Medical Shop Automation System

Introduction About Projects

Today the world's most forward looking medical Shops are trying to provide more reliable and accurate services in their field, offering services to the customers and employees with all the available choices in their interest. It may be a leading many different medical shops. Every Shop nowadays is trying to computerize its activities to provide better services to its customers. The aim is to automate its existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

This project, "Medical Shop Information System" also a step towards offering more or less the similar features. This system enables to manage and record the activities of whole medical Shop of multi-facility skills only.

Objective Of The Project

The main objectives behind the development of this project are as

follows:

1) To assist the medical shopkeeper and wholesalers in capturing the effort spent on their respective working areas.

2) To keep track of purchased medicines and stock status

3) To provide computerized sale and generate bill for a particular sale.

4) To keep and manage transaction from suppliers.

5) To maintain the payment system for supplier

6) To store the details of medicines category wise.

7) To search a medicine in stock.

8) To generate report of sale between two dates.

9) To generate the reports from various transaction table as per query.

Project Category

“ RDMBS” Category

The proposed system comes under "RDMBS " category, as there is need to store and manipulate a huge amount of data related to medicines, Sale, stock, suppliers, supply of products as per queries. The project is capable to fulfill the requirement of the application area of medical shop.

Input To the Project

Every software system works on its input. The system generates a predetermined output on having the related input .on the basis of output the requires inputs are thought .No system can produce output without having the require input. The MEDICAL SHOP INFORMATION SYSTEM takes its various inputs through its INFORMATION SYSTEM forms. The system takes information about a particular MEDICINE through the module Add New Medicine and uses some of these information in sale and stock module.The system takes information about employee through the module Add New Employee which keeps information about new added employee.This information is also used in salary module to get the name and salary.System take information about employees in the shop with their id, name address and salary .These information are used input to the system through the form Add New Employee.

Output of the Project

The software system are propose to generate some specific output for the Specific organization .The system MEDICAL SHOP INFORMATION SYSTEM is design to serve the specific purpose of shop .In various module the output of one module become input to another module .The output of generated in the form tabular report for the management purpose. The report of transaction is generated from sale module. Another report is generated from the salary table. This also tabular report to see status of salary paid employee in shop. Another report is generated from the table also use the list view feature of visual basic to display the information related table in a particular module .List view is a graphical control which is used to propagated information from a table desired query from the display them in tabular form.

Analysis

Modules And Their Description:

[A]. Add new Medicine module

This module is to be used by Shopkeeper. Basically used for Add new medicines available in market disrupted by the doctors and to be enlist the number of medicine. In this module functions related to items are done. For ex. Addition of new item, deletion and modification of existing item, generation of item list etc. Purchasing of items from the supplier by giving them order.

[B]. Sale Module

This module deals with the sale of medicines for the desired customers and generating various reports such as Sale Repot, Stock Report, etc.

[C]. Stock module

This module deals with the entry of the medicines which is taken by the particular supplier. This module is used to bring new medicine including the information of medicine such as price, quantity, profit percent, etc.

[D]. Security module

This module handles the security features of software. It checks for unauthorized logins/accesses, unauthorized deletion/editing of records, defining the access permissions to users, etc.

[E]. Supplier module

In this module functions related to supplier are done. For ex. Addition of new supplier, deletion and modification of existing supplier, generation of supplier list etc. This module handles the database of all suppliers with their full details such as their name, address, contact numbers, etc.

[F]. Supplier Payment module

This module provides the facility of creating or modifying the payment of suppliers which are supplied us your products (medicines). Existing works dynamically. This is very powerful feature of this application as it lets the application work beyond the limited number suppliers available. This is why this software is not static rather dynamic as far number of available suppliers are concerned.

[G]. Worker module

This module generates the worker information and keep tracks of the total information about new employee which is come to the shop such as name, address, job type, salary. These information are used in salary form to pay them salary.

[H]. Salary module

This module handles the process of salary given to workers, which comes to the worker module on the basis of their jobs.

[I]. Report module

This module handles the process of all types of report generation for e.g. Bill generation, list of suppliers, list of products etc. These reports are very beneficial for both management and the customer. Bills are generated for the customers.

Data Structures

The Proposed System includes following tables:

1) Medicine

2) Sale

3) Stock

4) Supplier

5) Supplier pay

6) Worker

7) Salary

8) Supply

Table - Medicine

Stores the medicines related information at the time of entry.

Structure of the table:-

Field Name	Data Type	Description
Medi Cat	VarChar	Category Of Medicine
Medi Name	VarChar	Unique name of medicine
Price_Unit	Float	Price Of the Medicine
Profit_per	Int	Profit Percentage On Medicine

Table - Sale

Stores the information of sold medicines to the customer.

Structure of the table

Field Name	Data Type	Description
Order Number	Int	Number of the order which is givien by the user
Order Date	Datetime	Date of the order
Medi Cat	Varchar	Category of the Medicine
Medi Name	Varchar	Name Of the Medicine
Quantity	Int	Quantity of the medicine
Price	Float	Price of the Particular Medicine
Amount	Float	Total amount after calculation

Table - Stock

Stores information of the medicines purchased by the shopkeeper**.**

Structure of the table

Field Name	Data Type	Description
Medi cat	Varchar	Category of Medicine
Medi Name	Varchar	Name of the Medicine
Batch no.	Varchar	Batch Number of the medicine
Mfd date	Datetime	Manufacturing date of medicine
Exp date	Datetime	Expiry date of the medicine
Quantity	Float	Quantity of the medicine
Price	Float	Price of the particular Medicine
Profit	Int	Profit percentage at medicine
Supply date	Datetime	Supply date of the Product

Table - supplier

Stores all the suppliers' information.

Structure of the table

Field Name	Data Type	Description
S id	Int	Supplier Identity
S name	Char	Supplier Name
Address	Varchar	Address of the Supplier
City	Char	City name

Phone	Int	Phone Number Of the Supplier

Table - suplier_pay

Stores full details about suppliers' payment information.

Structure of the table

Field Name	Data Type	Description
S id	Int	Id of the supplier
S name	Char	Name of the Supplier
Medicine	Varchar	Name of the medicine
Quantity	Int	Quantity of the medicine
Price	Float	Price of the medicine
Amount	Float	Total Amount
Supply date	Datetime	Date of supply Products
Pay date	Datetime	Date of Paid Amount Supplier