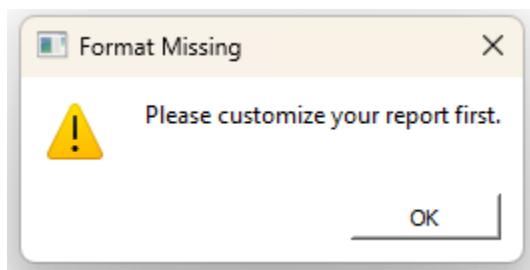
RESTORE DATABASE



REPORTS GENERATION



This will show up when “Generate Report” is pressed without customizing first.



This is a sample report, with a “Save as PDF” button that will save the report as a pdf file.

Generated Report

Jewell 7 Hardware

Transactions Report - This Week

Generated by: John Doe

Report Generated at 2024-07-01 17:22:10

Transaction ID	Date	Time	Customer	Total Price	Cashier
TRANSAC20240701TMD	2024-07-01	09:24 AM	hey	฿799.99	John

Sales Report - This Week

The chart displays a single data point for sales. The Y-axis ranges from 0.8 to 1.0. A blue dot is plotted at approximately (0.95, 1.0), connected by a dashed red line to the X-axis. A legend entry 'Sales' with a blue circle marker is located in the top-left corner of the chart area.

Save as PDF