



## e-PHARMACY INFORMATION MANAGEMENT SYSTEM USER MANUAL

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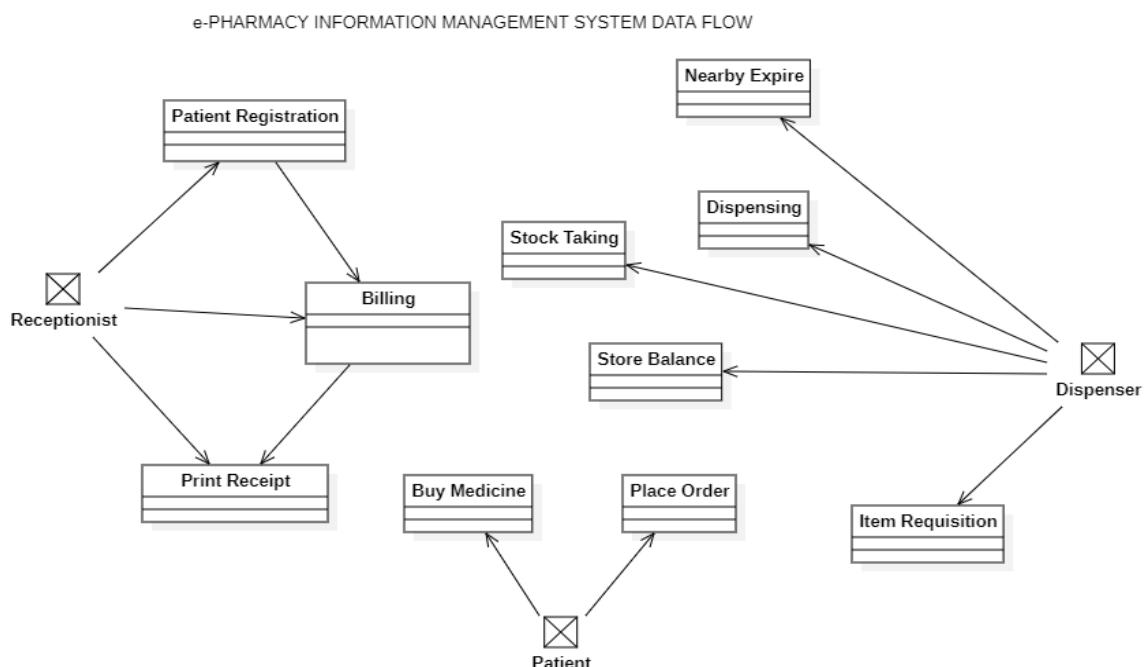
## 1.0 INTRODUCTION

**e-Pharmacy Information Management System** is An Automated system programmed at ensuring dispensing and other pharmaceutical related issues to be well done under the high level of efficiency. A level of system security is on the highest level of expertise since it comprises the use of different Hash enabled languages (SHA, Deffie Helman Encryption etc) whereby a system user can interact with the system under the highest level of data security against unauthorized people across the system.

Also, a System User can easily interact with a system on several issues concerning with all pharmaceutical related issues as well as the functionalities tend to follow the systematic approach / sequence towards the intended output from the electronic system.

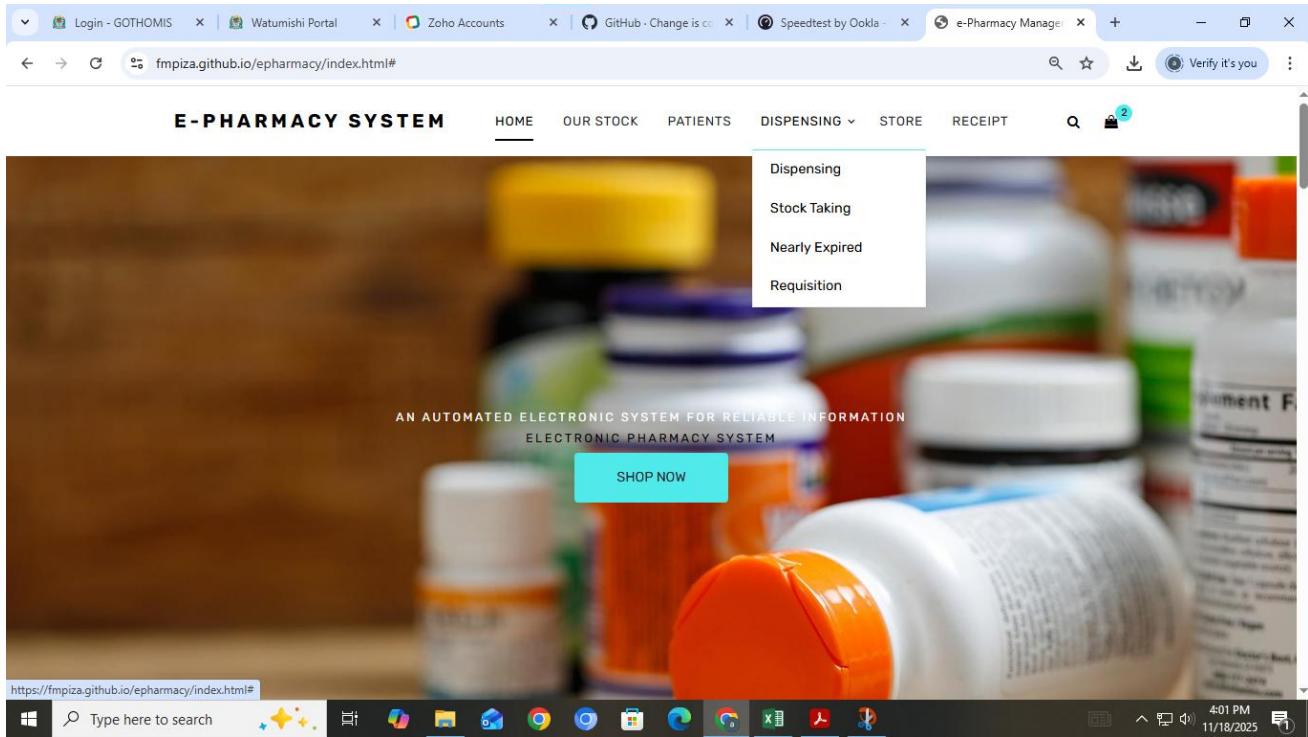
## 2.0 SYSTEM DATA FLOW

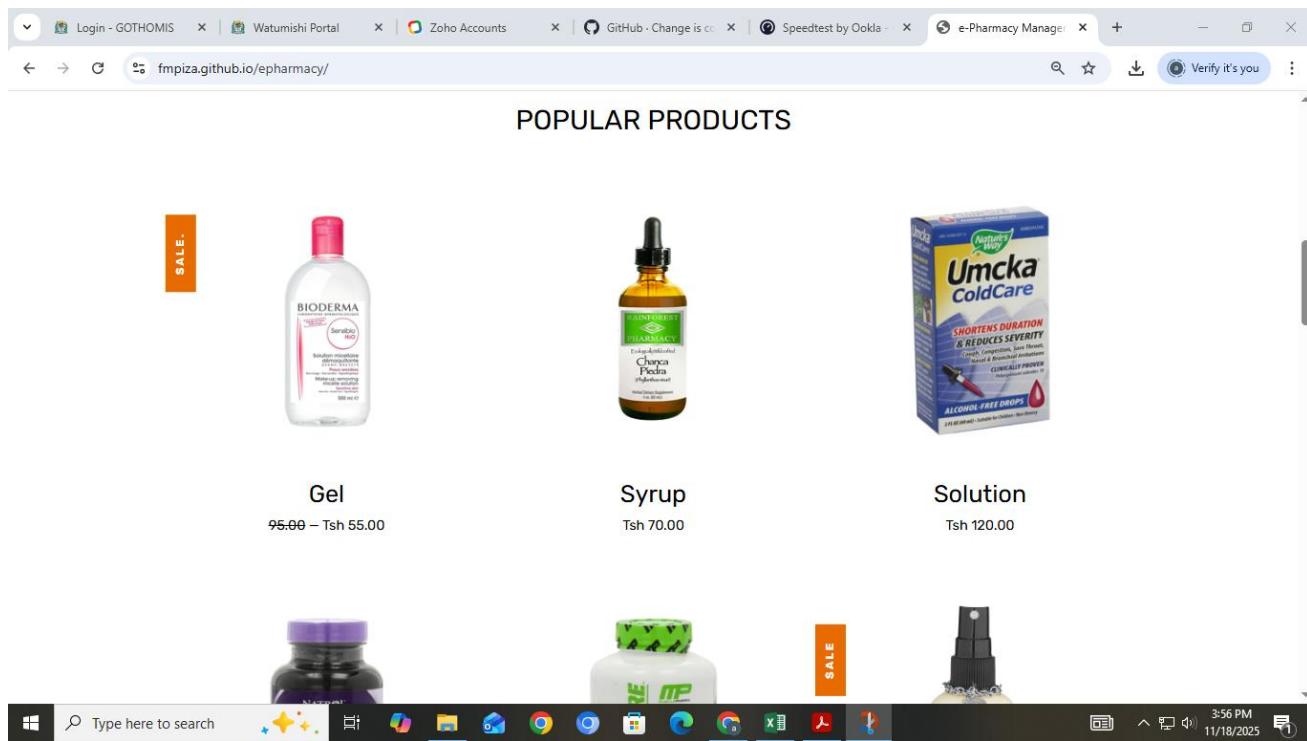
A system is formulated by considering the well sequence of data flow from the initial stage of system interaction to the final system subsections depending on the levels of system privileges among the different kinds of system users. The issue of data flow across the system is well described as follows;



### 3.0 SYSTEM DASHBOARD

A system is well developed under the consideration of an easy user interactivity whereby a system user can interact with the system without much complication of graphical user interface (GUI) to the different system subsections to reach their target across the system such including Stock, Patient Registration, Dispensing, Store and receipt Printing. From the Main System, User can Interact with several System Functionalities as appear. A system dashboard appears as follow.



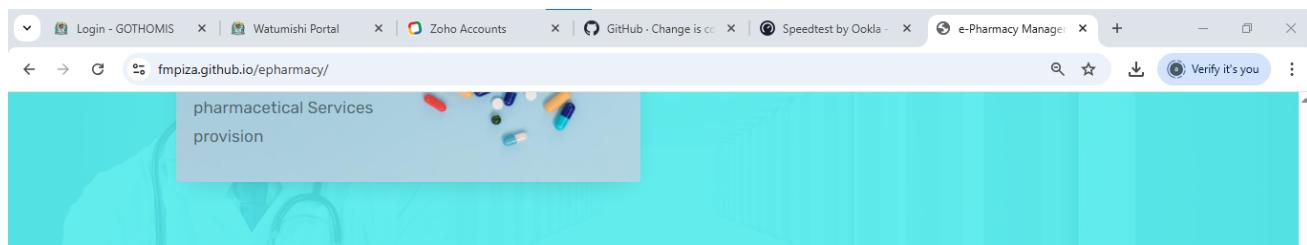


POPULAR PRODUCTS

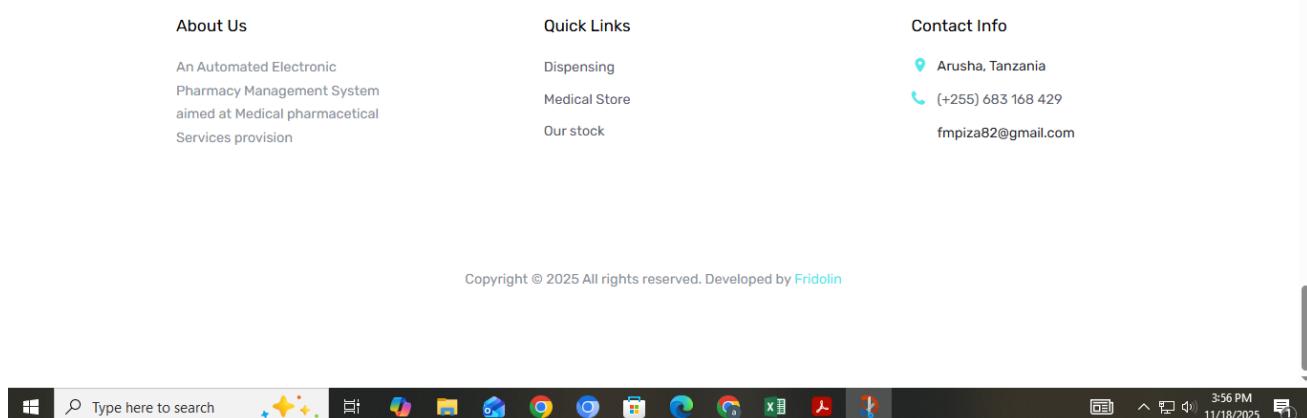
**Gel**  
95.00 – Tsh 55.00

**Syrup**  
Tsh 70.00

**Solution**  
Tsh 120.00



pharmaceutical Services provision



**About Us**

An Automated Electronic Pharmacy Management System aimed at Medical pharmaceutical Services provision

**Quick Links**

Dispensing  
Medical Store  
Our stock

**Contact Info**

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### 3.1 Our Stock

On this section of the system, users can see items / Medication items which are available in Stock. Therefore, through this functionality the balance of items which are available are displayed as well as a system user can view price and a total number of items required to be bought from a supplier. It appears as follow;

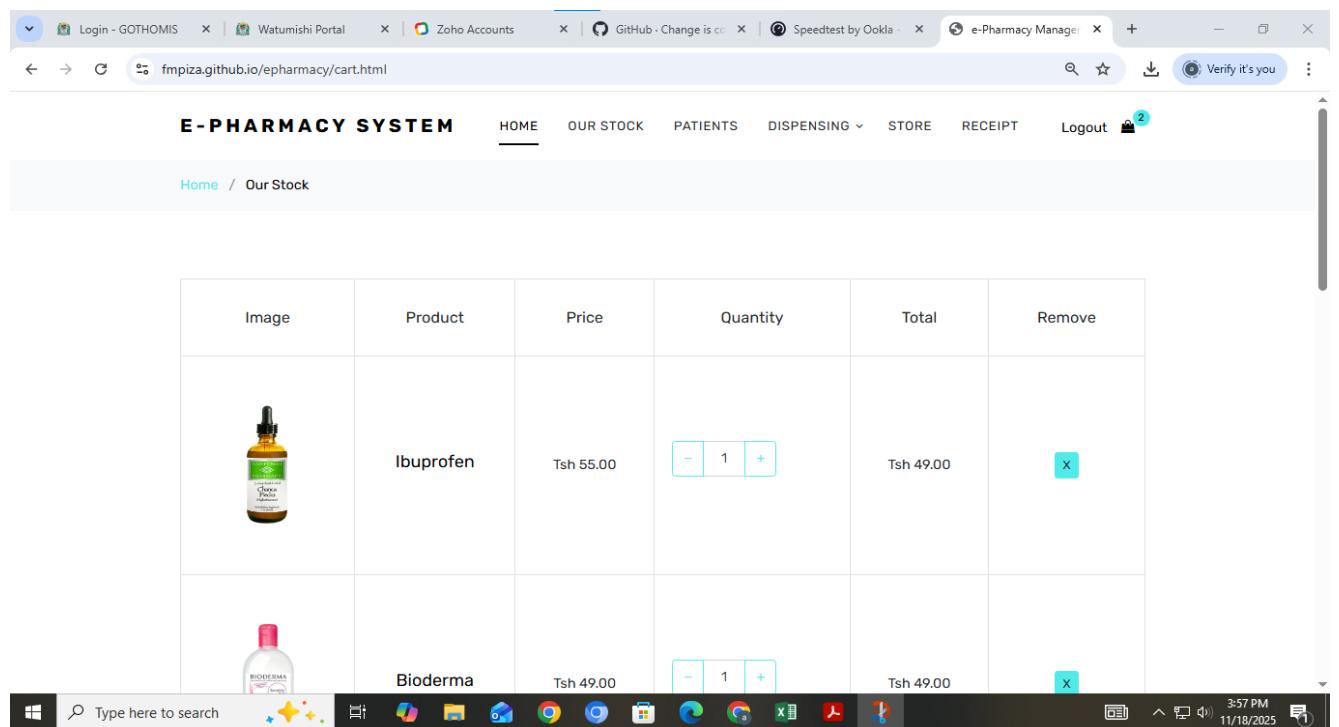


Image	Product	Price	Quantity	Total	Remove
	Ibuprofen	Tsh 55.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	Tsh 49.00	<input type="button" value="X"/>
	Bioderma	Tsh 49.00	<input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/>	Tsh 49.00	<input type="button" value="X"/>

The screenshot shows a web browser window with the URL [fmpiza.github.io/epharmacy/cart.html](http://fmpiza.github.io/epharmacy/cart.html). The page displays a shopping cart with a single item: Bioderma lotion. The item is shown with a small image, the brand name, the price (Tsh 49.00), and a quantity selector set to 1. There are buttons for 'BUY NOW' and 'CANCEL' at the bottom left, and a 'TOTAL ORDER' summary on the right. The summary shows a Subtotal of Tsh 230.00 and a Total of Tsh 230.00. A 'PROCEED TO CHECKOUT' button is located at the bottom right. The browser's address bar and various tabs are visible at the top.

### 3.2 Patient Registration

On this section, the system User can do registration of the patient as well ensuring the saving of information for a certain registered patient. Therefore, through this Patient registration functionality, some of recorded information such as Patient Names, phone number, tribe, area of residence, visit category, service name/ medication as well as amount to be paid by the patient towards a certain kind of service. It appears as follow;

The screenshot shows a web browser with multiple tabs open. The active tab is titled 'Patient Registration' on the URL 'fmpiza.github.io/epharmacy/patient.html?'. The page content is for a 'Patient Registration' form. The form fields are as follows:

- First Name \*
- Middle Name \*
- Last Name \*
- Sex (dropdown menu)
- Date of Birth \*
- Phone \*
- Tribe \*
- Region \*

The browser interface includes a search bar at the bottom, a taskbar with various pinned icons, and a system tray showing the date and time (3:59 PM, 11/18/2025).

Area of Residence \*

Main Category ▾

Service Category ▾

Service Name / Medication \*

Price \*

Visit Category ▾

Insurance Patient

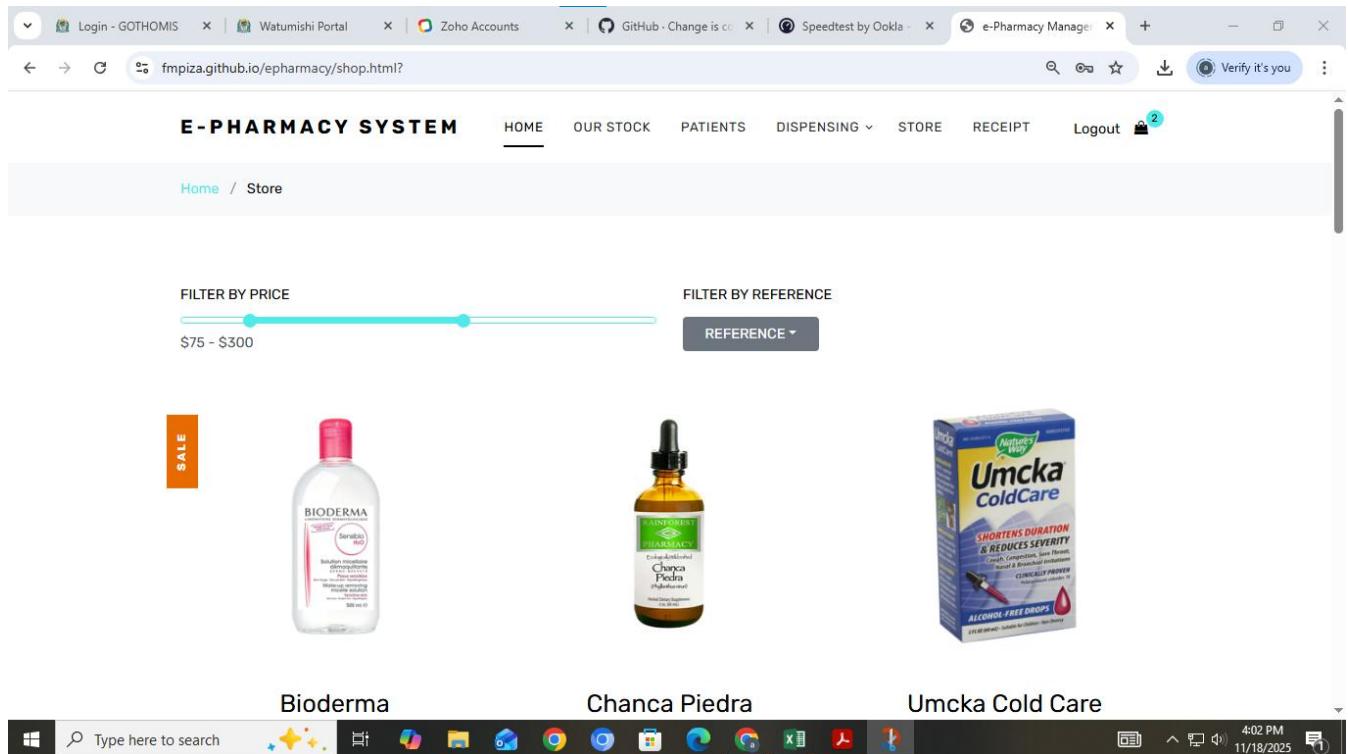
Non Insurance Patient

**REGISTER**

**REQUEST RECEIPT**

### 3.3 Store

On this section, the system user can view a certain balance of items available in the store. For example, Total available balance of Paracetamol is 24. Therefore, through this kind of functionality a system user can easily understand the statistical balance of items in the store for further uses. It appears as follow;



The screenshot shows the 'E-PHARMACY SYSTEM' store page. At the top, there are navigation links: HOME, OUR STOCK, PATIENTS, DISPENSING, STORE, RECEIPT, and Logout. Below the navigation, a breadcrumb trail shows 'Home / Store'. There are two filter sections: 'FILTER BY PRICE' with a slider from '\$75 - \$300' and 'FILTER BY REFERENCE' with a dropdown menu labeled 'REFERENCE'. Below the filters, three products are displayed: 'Bioderma' (a white bottle with a red cap), 'Chanca Piedra' (a brown glass bottle with a black cap), and 'Umcka Cold Care' (a blue and yellow box). Each product has a small 'SALE' tag next to its image. The Windows taskbar at the bottom shows various pinned icons and the date/time as 11/18/2025, 4:02 PM.

The screenshot shows a web browser window with the URL [fmpiza.github.io/epharmacy/shop.html?](http://fmpiza.github.io/epharmacy/shop.html?) The page displays three product items:

- Cetyl Pure**: A purple bottle of dietary supplement.
- CLA Core**: A white and green container of CLA Core.
- Poo Pourri**: A white jar of Poo Pourri with a sprig of lavender.

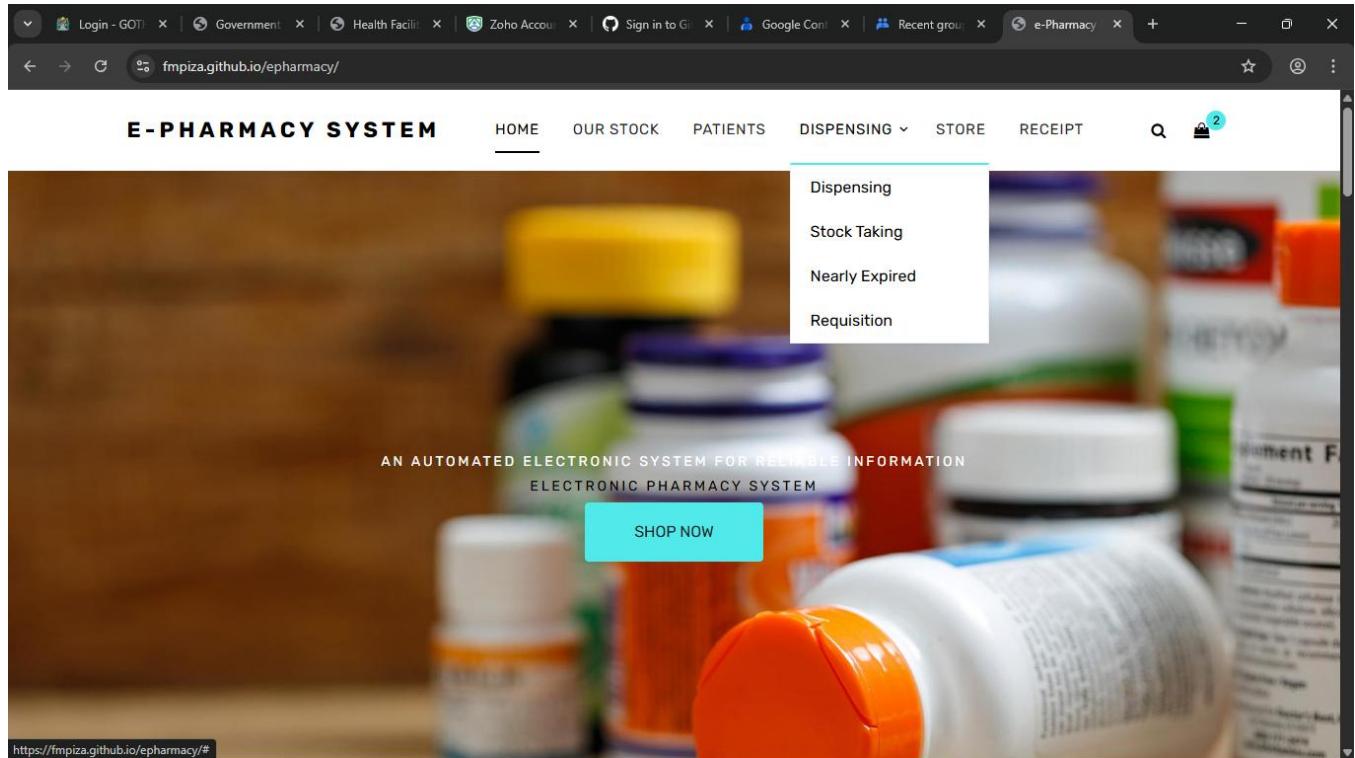
Below the products is a navigation bar with buttons for page 1, 2, 3, 4, 5, and >.

The screenshot shows the homepage of the 'e-Pharmacy System'. The header features the text 'E-PHARMACY SYSTEM' and 'An Automated Electronic'. To the right, there is a section titled 'PATIENT'S CATEGORIES' with a description of the system's purpose. The Windows taskbar at the bottom shows various open applications.

The screenshot shows the login page of the 'e-Pharmacy Management System'. The header reads 'e-PHARMACY MANAGEMENT SYSTEM' and '(Dispenser Account) | Home'. The page contains two input fields for 'Username' and 'Password', and a 'LOGIN' button. At the bottom, a copyright notice states '2025@ Developed by Fridolin'. The Windows taskbar at the bottom shows various open applications.

### 3.4 Dispensing

On this section, the system user can easily make / dispense medication according to the requirement of the patient. A system user can first sign in the account then filling the required details for dispensing. Such as Medical Record Number (MRN), Store Name, Number of Dose, Price of Medication/ Item. It appears as follow;



### 4.0 Dispensing

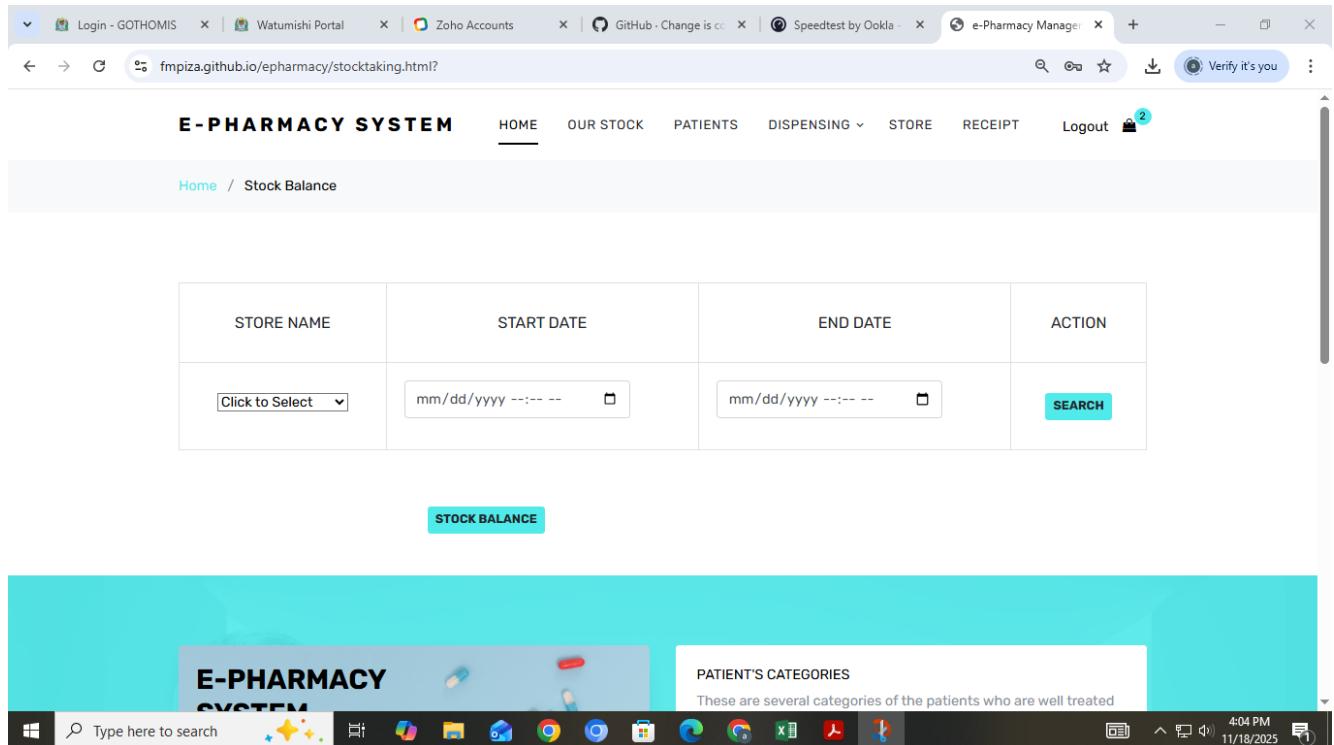
On this section, the system user can view the main system functionalities from the point of navigation section on the left-hand side of the system whereby he / she can choose on what kind of process he needs to interact with. It appears as follow;

SNo.	MEDICATION	STORE NAME	DOSE	PRICE	ACTION
	 <div> <input type="text" value="Type a Medication.."/> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Click to Select</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Click to Select</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Dispensing Store</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Outside Store</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Inside Store</span> </div> </div>	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Click to Select</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Click to Select</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Dispensing Store</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Outside Store</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Inside Store</span> </div>	<span>-</span> <span>1</span> <span>+</span>	Tsh 49.00	<span>DISPENSE NOW</span>
	 <div> <input type="text" value="Type a Medication.."/> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Click to Select</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Click to Select</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Dispensing Store</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Outside Store</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Inside Store</span> </div> </div>	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Click to Select</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Click to Select</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Dispensing Store</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Outside Store</span> </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> <span>Inside Store</span> </div>	<span>-</span> <span>1</span> <span>+</span>	Tsh 49.00	<span>DISPENSE NOW</span>

The screenshot shows a web-based application for managing pharmaceutical dispensing. At the top, there is a navigation bar with several tabs: 'Login - GOTHOMIS', 'Watumishi Portal', 'Zoho Accounts', 'GitHub - Change is co...', 'Speedtest by Ookla -', 'e-Pharmacy Manager', and a 'Verify it's you' button. The main content area displays a product image of a Bioderma bottle, a search bar with placeholder text 'Type a Medication...', a dropdown menu 'Click to Select', a quantity selector with buttons for minus, one, and plus, a price 'Tsh 49.00', and a blue 'DISPENSE NOW' button. Below this, there are two buttons: 'TOTAL BILL' and 'TSH. 12000/='. The bottom section features a teal-colored footer with the title 'E-PHARMACY SYSTEM' and a subdescription 'An Automated Electronic Pharmacy Management System aimed at Medical pharmaceutical Services'. To the right, there is a decorative image of various colorful pills and capsules. A box titled 'PATIENT'S CATEGORIES' contains text about patient categories under the Electronic System, mentioning NHIF, Self Referral, and Exemption based patients. The bottom of the screen shows the Windows taskbar with the Start button, a search bar, and icons for File Explorer, Photos, Mail, and other applications. The system status bar at the bottom right shows the time as 4:04 PM and the date as 11/18/2025.

## 4.1 Stock Taking

On this section, the system user can do stock taking in an easy mode of Stock taking from the Main Store. Therefore, a system user can follow a systematic / flow of algorithm on the whole process of Stock Taking from the main store in an easy way of conducting. It appears as follow;



The screenshot shows a web browser window with the URL [fmpiza.github.io/epharmacy/stocktaking.html?](http://fmpiza.github.io/epharmacy/stocktaking.html?). The page is titled "E-PHARMACY SYSTEM" and has a navigation bar with links for HOME, OUR STOCK, PATIENTS, DISPENSING, STORE, RECEIPT, and Logout. The "HOME" link is underlined. Below the navigation bar, the page displays "Home / Stock Balance". The main content area contains a table with four columns: "STORE NAME", "START DATE", "END DATE", and "ACTION". The "ACTION" column contains a "SEARCH" button. Below the table is a "STOCK BALANCE" button. The background of the page is light blue. At the bottom of the screen, the Windows taskbar is visible, showing the system tray and system clock.

>Login - GOTHOMIS | Watumishi Portal | Zoho Accounts | GitHub - Change is co | Speedtest by Ookla | e-Pharmacy Manager | Verify it's you

fmmpiza.github.io/epharmacy/stocktaking.html?

E-PHARMACY SYSTEM

HOME OUR STOCK PATIENTS DISPENSING STORE RECEIPT Logout

Home / Stock Balance

STORE NAME	START DATE	END DATE	ACTION
<input type="button" value="Click to Select"/>	<input type="text" value="mm/dd/yyyy --::--"/> <input type="button" value=""/>	<input type="text" value="mm/dd/yyyy --::--"/> <input type="button" value=""/>	<input type="button" value="SEARCH"/>

**STOCK BALANCE**

**E-PHARMACY SYSTEM**

PATIENT'S CATEGORIES  
These are several categories of the patients who are well treated

4:05 PM 11/18/2025

Login - GOTHOMIS | Watumishi Portal | Zoho Accounts | GitHub - Change is co | Speedtest by Ookla | e-Pharmacy Manager | Verify it's you

fmmpiza.github.io/epharmacy/stocktaking.html?

E-PHARMACY SYSTEM

HOME OUR STOCK PATIENTS DISPENSING STORE RECEIPT Logout

Home / Stock Balance

STORE NAME	START DATE	END DATE	ACTION
<input type="button" value="Click to Select"/>	<input type="text" value="mm/dd/yyyy --::--"/> <input type="button" value=""/>	<input type="text" value="mm/dd/yyyy --::--"/> <input type="button" value=""/>	<input type="button" value="SEARCH"/>

**STOCK BALANCE**

**E-PHARMACY SYSTEM**

PATIENT'S CATEGORIES  
These are several categories of the patients who are well treated

4:05 PM 11/18/2025

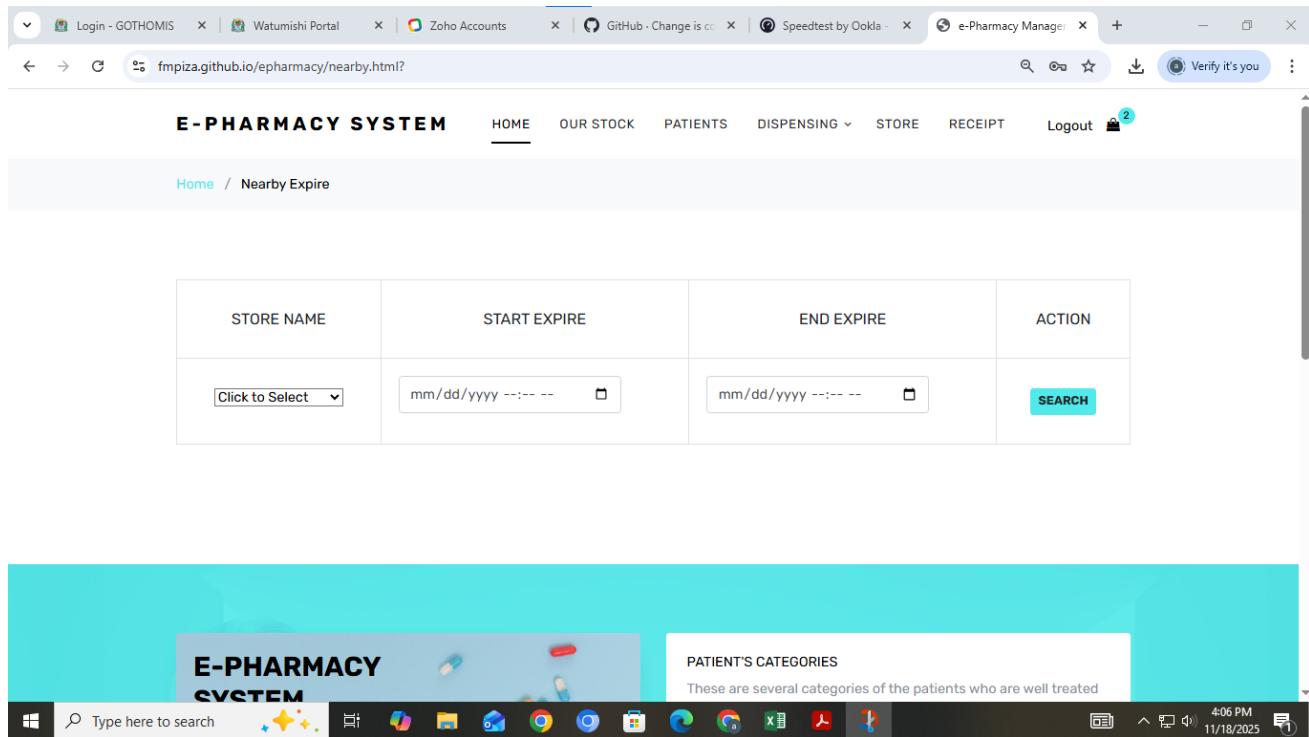
The United Republic of Tanzania

General Stock Balance Report

SN	Item Name	Quantity
1	EXAMINATION GLOVES NITRIL DISPOSABLE-MEDIUM	268,680
2	OMEPRAZOLE 20MG CAPSULE	202,300
3	CALCIUM 500MG+ VITAMIN D 10MCG TABLETS	78,000
4	IV. GIVING SET	49,900
5	FERROUS SULPHATE 200MG + FOLIC ACID 0.25 MG TABLETS	46,800
6	MULTIVITAMIN TABLET	39,600
7	MISOPROSTOL 200MCG TABLETS	37,999
8	METRONIDAZOLE 200MG TABLETS	29,075
9	FOLIC ACID 5MG TABLETS	25,200
10	METRONIDAZOLE 200MG TABLETS	23,800
11	ACETYLSALICYLIC ACID (ENTERIC COATED) 75MG TABLETS	20,180
12	ISOFLURANE INHALATION 250ML BOTTLE	17,021
13	MEBENDAZOLE 100MG TABLETS	16,500
14	TENOFOVIR DISOPROXIL FUMARATE 300MG+LAMIVUDINE 300MG+DOLULTEGRAVIR 50MG	15,000
15	IBUPROFEN 200MG TABLETS	13,000
16	CO-TRIMOXAZOLE 480MG TABLETS	11,700
17	GLOVES SURGICAL LATEX RUBBER STERILE SIZE 7.5	10,798
18	FLUCLOXACELLIN 250MG+ AMOXICILLIN 250MG CAPSULES	10,612
19	CEFTRIAXONE 1G POWDER FOR INJECTION	10,276
20	DISPENSING ENVELOPS PAPER TYPE	10,000
21	SYRINGE AUTO-DISABLE 3CC WITH NEEDLE	9,995
22	AMPICILLIN 250MG+ CLOXACELLIN 250MG CAPSULES	9,500
23	AUTODISABLE DISPOSABLE SYRINGE 3CC	9,495
24	AMOXICILLIN 250MG CAPSULES	9,067

## 4.2 Nearly Expired

On this section, the system user can view all nearly expired Medications/ items from the Main Store. Therefore, through this functionality, a system user can easily determine a Gap or where there is a deficit in the number of available medications / items. It appears as follow;



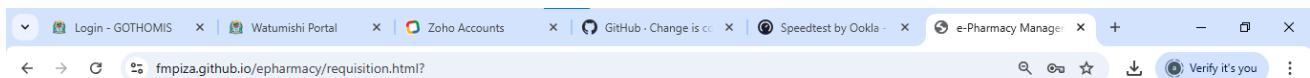
The screenshot shows a web browser window with the URL [fmfpizza.github.io/epharmacy/nearby.html?](http://fmfpizza.github.io/epharmacy/nearby.html?). The page title is "E-PHARMACY SYSTEM". The navigation menu includes "HOME", "OUR STOCK", "PATIENTS", "DISPENSING", "STORE", "RECEIPT", "Logout", and a notification icon with a "2". The current page is "Home / Nearby Expire". Below the menu is a search form with four fields: "STORE NAME" (dropdown menu "Click to Select"), "START EXPIRE" (date input field "mm/dd/yyyy --:-- --"), "END EXPIRE" (date input field "mm/dd/yyyy --:-- --"), and a "SEARCH" button. The background features a teal header with the "E-PHARMACY SYSTEM" logo and a "PATIENT'S CATEGORIES" sidebar.

### 4.3 Requisition

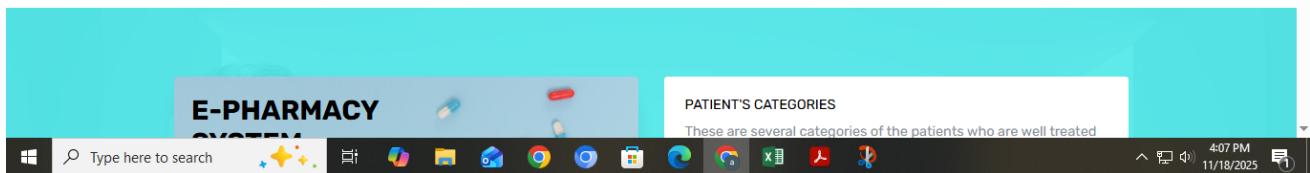
On this section, the system user can do Item / Medications requisition from the Main Store. Therefore, through this functionality a system user can easily determine items which need to be requested from the store. It appears as follow;



REQUESTED FROM	REQUESTING TO	REQUESTING TYPE	ACTION
<input type="button" value="Click to Select"/>	<input type="button" value="Click to Select"/>	<input type="button" value="Click to Select"/>	<input type="button" value="CREATE"/>



REQUESTED FROM	REQUESTING TO	REQUESTING TYPE	ACTION
<input type="button" value="Click to Select"/>	<input type="button" value="Click to Select"/>	<input type="button" value="Click to Select"/> Click to Select Internal Outside	<input type="button" value="CREATE"/>



## **5.0 CUSTOMER SUPPORT AND MAINTENANCE**

On this section, the system user can interact with the functionality of Customer Support and maintenance on the system whereby he/ she can click on the red colored button named “**Support**” to get an instant support from the person who is responsible for Customer Support. It appears as follow;

## **6.0 MAINTENANCE**

On this section, a system user can get a periodic technical updates and maintenance of the system for the best targeted improvements and system great performance depend on the required aims of the system owner in cooperation to the technical developer.