



(Established under Galgotias University Uttar Pradesh Act No. 14 of 2011)

Pharmacy Management System

Submitted By

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Under the Supervision of

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ASS. Professor

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(Established under Galgotias University Uttar Pradesh Act No. 14 of 2011)

SCHOOL OF COMPUTING AND SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

Certified that this project report “**Pharmacy Management System**” is the bona fide work of “**PRASHANT DIXIT (1613101500)**” who carried out the project work under my supervision.

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Abstract

Talking about the system, it contains all the basic functions which include adding, viewing, deleting and updating items. In order to add a medicine detail, the user has to provide its name, price, quantity, category and discount. The user can post requirement for medicine. User can purchase medicine online. Medicine is provided at your doorstep by the nearest associate store.

The prescription is mandatory for ordering medicine. As per the prescription, the user can search medicine and useful information. This application provides information for daily consumption of medicine. This application provides user login to the customer. And admin can get the all expired medicines information and he can able to see all orders information of clients

Introduction

Login: User enters User Name and password to login this software application.

Admin: This module has software configuration only admin can access this module. Here admin adds new employee details, designation, admin details, etc. In this admin assigns tasks to employee.

(I) Overall Description:

The pharmacy management system serves many purposes, including the safe and effective dispensing of pharmaceutical drugs. During the dispensing process, the system will prompt the pharmacist to verify the medication they have filled is for the correct patient, contains the right quantity and dosage, and displays accurate information on the prescription label. Advanced pharmacy management systems offer clinical decision support and may be configured to alert the pharmacist to perform clinical interventions, such as an opportunity to offer verbal counseling if the patient's prescription requires additional education in the pharmacy.

Pharmacy management systems should also serve the pharmacist throughout the Pharmacists' Patient Care Process, a cycle developed by the Joint Commission of Pharmacy Practitioners (JCPP). The process details the steps pharmacists take to practice tangible, proven care to their patients.

(II) Purpose:

With the development of specific and potent synthetic drugs, the emphasis of the pharmacist's responsibility has moved substantially towards the utilization of scientific knowledge in the proper use of modern medicines and the protection of the public against dangers that are inherent in their use.

Pharmacists are employed in regulatory control and drug management, community pharmacy, hospital pharmacy, the pharmaceutical industry, academic activities, training of other health workers, and research. In all these fields, their aim is to ensure optimum drug therapy, both by contributing to the preparation, supply and control of medicines and associated products, and by providing information and advice to those who prescribe or use pharmaceutical products.

(III) **Motivations and scope:**

The development of pharmacy systems to support working processes in both hospital and community pharmacy has taken place over the last 40 years in the UK, US and other countries. For the purposes of this chapter, pharmacy systems are defined as computer systems designed specifically for pharmacy departmental use, with functionality for the management of pharmacy and dispensing processes, such as medicine labelling, patient medication records, decision support for drug interactions and other warnings, stock control, ward inventory management, order processing and functions to support pharmacy manufacturing processes in hospitals. Pharmacy systems are often referred to as pharmacy information systems in healthcare provider organisations in the United States, or as patient medication record (PMR) systems in UK community/retail pharmacy.

Today's pharmacists must be supported by powerful, user-friendly pharmacy management systems that can navigate the complexities of dispensing, inventory management, and point-of-sale functions. Script Pro's SP Central Pharmacy Management System allows your pharmacy to process, track, and dispense all prescriptions with the highest level of security, accuracy, and efficiency.

Existing System

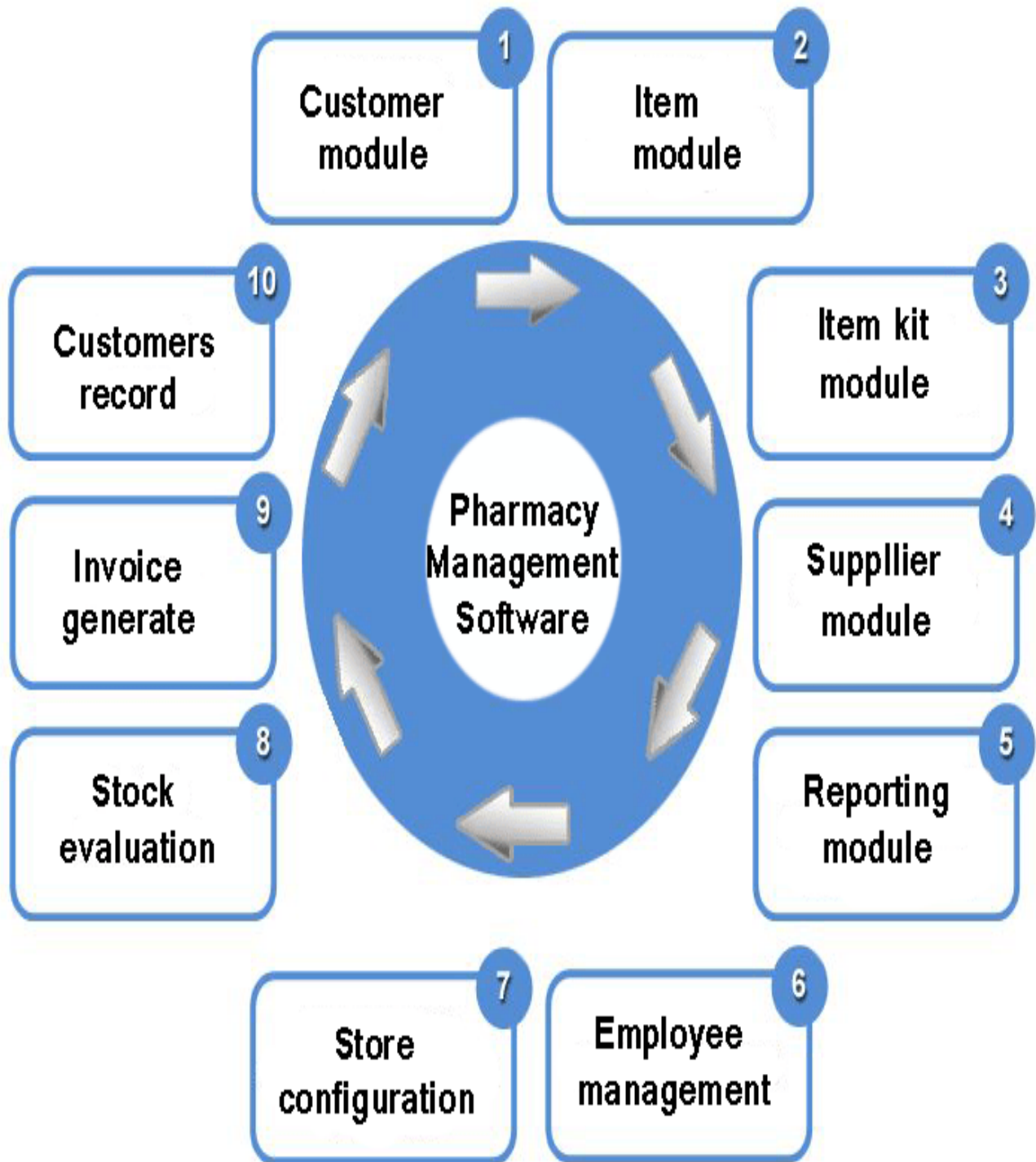
- Barcode driven workflow tools to manage high volumes of dispensing and promote safety at every step of the dispensing process
- Industry-leading drug database including visual drug verifications to minimize dispensing errors
- Third party payer database with corresponding functionality to manage complex coordination of benefit scenarios
- Inventory management controls to efficiently manage pharmacy inventory and minimize out-of-stock items
- Tools to control 340B programs both internally and with contract pharmacy partners
- Pharmacy reporting engine for monitoring financial and key performance indicators
- EHR integration interface for sending and receiving EHR messages that update data in SP Central and your organization's EHR system
- Auto refill feature automatically submits a patient's next refill based on configurable parameters, and can even queue up prescriptions that have no refills for easy viewing and sending out for refill authorization

Pro's **Perfect Integration** -a system that can incorporate robotic filling, barcode driven workflow, IVR, inventory management, point of sale, and enterprise management. All systems are integrated and fully supported by Script Pro's award-winning Customer Service.

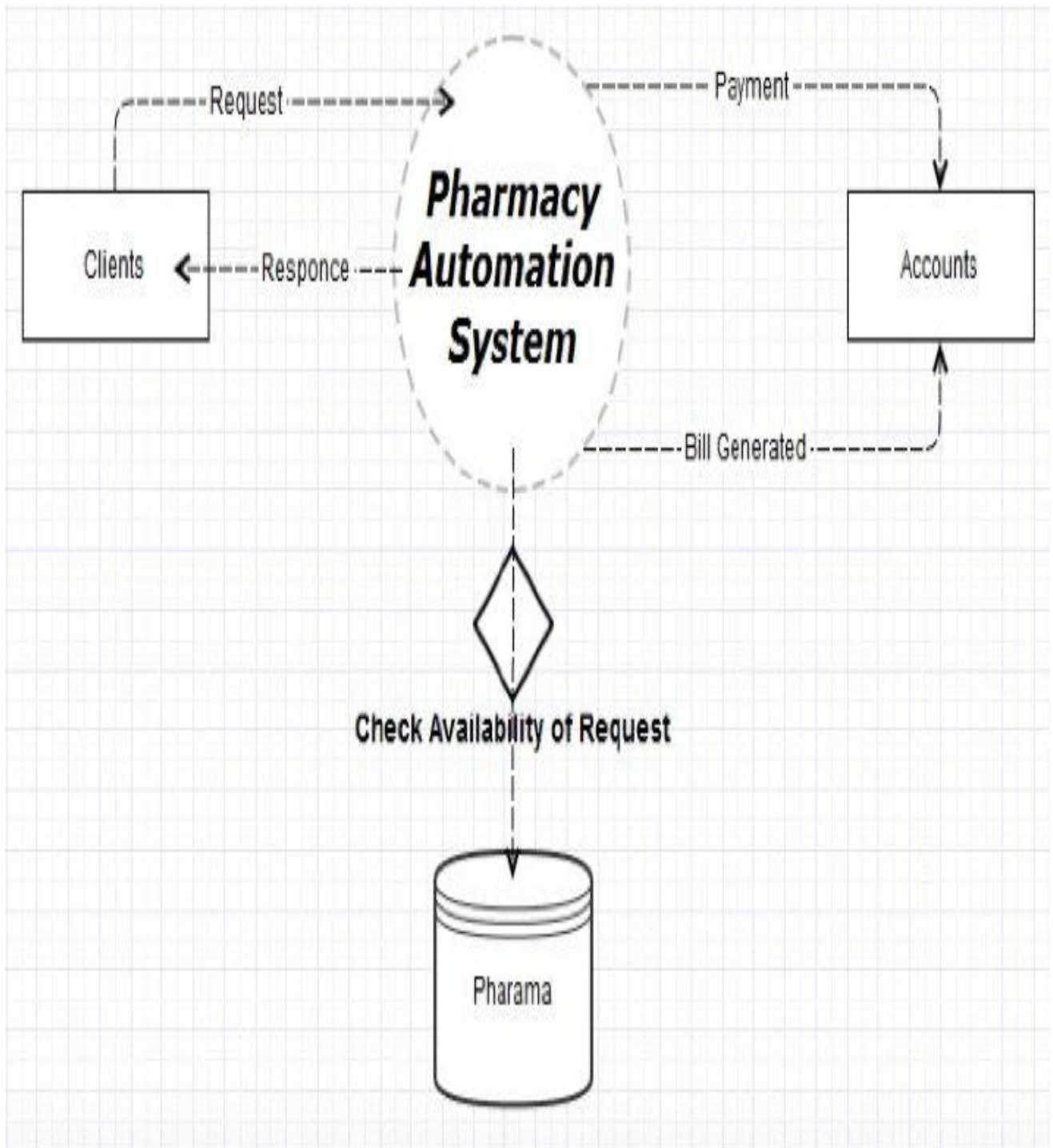
This is the most powerful and efficient system on the market for any size pharmacy operation. It handles the most complex situations, such as 340B virtual inventory management, with ease. It ensures that your pharmacy can withstand the audits you are exposed to from payers, 340B suppliers, and others.

The system will meet the end-to-end operational requirements to provide comprehensive pharmacy services. Script Pro systems are a fully installed, maintained solution that eliminates much of the cost and end user maintenance for an enterprise pharmacy solution. Many other products in the market require significant hardware, software, and interface development to support the software product.

Proposed Model:



Implementation or Architecture Diagram



ACTORS

- Admin
- Manager
- Cashier
- Pharmacist

Roles of Admin

- Admin Can Manage All users
- Admin Can Manage Manager
- Admin Can Manage Cashier
- Admin Can Manage Pharmacist

Roles of Manger

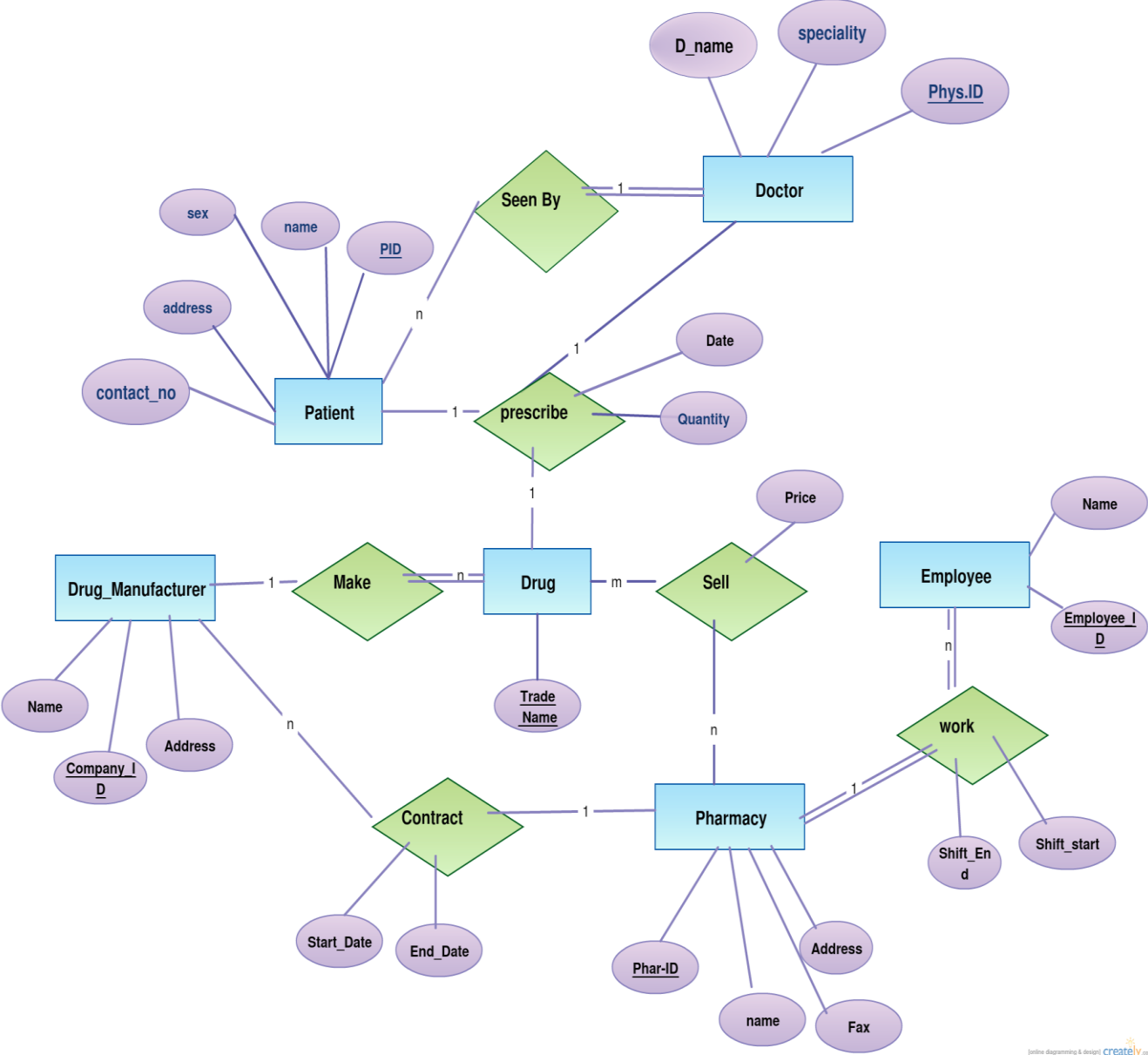
- Manger Can Manage All users
- Manger Can Manage Filed Manager
- Manger Can Manage Cashier
- Manger Can Manage Pharmacist

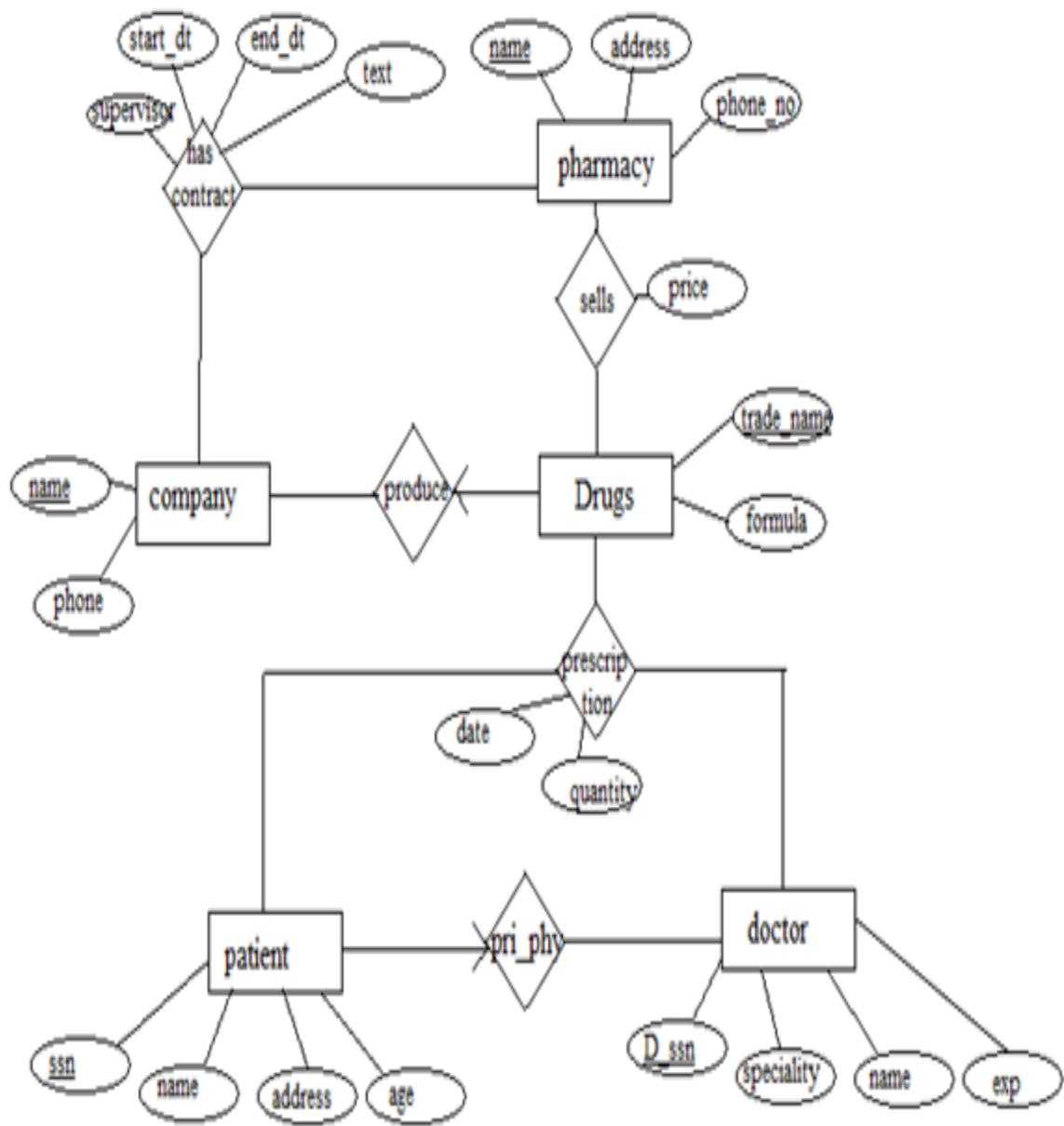
Roles of Cashier

- Manger Can Manage All users
- Manger Can Manage Pharmacist

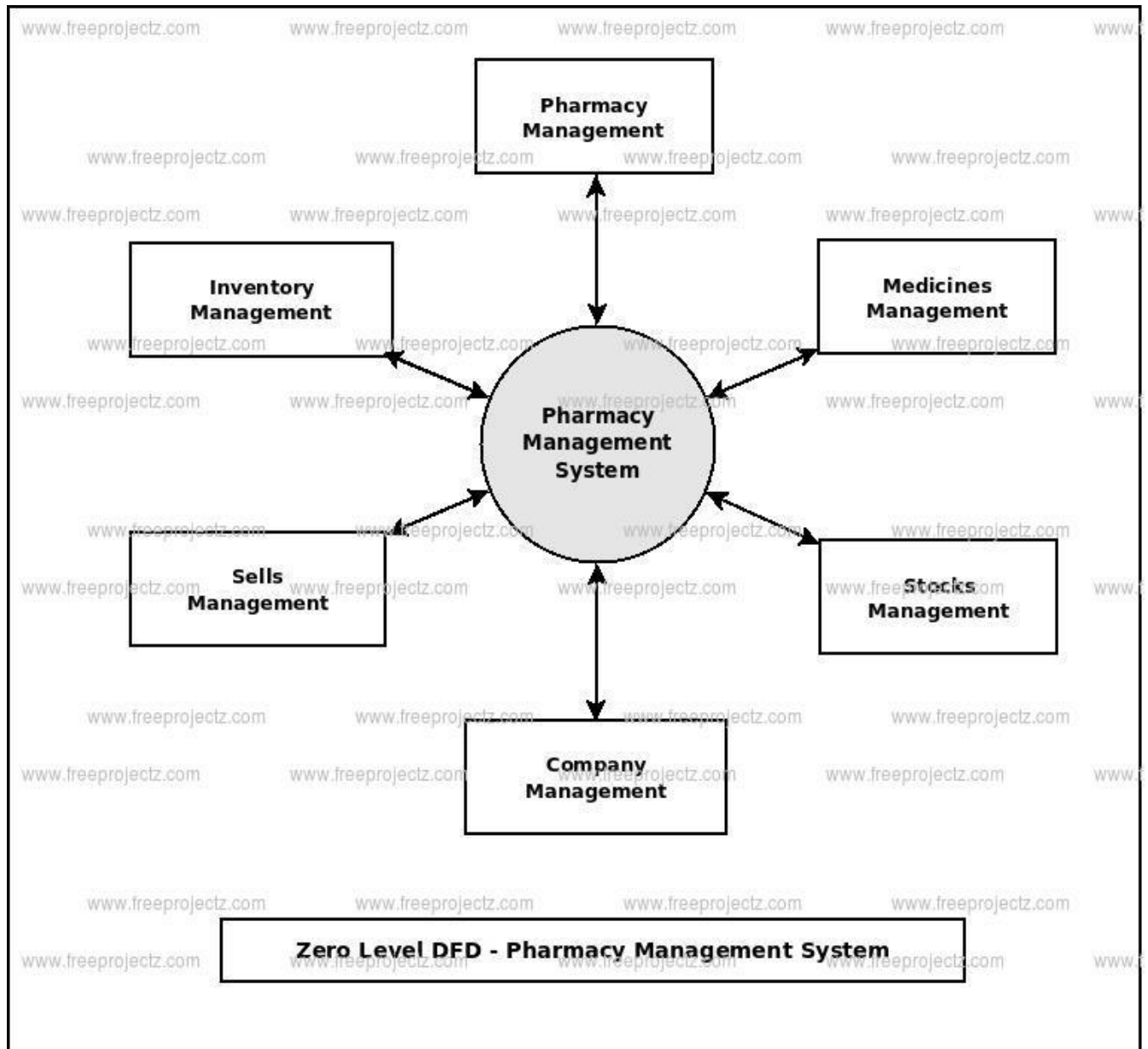
E-R Diagram

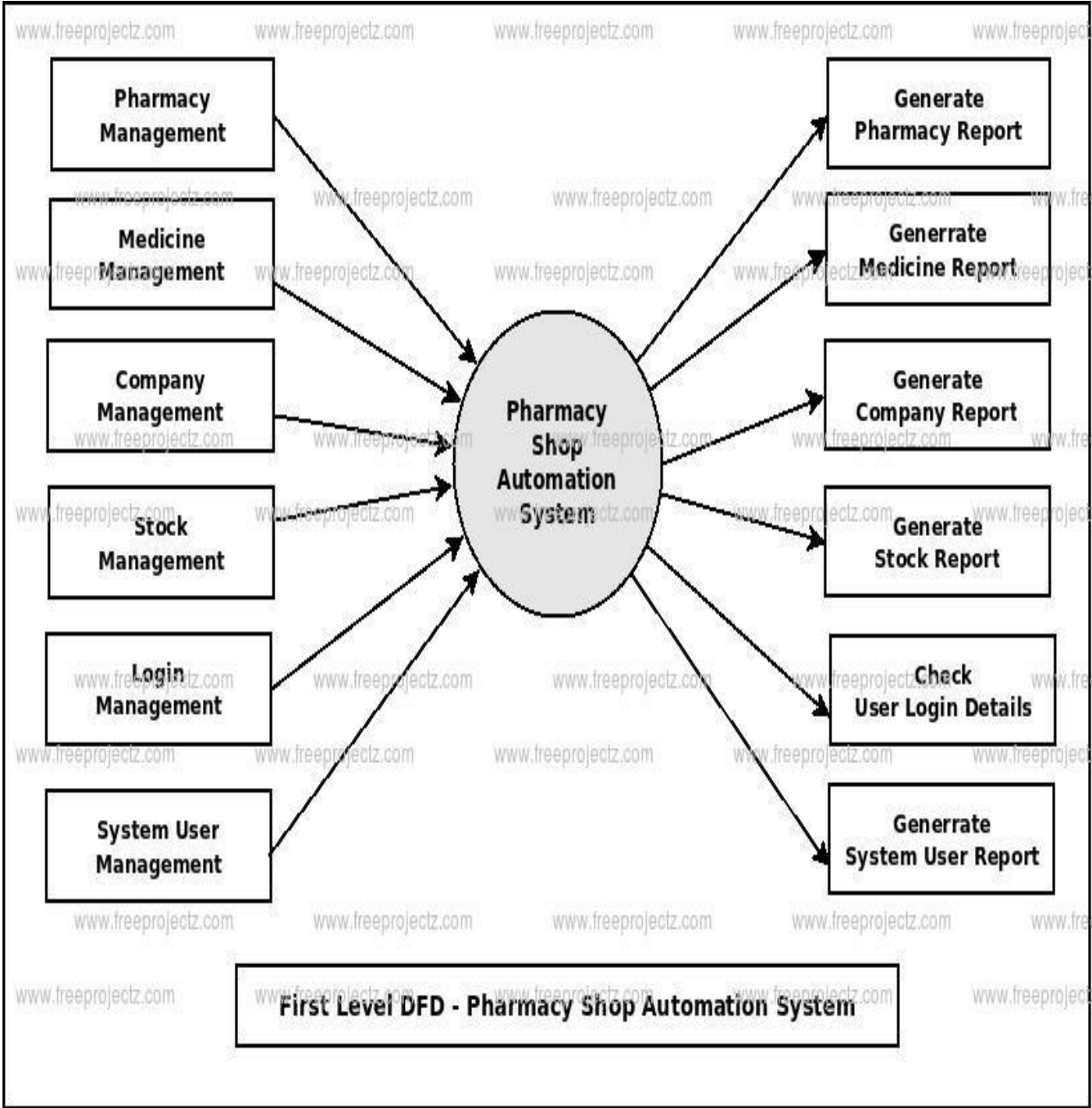
E-R Diagram for Pharmacy Store Information





DFD





Admin:

Admin is a super user of the scheme. The owner is just like admin. The owner has all right to view and modify the data in the system. An owner has followings attributes.

Admin ID:

This is numeric 14 digits number which is unique to every admin. Admin ID is the primary key to admin table in the database.

Name:

This attribute would hold the name of the owner. The name is varchar type variable which holds the data length up to 250 characters.

Email:

This is an essential attribute of the table. Every owner must have a working email id to keep in contact with employees. This field has validation only email formatted values will be stored.

Contact:

This is multi valued attributes which mean every owner can have more the one mobile number in database.

Address:

This quality would hold the address of the proprietor. Each employee must provide the address.

Manager:

The manager is a secondary user of the system. The manager can view all the details, manage the seats, booking, solve viewer's problem. The manager has followings attributes.

Manager ID:

This is numeric 14 digits number which is unique to every Manager. Manager ID is the primary key to Manager table in the database.

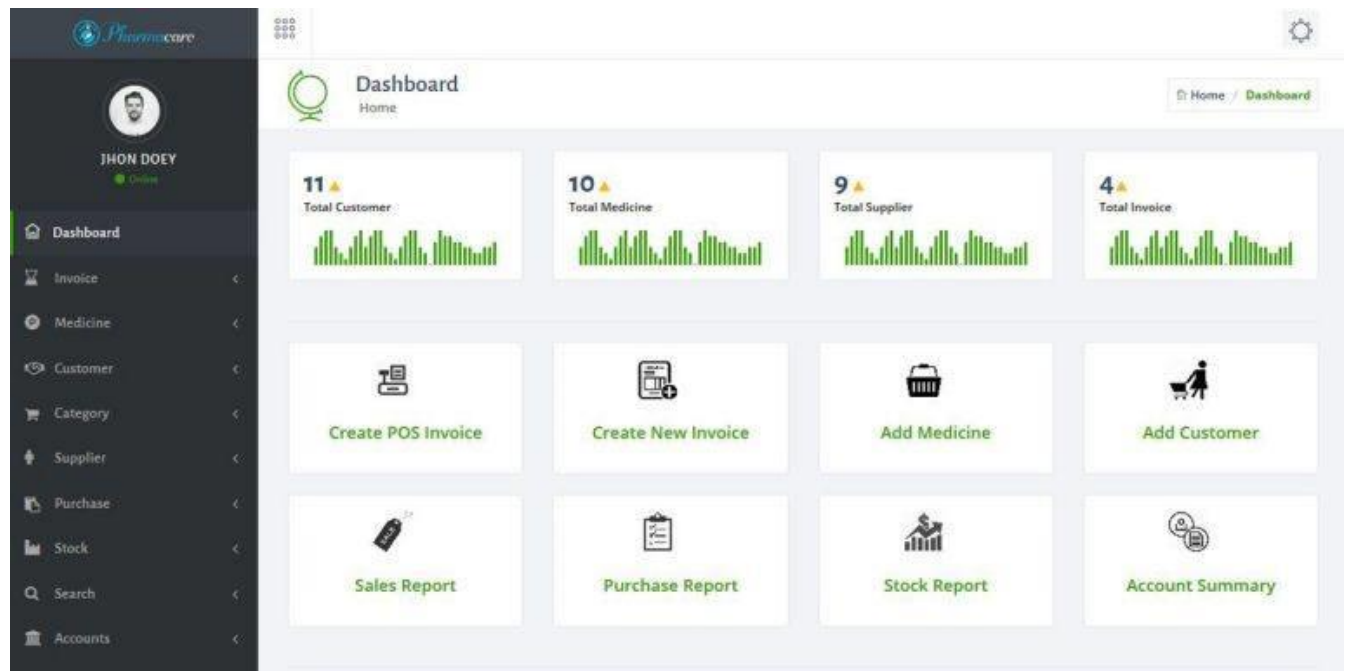
table. Every viewer must have a working email id. This field has validation only email formatted values will be stored.

Address:

This quality would hold the address of spectators. Address of viewers would help us to connect with them and visit the location. This would provide better service.

OUTPUT/RESULT

Dashboard



Add Supplier

The form includes the following fields and buttons:

- Supplier Name *** (Text input)
- Supplier Mobile *** (Text input with dropdown arrow)
- Supplier Address** (Text input)
- Supplier Details** (Text input)
- Save** (Blue button)
- Save And Add Another** (Green button)

Manage Purchase

Manage Purchase
Manage your purchase

Home / Purchase / Manage Purchase

Show 10 entries

Copy CSV Excel PDF Print

Search:

SL	Invoice No	Supplier Name	Purchase Date	Total Ammount	Action
1	1234	Abdullah	11 - APR - 2017	\$ 30000	
2	123	New Supplier	11 - APR - 2017	\$ 15000	
3	5677	Maxiz Sanuka	11 - APR - 2017	\$ 5340000	
4	10099	Maxiz Sanuka	11 - APR - 2017	\$ 934700	
5	45345435	New Supplier	5 - APR - 2017	\$ 8100	
6	626265	New Supplier	5 - APR - 2017	\$ 3450	
7	5632463246326	New Supplier	5 - APR - 2017	\$ 300	
8	3475	Abdullah	30 - MAR - 2017	\$ 180000	

New Medicine

New Medicine
Add new medicine

Home / Medicine / New Medicine

New Medicine

Medicine Name * Generic name

Box size Expire Date

Medicine location Details *

Category Image

Sell Price *	Supplier Price *	Batch No *	Tax %	Supplier *
<input type="text" value="Sell Price"/>	<input type="text" value="Supplier Price"/>	<input type="text" value="Batch No"/>	<input type="text" value="0 %"/>	<input type="text" value="Maxiz Sanuka"/>

Add Purchase

The screenshot shows the 'Add Purchase' form in the Pharmicare application. The left sidebar contains the user profile 'JHON DOEY' and a navigation menu with options: Dashboard, Invoice, Medicine, Customer, Category, Supplier, Purchase (selected), Stock, and Search. The main content area is titled 'Add Purchase' with the subtitle 'Add new purchase'. A breadcrumb trail shows 'Home / Purchase / Add Purchase'. The form includes fields for 'Supplier *' (a dropdown menu with 'Select One' and an 'Add Supplier' link), 'Purchase Date *' (2017-04-12), 'Invoice No *' (Invoice No), and 'Details' (Details). Below these is a table with columns: Item Information, Quantity, Rate, Total, and Action. The table has one row with 'Please Select Supplier' in the first column, 'Quantity' in the second, 'Rate' in the third, '0.00' in the fourth, and a 'Delete' button in the fifth. A 'Grand Total' row shows '0.00'. At the bottom of the table are buttons for 'Add New Item', 'Submit', and 'Submit And Add Another One'.

Add Supplier

The screenshot shows the 'Add Supplier' form in the Pharmicare application. The left sidebar is identical to the previous screenshot, with the 'Supplier' menu item selected. The main content area is titled 'Add Supplier' with the subtitle 'Add New Supplier'. A breadcrumb trail shows 'Home / Supplier / Add Supplier'. The form includes fields for 'Supplier Name *' (Supplier Name), 'Supplier Mobile *' (Supplier Mobile), 'Supplier Address' (Supplier Address), and 'Supplier Details' (Supplier Details). At the bottom of the form are buttons for 'Save' and 'Save And Add Another'.

Today Report

Todays Report
Todays sales and purchase report

Home / Report / **Todays Report**

Todays Sales Report

Show 10 entries | Copy | CSV | Excel | PDF | Print | Search:

Sales Date	Invoice No	Customer Name	Total Amount
No data available in table			
Total Sales			\$ 0

Previous Next

Todays Purchase Report

Show 10 entries | Copy | CSV | Excel | PDF | Print | Search:

Purchase Date	Invoice No	Supplier Name	Total Amount
No data available in table			
Total Purchase			\$ 0

Manage Category

Manage Category
Manage your category

Home / Category / **Manage Category**

Manage Category

Show 10 entries | Copy | CSV | Excel | PDF | Print | Search:

SL.	Category Name	Action
1	Otic anesthetics	
2	Ophthalmic steroids	
3	Antitussives	
4	Nasal steroids	
5	Antacids	
6	Methylxanthines	
7	Amebicides	
8	Allergenicis	

Manage Customer

Pharmacare

JHON DOEY
Online

Dashboard
Invoice
Medicine
Customer
Add Customer
Manage Customer
Credit Customer
Paid Customer
Category
Supplier
Purchase

Manage Customer
Manage your credit customer

Home / Customer / Manage Customer

Show 10 entries

Copy CSV Excel PDF Print

Search:

SL.	Customer Name	Address	Mobile	Balance	Action
1	Modon Lal Box	South Ferri Ghat,Padma River,Chandpur	0912314567	\$ -1000	
2	Walking Customer		235235235	\$ -3300	
3	new customers		43534534	\$ 0	
4	dsfsadfsa		43534534	\$ 0	
5	Casing Orangto	98/A, East Lackx view,West Nkhali	098712562747749	\$ -21543	
6	ssssddddd		345634634	\$ -200	
7	csdfsadfahf		345345345	\$ 0	
8	Pikaso Makisutu	98/A, East Lackx view,West Nkhali	00011112121	\$ -100	

Sales Report

Pharmacare

JHON DOEY
Online

Dashboard
Invoice
Medicine
Customer
Category
Supplier
Purchase
Stock
Search
Accounts

Sales Report
Total Sales Report

Home / Report / Sales Report

Start Date: End Date:

Show 10 entries

Copy CSV Excel PDF Print

Search:

Sales Date	Invoice No	Customer Name	Total Amount
No data available in table			
Total Sales			\$ 0

Previous Next

Manage Language

Pharmocare

JHON DOEY
Online

- Dashboard
- Invoice
- Medicine
- Customer
- Category
- Supplier
- Purchase
- Stock
- Search
- Accounts

Manage Language
Manage your language

Home / Language / **Manage Language**

Add Phrase

Manage Language

Show 10 entries Copy CSV Excel PDF Print Search:

Language Name Save

	Language	
1	English	
2	Bangla	

Previous 1 Next

Profile Report

Pharmocare

JHON DOEY
Online

- Dashboard
- Invoice
- Medicine
- Customer
- Category
- Supplier
- Purchase
- Stock
- Search
- Accounts

Profit Report
Total profit report

Home / Report / **Profit Report**

Start Date: End Date: Search

Profit Report

Show 10 entries Copy CSV Excel PDF Print Search:

Sales Date	Invoice No	Total Ammount	Total Profit
5 - APR - 2017	1000	\$ 200	\$ 50
11 - APR - 2017	1003	\$ 2500	\$ 1000
11 - APR - 2017	1002	\$ 600	\$ 0
11 - APR - 2017	1001	\$ 600	\$ 150
Total Profit			\$ 1200

Previous 1 Next

Conclusion

Pharmacy management system is actually a software which handle the essential data and save the data and actually about the database of a pharmacy and it's management. This software help in effectively management of the pharmaceutical store or shop. It provide the statistics about medicine or drugs which are in stocks which data can also be updated and edited. It works as per the requirement of the user and have options accordingly. It allow user to enter manufacturing as well as the expiry date of medicine placing in stock and for sales transaction. This software also have ability to print the bill and invoices etc. The record of suppliers supplies can also be saved in it. There are other function available too . The main purpose is effectively and easily handling of pharmacy data and it's management.

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