

MediNet: Point of Sale and Inventory Management System for GenMed Pharmacy

Inventory and POS User Manual

MediNet: Point of Sale and Inventory Management System for GenMed Pharmacy

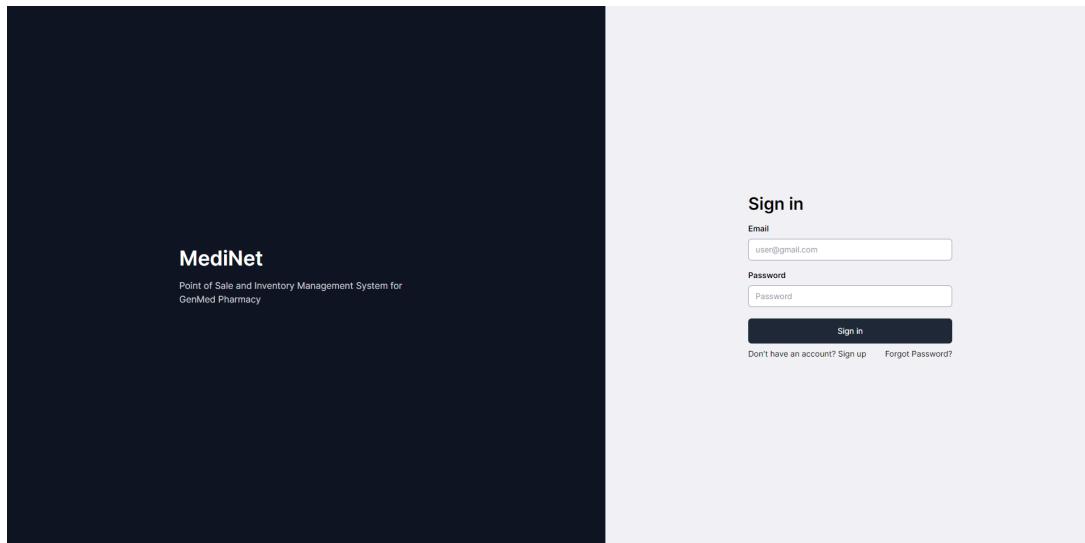
The system comprises several modules designed to ensure security, efficient management, and user-friendly operation for pharmacy operations. The Security Module handles encryption of user data, including passwords and session tokens, using Argon2 hashing for password encryption and URI encryption for user resource identifiers during session creation. The Register Module facilitates account creation by requiring users to input their email address, username, password (which must meet specific criteria), and access level code. Validity checks ensure data accuracy before storing hashed passwords securely. The Login Module prompts users to enter their credentials for system access, logging incorrect attempts and generating session tokens valid for seven days. The "forgot password" feature enables password reset via email OTP verification. The Dashboard Module presents critical operational data such as inventory status, daily and monthly orders, and total sales upon successful login. The Cart Module allows users to manage customer orders, including adding, adjusting quantities, removing items, or canceling orders. The Search (POS) Module enables users to locate inventory items quickly and add them to sale lists. The Checkout Module finalizes transactions, calculating totals and generating receipts based on payment type and customer input. The Sales Module provides detailed sales reports and transaction histories, facilitating business analysis and customer service. The Item Management Module supports inventory control by adding, updating, and archiving items, verifying data accuracy before database updates. The Stock Tracking Module sets reordering points and minimum stock levels to maintain inventory levels, sending notifications to the dashboard as thresholds are met. The Inventory Report Module generates reports on inventory status, including fast-moving items, slow-moving stocks, and items nearing expiration.

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1 MediNet Inventory and POS

Enter <https://medinet-pharma.vercel.app/> in your browser and you will automatically be directed to the login page.



Login Page

2 Register User

To register an account, in the Login Page, click on the 'Don't have an account? Sign up' link. You will be directed to the Sign Up page where you will enter your credentials which are name, your google email address, access code, and password. For the access code, enter 'CASHIER405' for a cashier account and 'ADMIN100' for an admin account.

Sign up

Name

Email

Access Code

Password

Confirm Password

Sign up

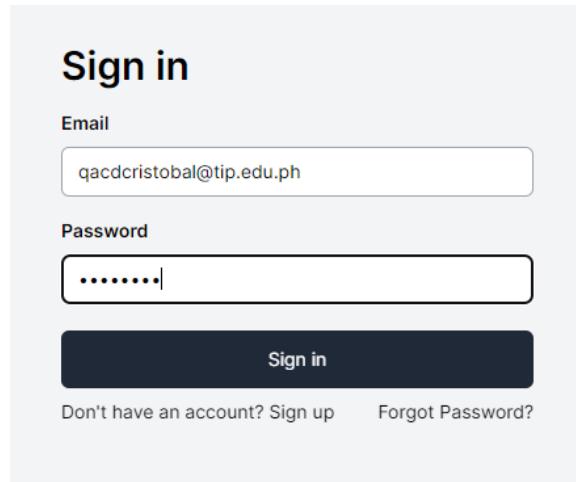
Already have an account? [Sign in](#)

Sign Up Form

After filling the form, you will get a 6-digit code to your gmail which is needed to verify your account.

3 Sign In

If you already have an account, enter your credentials in the Login Page. This will redirect you to the dashboard.

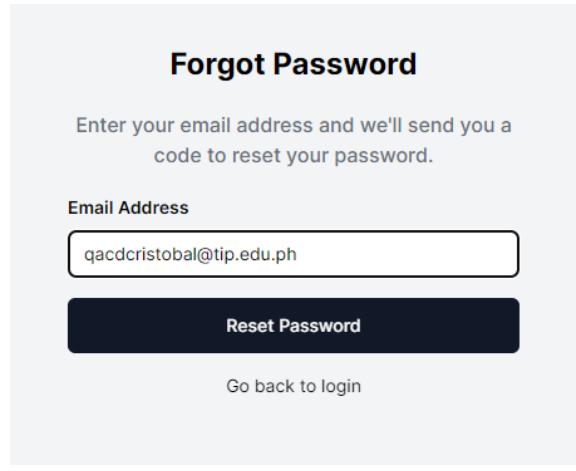


The image shows a 'Sign in' form. At the top is the title 'Sign in'. Below it is a 'Email' field containing 'qacdchristobal@tip.edu.ph'. Below that is a 'Password' field showing a masked password. A large dark blue 'Sign in' button is centered below the fields. At the bottom, there are two links: 'Don't have an account? Sign up' and 'Forgot Password?'

Sign In

4 Forgot Password

If you forgot your password, you can change your password by clicking on 'Forgot Password'.



The image shows a 'Forgot Password' form. At the top is the title 'Forgot Password'. Below it is a message: 'Enter your email address and we'll send you a code to reset your password.' There is an 'Email Address' field containing 'qacdchristobal@tip.edu.ph'. Below that is a large dark blue 'Reset Password' button. At the bottom, there is a link: 'Go back to login'.

Forgot Password Page

You can reset your password by entering your email address that you have used when you created your account. You will get a 6-digit code on your email which is needed to reset your password.

Confirm Code

We've sent a reset code to your email. Please enter the code below to reset your password.

Reset Password Code

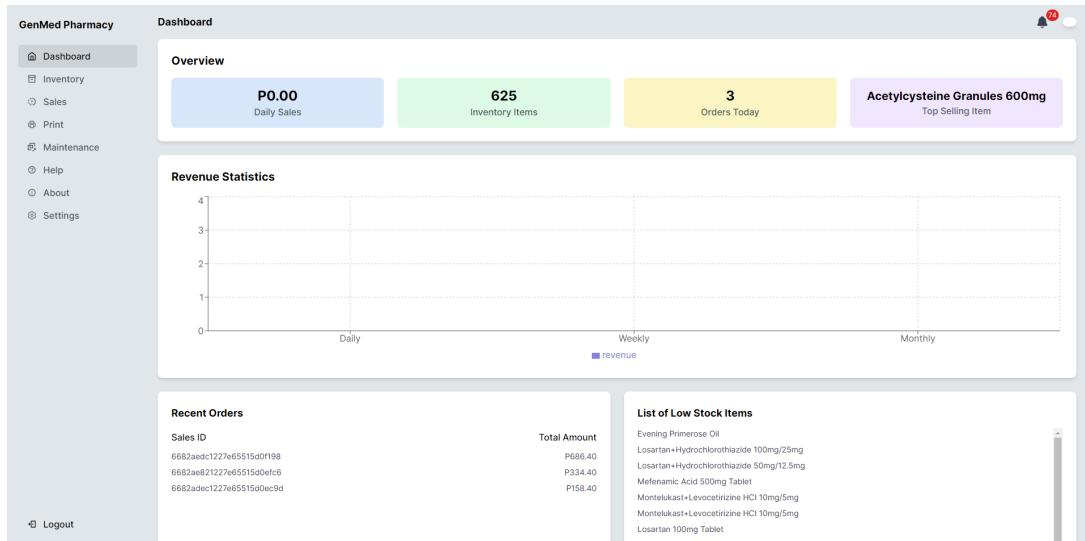
ex. 123456

Confirm

Forgot Password - confirm code

5 Dashboard

The dashboard will show the user a summary of data like the total number of inventory items, total orders today, the top selling item, recent orders, and low stock items.



6 Inventory

The inventory allows the user to add, update and delete items from the inventory. They can also see the current stock levels and know what needs to be reordered. The user can also search through items in the inventory screen either by item name or category

Name	Price	Quantity	Critical Level	Action
Acetylcysteine Granules 600mg	P33	70	20	<button>Edit</button>
Allopurinol 100mg Tablet	P2	97	20	<button>Edit</button>
Amlodipine Besilate 5mg	P2.75	99	20	<button>Edit</button>
Atorvastatin 10mg	P4.5	99	20	<button>Edit</button>
Bethistine HCl 8mg Tablet	P11	99	20	<button>Edit</button>
Bisacodyl 5mg	P2	98	20	<button>Edit</button>
Candesartan 16mg Tablet	P10	29	20	<button>Edit</button>
Candesartan 8mg Tablet	P8	30	20	<button>Edit</button>
Carvedilol 6.25mg Tablet	P4.5	100	20	<button>Edit</button>
Cefuroxime 500mg Tablet	P24	10	20	<button>Edit</button>
Cloxacillin Sodium 500mg	P6	100	20	<button>Edit</button>

Inventory Page

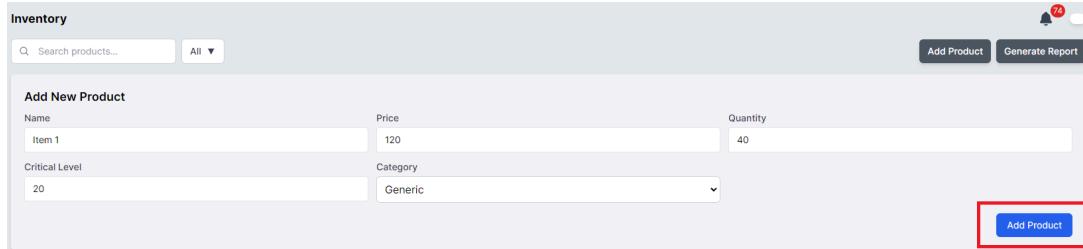
6.1 Adding an item

To add an item, click the [Add Product] button.

Name	Price	Quantity	Critical Level	Action
Acetylcysteine Granules 600mg	P33	69	20	<button>Edit</button>
Allopurinol 100mg Tablet	P2	96	20	<button>Edit</button>
Amlodipine Besilate 5mg	P2.75	98	20	<button>Edit</button>
Atorvastatin 10mg	P4.5	98	20	<button>Edit</button>
Bethistine HCl 8mg Tablet	P11	98	20	<button>Edit</button>
Bisacodyl 5mg	P2	97	20	<button>Edit</button>
Candesartan 16mg Tablet	P10	28	20	<button>Edit</button>
Candesartan 8mg Tablet	P8	29	20	<button>Edit</button>
Carvedilol 6.25mg Tablet	P4.5	99	20	<button>Edit</button>
Cefuroxime 500mg Tablet	P24	9	20	<button>Edit</button>
Cloxacillin Sodium 500mg	P6	99	20	<button>Edit</button>

Inventory page - [Add Product] button

Enter the item's name, price, quantity, critical level, and select its category. Click the [Add Product] button to add the item into the inventory.



Inventory page - [Add Product] button

6.2 Edit an Item

To edit an item, click the [Edit] button on which item you want to edit.

Name	Price	Quantity	Critical Level	Action
Acetylcysteine Granules 600mg	P33	69	20	<button>Edit</button>
Allopurinol 100mg Tablet	P2	96	20	<button>Edit</button>
Amlodipine Besilate 5mg	P2.75	98	20	<button>Edit</button>
Atorvastatin 10mg	P4.5	98	20	<button>Edit</button>
Betahistine HCl 8mg Tablet	P11	98	20	<button>Edit</button>
Bisacodyl 5mg	P2	97	20	<button>Edit</button>
Candesartan 16mg Tablet	P10	28	20	<button>Edit</button>
Candesartan 8mg Tablet	P8	29	20	<button>Edit</button>
Carvedilol 6.25mg Tablet	P4.5	99	20	<button>Edit</button>
Cefuroxime 500mg Tablet	P24	9	20	<button>Edit</button>
Cloxacillin Sodium 500mg	P6	99	20	<button>Edit</button>

Inventory page - [Edit] button

When editing an item, you can edit its name, price, quantity, and its critical level. To save your edit, click the [Save] button. Otherwise, click the [Cancel] button.

Name	Price	Quantity	Critical Level	Action
Acetylcysteine Granules 600mg	33	69	20	<button>Save</button> <button>Cancel</button>
Allopurinol 100mg Tablet	P2	96	20	<button>Edit</button>
Amlodipine Besilate 5mg	P2.75	98	20	<button>Edit</button>
Atorvastatin 10mg	P4.5	98	20	<button>Edit</button>

Inventory page - edit

6.3 Generate Report

To generate a report of the inventory, click the [Generate Report] button. Select whether you want to generate a report for Current Stock Levels, Fast-Moving Stock, Slow-Moving Stock, or Low Stock Alert. A window will show you a report on what type of inventory report you selected.

Inventory

Name	Price	Quantity	Critical Level	Action
Acetylcysteine Granules 600mg	P33	69	20	<button>Edit</button>
Allopurinol 100mg Tablet	P2	96	20	<button>Edit</button>
Amlodipine Besilate 5mg	P2.75	98	20	<button>Edit</button>
Atorvastatin 10mg	P4.5	98	20	<button>Edit</button>
Betahistine HCl 8mg Tablet	P11	98	20	<button>Edit</button>
Bisacodyl 5mg	P2	97	20	<button>Edit</button>
Candesartan 16mg Tablet	P10	28	20	<button>Edit</button>
Candesartan 8mg Tablet	P8	29	20	<button>Edit</button>
Carvedilol 6.25mg Tablet	P4.5	99	20	<button>Edit</button>
Cefuroxime 500mg Tablet	P24	9	20	<button>Edit</button>
Cloxacillin Sodium 500mg	P6	99	20	<button>Edit</button>

Inventory page - [Generate Report] button

Inventory

Name	Price	Quantity	Critical Level	Action
Acetylcysteine Granules 600mg	33	69	20	<button>Save</button> <button>Cancel</button>
Allopurinol 100mg Tablet	P2		20	<button>Edit</button>
Amlodipine Besilate 5mg	P2.75		20	<button>Edit</button>
Atorvastatin 10mg	P4.5		20	<button>Edit</button>
Betahistine HCl 8mg Tablet	P11		20	<button>Edit</button>
Bisacodyl 5mg	P2		20	<button>Edit</button>
Candesartan 16mg Tablet	P10		20	<button>Edit</button>
Candesartan 8mg Tablet	P8		20	<button>Edit</button>
Carvedilol 6.25mg Tablet	P4.5		20	<button>Edit</button>
Cefuroxime 500mg Tablet	P24	9	20	<button>Edit</button>
Cloxacillin Sodium 500mg	P6	99	20	<button>Edit</button>

Inventory page - report window

7 POS

The Point-of-Sale is where transactions are processed. The cashier can also search through items in the point of sale screen either by item name or category. This is where also the cart can be seen where the cashier can see all the selected items to be bought by the customer.

Name	Price	Quantity	Action
Acetylcysteine Granules 600mg	P33.00	1	Add to Cart
Allopurinol 100mg Tablet	P2.00	1	Add to Cart
Amlodipine Besilate 5mg	P2.75	1	Add to Cart
Atorvastatin 10mg	P4.50	1	Add to Cart
Bethistine HCl 8mg Tablet	P11.00	1	Add to Cart
Bisacodyl 5mg	P2.00	1	Add to Cart
Candesartan 16mg Tablet	P10.00	1	Add to Cart
Candesartan 8mg Tablet	P8.00	1	Add to Cart
Carvedilol 6.25mg Tablet	P4.50	1	Add to Cart
Cefuroxime 500mg Tablet	P24.00	1	Add to Cart
Cloxacillin Sodium 500mg	P6.00	1	Add to Cart
Diclofenac Sodium 100mg Tablet	P2.00	1	Add to Cart

POS page

7.1 Adding an item

To add an item to the cart, click the [Add to Cart] button.

POS page - [Add to Cart] button

7.2 Remove an item

To remove an item, click the 'trash icon' on the left side of the item you want to remove from the cart.

The screenshot shows the POS interface with a search bar at the top. Below it is a table of products with columns for Name, Price, Quantity, and Action (Add to Cart). A red box highlights the 'X' button in the top right corner of the cart summary area.

Name	Price	Quantity	Action
Acetylcysteine Granules 600mg	P33.00	1	Add to Cart
Allopurinol 100mg Tablet	P2.00	1	Add to Cart
Amlodipine Besilate 5mg	P2.75	1	Add to Cart
Atorvastatin 10mg	P4.50	1	Add to Cart
Betahistine HCl 8mg Tablet	P11.00	1	Add to Cart
Bisacodyl 5mg	P2.00	1	Add to Cart
Candesartan 16mg Tablet	P10.00	1	Add to Cart
Candesartan 8mg Tablet	P8.00	1	Add to Cart
Carvedilol 6.25mg Tablet	P4.50	1	Add to Cart
Cefuroxime 500mg Tablet	P24.00	1	Add to Cart
Cloxacillin Sodium 500mg	P6.00	1	Add to Cart
Diclofenac Sodium 100mg Tablet	P2.00	1	Add to Cart

Cart

Acetylcysteine Granules 600mg x 1	P33.00	X
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Total P33.00
No Discount
Checkout

POS page - remove item

7.3 Remove all item

To remove all the items, click the [Red Button].

This screenshot shows the POS interface after removing one item from the cart. The cart now contains four items: Acetylcysteine Granules 600mg, Allopurinol 100mg Tablet, Amlodipine Besilate 5mg, and Atorvastatin 10mg. The 'X' button in the top right corner of the cart summary area is highlighted with a red box.

Name	Price	Quantity	Action
Acetylcysteine Granules 600mg	P33.00	1	Add to Cart
Allopurinol 100mg Tablet	P2.00	1	Add to Cart
Amlodipine Besilate 5mg	P2.75	1	Add to Cart
Atorvastatin 10mg	P4.50	1	Add to Cart
Betahistine HCl 8mg Tablet	P11.00	1	Add to Cart
Bisacodyl 5mg	P2.00	1	Add to Cart
Candesartan 16mg Tablet	P10.00	1	Add to Cart
Candesartan 8mg Tablet	P8.00	1	Add to Cart
Carvedilol 6.25mg Tablet	P4.50	1	Add to Cart
Cefuroxime 500mg Tablet	P24.00	1	Add to Cart
Cloxacillin Sodium 500mg	P6.00	1	Add to Cart
Diclofenac Sodium 100mg Tablet	P2.00	1	Add to Cart

Cart

Acetylcysteine Granules 600mg x 1	P33.00	X
Allopurinol 100mg Tablet x 1	P2.00	X
Amlodipine Besilate 5mg x 1	P2.75	X
Atorvastatin 10mg x 5	P22.50	X

Total P60.25
No Discount
Checkout

POS page - remove all item

To proceed to billing, click the [Checkout] button.

The screenshot shows a POS interface with a search bar at the top. Below it is a table of products with columns for Name, Price, Quantity, and Action (Add to Cart). To the right is a 'Cart' summary showing individual items and their details, along with a 'Total' of P60.25 and a 'No Discount' dropdown. The 'Checkout' button is highlighted with a red box.

Name	Price	Quantity	Action
Acetylcysteine Granules 600mg	P33.00	1	Add to Cart
Allopurinol 100mg Tablet	P2.00	1	Add to Cart
Amlodipine Besilate 5mg	P2.75	1	Add to Cart
Atorvastatin 10mg	P4.50	1	Add to Cart
Betahistine HCl 8mg Tablet	P11.00	1	Add to Cart
Bisacodyl 5mg	P2.00	1	Add to Cart
Candesartan 16mg Tablet	P10.00	1	Add to Cart
Candesartan 8mg Tablet	P8.00	1	Add to Cart
Carvedilol 6.25mg Tablet	P4.50	1	Add to Cart
Cefuroxime 500mg Tablet	P24.00	1	Add to Cart
Cloxacillin Sodium 500mg	P6.00	1	Add to Cart
Diclofenac Sodium 100mg Tablet	P2.00	1	Add to Cart

Cart

Acetylcysteine Granules 600mg x 1	P33.00
Allopurinol 100mg Tablet x 1	P2.00
Amlodipine Besilate 5mg x 1	P2.75
Atorvastatin 10mg x 5	P22.50

Total: P60.25
No Discount
Checkout

POS page - [Checkout] button

Billing window will show. To confirm the items, click the [Confirm] button. Otherwise, click [Cancel].

The screenshot shows a POS interface with a search bar at the top. Below it is a table of products with columns for Name, Price, Quantity, and Action (Add to Cart). A 'Billing' window is overlaid on the screen, containing a table of items with their unit price, quantity, and total, a 'Total' of P60.25, a 'Payment' section with a 'Pay Amount:' field and a 'Change:' field showing P0.00, and 'Cancel' and 'Confirm' buttons. The main screen shows the same product list and cart summary as the previous screenshot.

Name	Price	Quantity	Action
Acetylcysteine Granules 600mg	P33.00		Add to Cart
Allopurinol 100mg Tablet	P2.00		Add to Cart
Amlodipine Besilate 5mg	P2.75		Add to Cart
Atorvastatin 10mg	P4.50		Add to Cart
Betahistine HCl 8mg Tablet	P11.00		Add to Cart
Bisacodyl 5mg	P2.00		Add to Cart
Candesartan 16mg Tablet	P10.00		Add to Cart
Candesartan 8mg Tablet	P8.00		Add to Cart
Carvedilol 6.25mg Tablet	P4.50		Add to Cart
Cefuroxime 500mg Tablet	P24.00		Add to Cart
Cloxacillin Sodium 500mg	P6.00		Add to Cart
Diclofenac Sodium 100mg Tablet	P2.00		Add to Cart

Billing
Date: 7/1/2024, 10:32:24 PM

Item	Unit Price	Qty	Total
Acetylcysteine Granules 600mg	P33.00	1	P33.00
Allopurinol 100mg Tablet	P2.00	1	P2.00
Amlodipine Besilate 5mg	P2.75	1	P2.75
Atorvastatin 10mg	P4.50	5	P22.50

Total: P60.25

Payment

Pay Amount:

Change: P0.00

Cancel **Confirm**

Cart

Acetylcysteine Granules 600mg x 1	P33.00
Allopurinol 100mg Tablet x 1	P2.00
Amlodipine Besilate 5mg x 1	P2.75
Atorvastatin 10mg x 5	P22.50

Total: P60.25
No Discount
Checkout

POS page - Billing

8 Sales

The Sales shows the revenue overview, transaction history, and returns.

Date	Total	Discount Type	Items	Order Status	Actions
7/1/2024, 9:27:56 PM	P686.40	senior	Acetylcysteine Granules 600mg x 26	Voided Reason: Expired Item	View Receipt
7/1/2024, 9:26:26 PM	P334.40	senior	Acetylcysteine Granules 600mg x 6 Betalistine HCl 8mg Tablet x 20	Voided Reason: Wrong Brand	View Receipt
7/1/2024, 9:23:56 PM	P158.40	senior	Acetylcysteine Granules 600mg x 6	Voided Reason: Mama says no	View Receipt

Sales page

8.1 Viewing transactions and returns

To view the transaction history, select the [Transaction History] in the horizontal tab, below the revenue overview. Otherwise, select [Return] to view the return history.

Date	Total	Discount Type	Items	Order Status	Actions
7/1/2024, 9:38:50 PM	P116.75	None	Acetylcysteine Granules 600mg x 1 Allopurinol 100mg Tablet x 1 Amlodipine Besilate 5mg x 1	Successful	View Receipt Void
7/1/2024, 9:27:56 PM	P686.40	senior	Acetylcysteine Granules 600mg x 26	Voided Reason: Expired Item	View Receipt
7/1/2024, 9:26:26 PM	P334.40	senior	Acetylcysteine Granules 600mg x 6 Betalistine HCl 8mg Tablet x 20	Voided Reason: Wrong Brand	View Receipt
7/1/2024, 9:23:56 PM	P158.40	senior	Acetylcysteine Granules 600mg x 6	Voided Reason: Mama says no	View Receipt

Sales page - horizontal tabs

9 Print

The Print window allows you to print the inventory and revenue report. To print, click the [Print Report] button. A window will appear, showing the report that will be printed.

Print

GenMed Pharmacy
Blk 1 Lot 34 Daang Bakal, Burgos Rod Rizal

Inventory and Revenue Report

Print Report

Revenue Overview

Daily Revenue P116.75 Weekly Revenue P116.75 Monthly Revenue P116.75

Revenue Statistics

Select categories to include:
 Low Stock Out of Stock Fast Moving Slow Moving

Print - [Print Report] button

You can also select whether to include Low Stock, Out of Stock, Fast Moving, or Slow Moving to the report that will be printed.

Print

GenMed Pharmacy
Blk 1 Lot 34 Daang Bakal, Burgos Rod Rizal

Inventory and Revenue Report

Print Report

Revenue Overview

Daily Revenue P116.75 Weekly Revenue P116.75 Monthly Revenue P116.75

Revenue Statistics

Select categories to include:
 Low Stock Out of Stock Fast Moving Slow Moving

Print - select categories

10 Maintenance

In the maintenance module, this is where the backup and restore button for managing database archives.

11 Help

This is where the users will see the user manual that will help them to operate the system.

The screenshot shows the 'User Manual' section of the GenMed Pharmacy Help page. The left sidebar has a 'Help' tab selected. The main content area is titled 'User Manual' and contains five sections: 1. Getting Started, 2. Point of Sale (POS), 3. Inventory Management, 4. Sales, and 5. Support. Each section provides a brief description and a bulleted list of features or steps. At the bottom, there is a link to contact support at medinet.sys@gmail.com. A 'Logout' button is located at the bottom left.

Help page

12 About

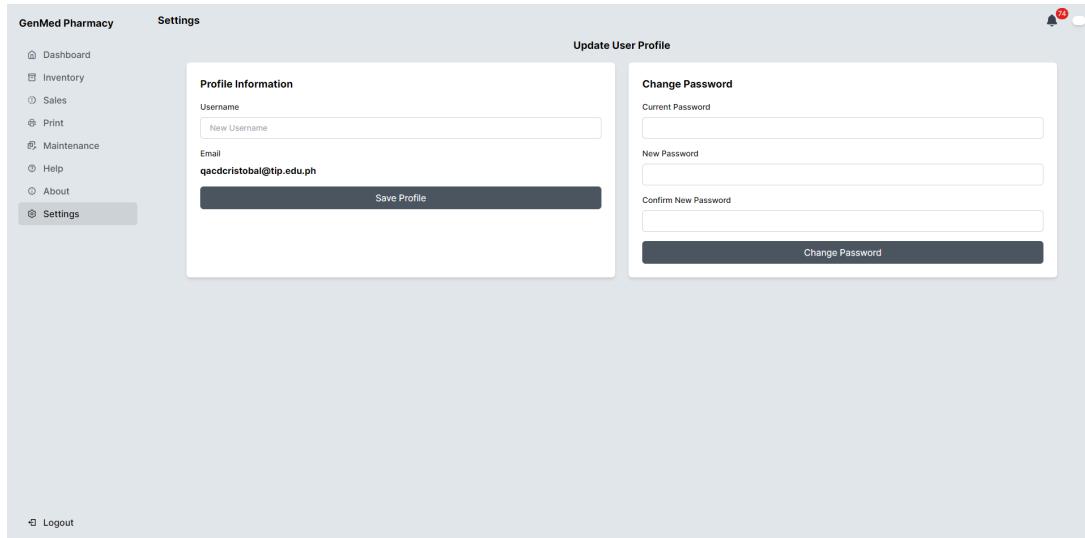
This is where we can see the information about the proponents.

The screenshot shows the 'About Us' page of the GenMed Pharmacy system. The left sidebar has an 'About' tab selected. The main content area is titled 'About The GenMed Pharmacy Management System' and includes a 'Welcome to GenMed Pharmacy Management System' message. Below it is a 'The Development Team' section with four team members listed: Cristobal, Armani; Eustaquo, Cyril; Gillego, Gab; and Mata, Francis. Each team member has a profile picture, name, email address, and a role badge (e.g., UI Designer / Documentation, Lead Developer / UI/UX Designer, The Overseer). A 'Logout' button is located at the bottom left.

About Us page

13 Settings

This allows users to change their username or change their password.



Settings page

13.1 Changing username

To change your username, enter a new username in the 'New Username' text field then click [Save Profile].

A screenshot of the "Profile Information" section from the previous "Settings page" screenshot. It shows a "Username" field containing "Cashier Chester" and an "Email" field containing "qacdcristobal@tip.edu.ph". A large, dark grey "Save Profile" button is centered below the fields.

Settings - change username

13.2 Changing password

To change your password, enter your current password and your new password in the text fields then click the [Change Password] button.

Change Password

Current Password

.....

New Password

.....

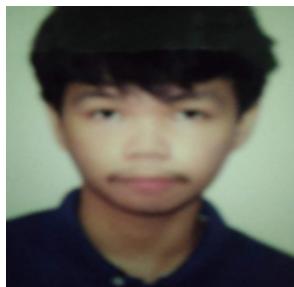
Confirm New Password

.....

Change Password

Settings - change password

Developer's Information



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References

Oracle. (2022). *LUCAS POS Manual 9.0* (Document ID 29504). Oracle Corporation. Retrieved from
https://docs.oracle.com/cd/E68524_01/lucas/pdf/29504/LUCAS_POS_Manual_90_en_02.pdf