PHARMAX**PRO**

USER GUIDE

PHARMACY MANAGEMENT
WEB APPLICATION

SOFTWARE GHOSTS   v1.2

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INTRODUCTION

- **PHARMAX** is a web application designed to manage pharmacies and meet all their needs. The application is built on a carefully designed and optimized database and a solid system that combines powerful performance with great UI experience.
- **PHARMAX** improves your pharmacy management experience with all the functions it comes with, such as viewing data tables, adding or modifying data via simple forms that are very user friendly, choosing between multiple themes that gives you the best color experience, securing your data and providing different account types with different privileges that satisfy managers' needs. Moreover, this application is being developed and improved by time as we try to improve our ideas and get best out of users' feedbacks. We hope you will have a great experience using **PHARMAX** and get best out of it.
- This application is created by *Software Ghosts*; a team of five 3rd year Computer Engineering students "*Ahmed Bally, Abdelrahman Abdelhamid, Abdelrahman Metwaly, Mohamed Adam and Mona Mardy*" supervised by Prof. Dr. Amany Sarhan.

USER TYPES AND PRIVILEGES.

Type	Privilege
Admin	Full Access - View all data tables. - Add, update or remove existing data.
Pharmacist	Partial Access - Create invoices. - View customers, medicines and inventory data - Manage medicines, inventory and customers data.
Sales	Partial Access - View pharmacies, customers, invoices, inventories and suppliers' data. - Manage medicines, customers and suppliers data.

DASHBOARD
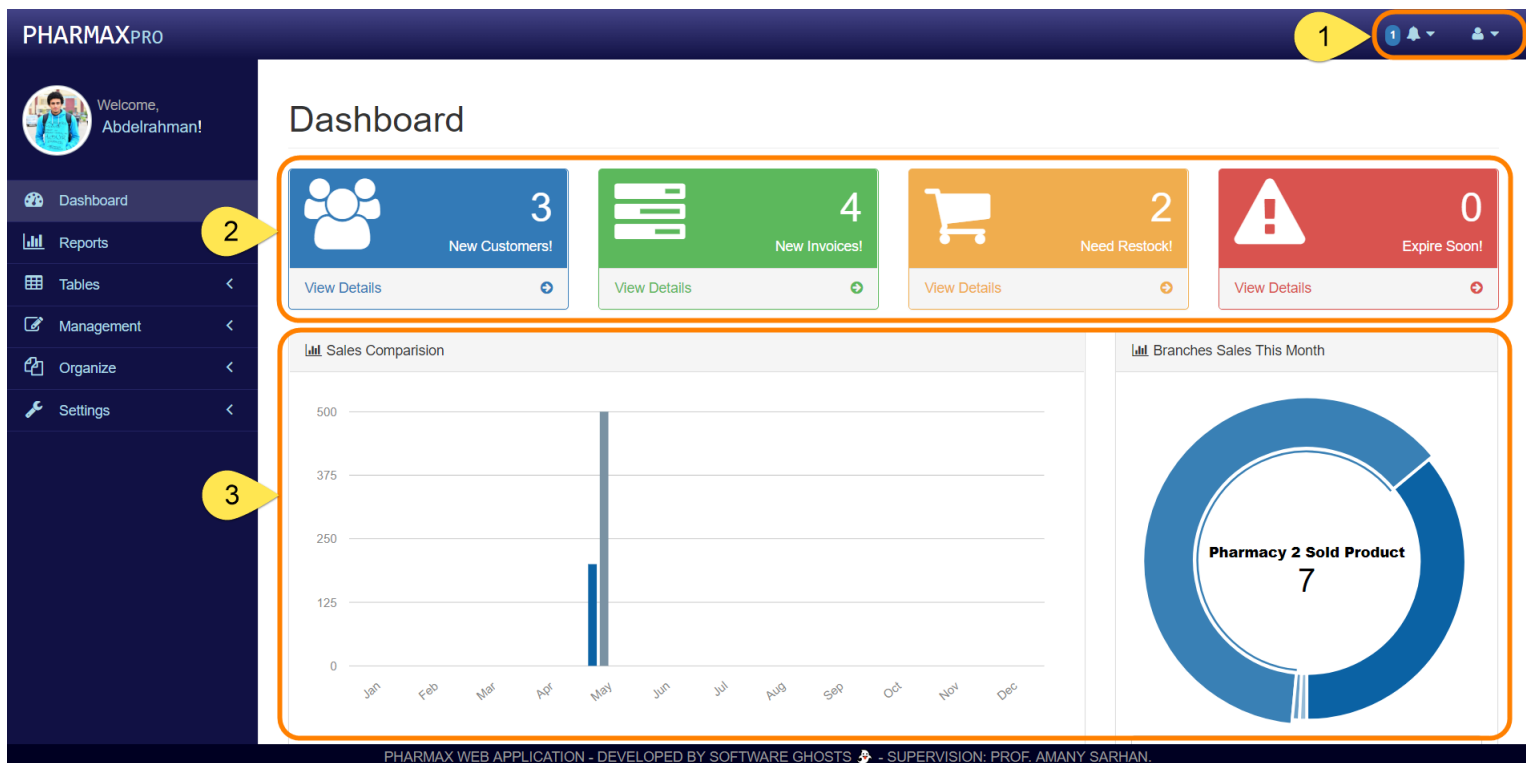
(1) Navbar Buttons

- Notifications – alerting medicines status.
- Account Settings – quick access to account, app settings and logout.

(2) Recent Stats Panels

- New Customers – no. of new customers registered within last week.
- New Invoices – no. of new invoices printed within last week.
- Need Restock – no. of medicines running out of stock
- Expire Soon – no. of medicines expiring in 3 months.

(3) Statistics

- Sales Comparison – total sales from each pharmacy branch.
- Branches Sales – total no. of items sold from each pharmacy branch.

REPORTS

- Sales – advanced sales charts.
- Logs – saving all employees action for further reviews by managers.

Both reports sections are not available yet.

TABLES

Table sample – showing (Employees) table.

- Display data stored in the pharmacy database.
- Tables as displayed are summarized in the following structure:

Table	Displayed Columns									
Pharmacies	Pharmacy	Location (Address)	Phones (List)	Administrator	Admin Phone					
Employees	Employee ID	Pharmacy (Branch)	First Name	Last Name	Employee Phone	Personal Address	Type (Role)	Salary	Shift	Hire Date	Photo
Customers	Customer No. (ID)	Customer Name	Customer Address	Customer Phone	Score					
Invoices	Invoice ID	Items (Sold)	Employee Name	Customer Name	Print Date	Total	Pharmacy (Branch)			
* Inventory	Product ID	Name	Price	Quantity	Expire Date	Barcode				
Medicines	Medicine ID	Name	Description	Supplier ID	Supplier Name					
Suppliers	Supplier ID	Name	Phone	Address	Email					

* Inventory table shows products in stock for each different pharmacy branch.

TABLES FEATURES

1. Data tables are displayed according to **user type** (<u>privilege</u> dependent).
2. Clear and not confusing display of data for each table.
3. Dynamic **search** within all columns that works on typing, for each table.
4. Choose number of rows to be displayed per page.
5. All tables support **sorting** by any column.

Example – Searching and Sorting

- The following (medicines) table is sorted by "Supplier ID", and search results are displayed instantly as we were searching for "Headache".

MANAGEMENT – INVOICES

- Manage selling process by creating new invoices for customers through the **Invoices Panel** – Management > Invoices.

1. Adding medicines

    a. Search for medicines by their name or barcode.

    b. Results will show up on typing, <u>must click</u> the medicine name to add.

    c. Only medicines in current user's pharmacy's inventory will appear.

2. Modifying invoice list

    a. You can modify quantity of each medicine as desired.

    b. Delete button is available to remove a medicine from the invoice.

    c. Total price will be updated on any change.

3. **Registering customer** (optional)
   a. Register a new customer or assign existing one to this invoice.
   b. On typing the customer's phone number, the number would show up by auto completion <u>if it already exists</u> in the database, <u>must click</u> the result for rest of the customer's data to be filled automatically.
   c. Click *Confirm & Print* to print the invoice.

MANAGEMENT – DATA TABLES

- **Add**, **Update** or **Delete** data to / from the tables:
  Pharmacies, Employees, Customers, Inventory, Medicines and Suppliers.

1. **Adding** a new branch to the database requires the new branch's *address* and *phone* number(s) then **Submit**. *Pharmacy number* should be ignored. **Administrator** employee is assigned to the new branch after creation, using *modify an existing branch* form.

2. To **Modify** an existing branch, select the pharmacy from the list, change desired values and *Admin Employee* then apply changes. You can **remove** this branch from the database using *Remove Branch* button.

Supplier Management is very similar in functionality to the previous example.

Rest of management pages *"Employees – Customers – Inventory – Medicines"* are similar, with two sections on each page, one for **adding** and another one for **modifying**, but there are few differences:

1. **Modifying** any data record from the previous tables using *modify* section in each one's page requires *searching* for the *desired record* with the specified value in *placeholder*, and then <u>must click</u> on a result that is shown by auto completion to select that record.

Examples for selecting an existing record from Medicines table and Customers table.

2. **Adding** a new item to any of these tables is similar, simply fill form with the required data then click *Submit Button*.

Example: to add *Azithromycin* by *Pfizer* to the medicines table. First fill the form, then click Submit Button. Close the Success pop up.

<u>NOTE</u> that a **Success** message will always show up on cases of successful operation, for any of the app functions. **Failure** message will show up otherwise.

MANAGEMENT – ADDING PRODUCTS

- In PHARMAX **medicines** and **products** are <u>not the same</u>.
- Medicines represent the data <u>from which</u> we create products; this solves problems like having different units from the same medicine with different production and expire dates or different barcodes.

- **To add a medicine product (that can be added to invoices):**

  1. **Add** the medicine to your database using *Add form* in **Medicines management** page, as shown in previous example. This requires Medicine's *name*, *description* and *Supplier*.

  2. Note that <u>you must specify the supplier</u>, therefore you must make sure the medicine's supplier is added previously using *Supplier management* page. If not, you might need to add it first.

  3. **After adding the medicine,** go to **Inventory management** page, where you can add new products to selected pharmacy's inventory (or update existing products, of course).

  4. You will need to *search* for the medicine and <u>must click</u> on one result from the auto completion, select the *pharmacy* and enter product's *price, quantity, expire date* and *barcode*, then *submit*.

Adding a product for Azithromycin which we added to our medicines in the previous example.

Add a new Product
Product Name
Azithromycin
Pharmacy
1 ▾
Price
200
Quantity
10
Expire Date
10/06/2021
Barcode
642199009224
[Submit Button] [Reset Button]

MANAGEMENT – DATA FORMATS

- Adding or modifying any data as shown before is a simple process. However, you must know the accepted data formats or patterns to have a proper accepted input. The following table shows the accepted format for each field you would see in any of the forms.

Field Name	Accepted Format
* Name	A string in English alphabet with spaces allowed between words.
First Name	A string in English alphabet up to 25 characters.
Last Name	A string in English alphabet up to 25 characters.
Username	A string starting with (A-Z, a-z) character, followed by same characters, numbers, backslash, underscore or dots. Maximum 20 characters.
Password	A string in any characters with minimum length of 5.
Address	A string in any characters.
Salary	A number in 0 to 9 with minimum length of 3.
Phone	A number in 0 to 9 only, with minimum length of 7 and maximum length of 15.
Description	A string in any characters.
Email Address	A string in proper email address format, e.g. name@site.com

ORGANIZING

Notifications

Pharmacy ▲	Quantity ⇕	Medicine Name ⇕
2	7	Panadol Extra
2	5	Brufen
3	5	Panadol Extra

Expire Soon   Expired   Need Restock

Medicines need to restock.

Show 10 ▼ entries   Search:

Showing 1 to 3 of 3 entries

Previous   1   Next

- **Notifications** page displays tables containing the following data:
    1. **Expire Soon** – all medicines expiring in less than 3 months.
    2. **Expired** – all medicines that are already passed expire date.
    3. **Need Restock** – all medicines which quantity are below 10.

Expire Soon   Expired   Need Restock

Medicines expire soon.

Show 10 ▼ entries   Search:

Pharmacy ▲	Expire Date ⇕	Medicine Name ⇕
No data available in table		

Showing 0 to 0 of 0 entries
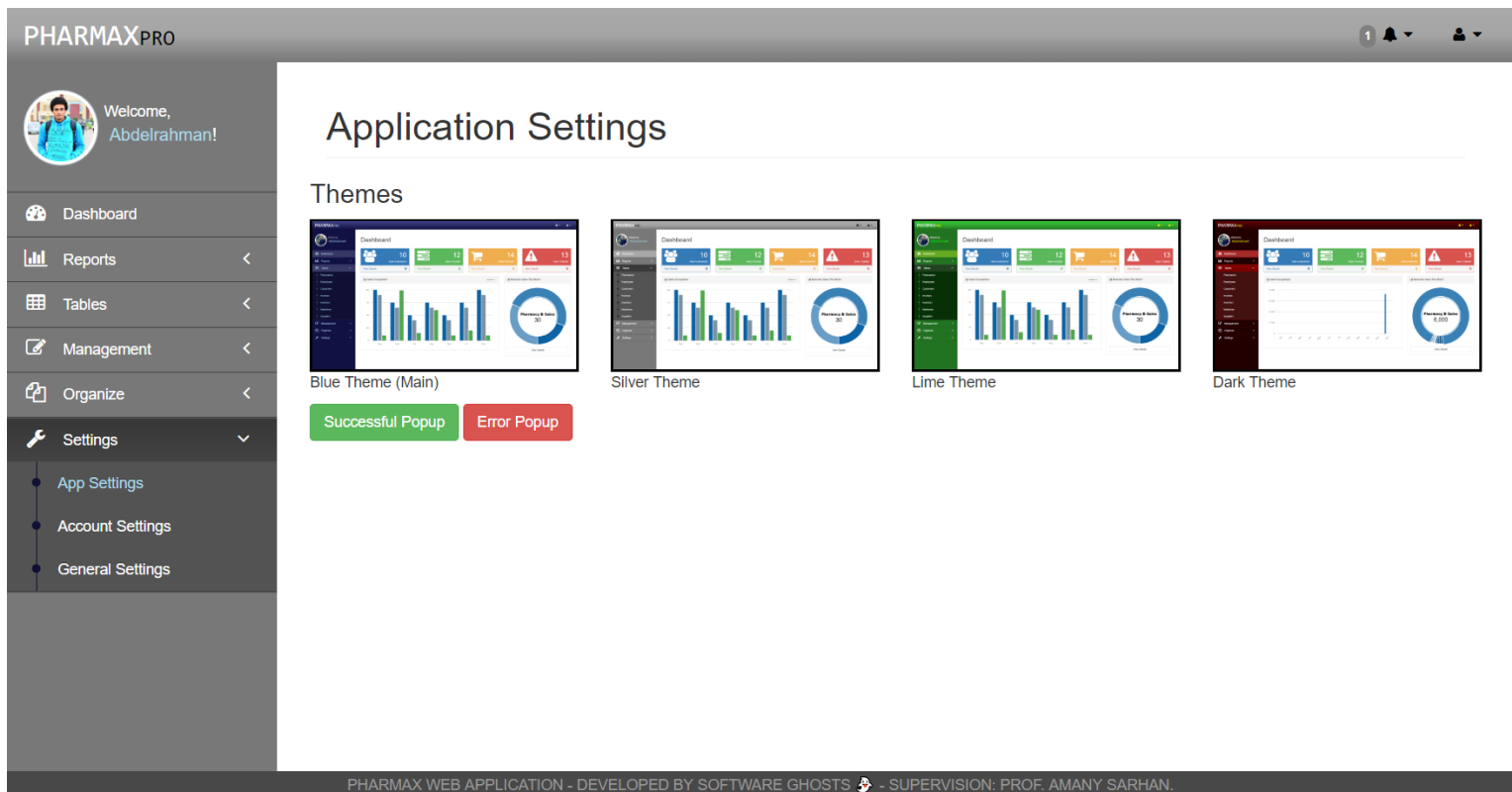
Previous   Next

- Each section displays info related to its notification.
- All *Table Features* work on notifications tables as well.

SCHEDULE
- This feature is not available yet but is expected to be added in next versions to help scheduling and managing the pharmacy process and its related work.

APPLICATION SETTINGS

- PHARMAX cares about UI and user experience using the application, therefore it supports theming. In App Settings page you can find 4 different themes to choose from.

- The Popup buttons are added to preview success or error popups.
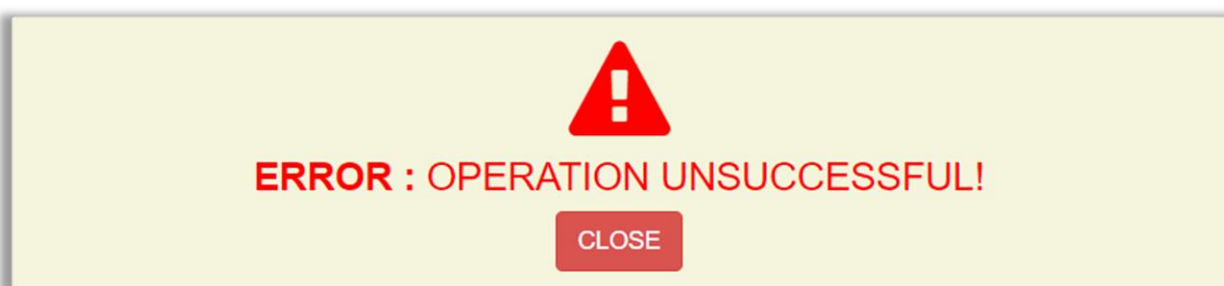
ACCOUNT SETTINGS

- There are two sections in *Account Settings* page

    1. **Current Info** – displays information about the user currently logged-in and displays the profile picture.

    2. **Update Info** – contains a form that allows you to update your data, password or profile picture. You <u>must enter your current password</u> to be able to save any changes.