

ONLINE PHARMACY SYSTEM

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Abstract—This Project entitled as “Online Pharmacy System” is developed with the purpose of computerizing the activities involved in the Medical Shop. This project is developed by using, Front end as Microsoft Visual Studio ASP .NET 2008 and back end as Microsoft SQL Server 2005. Online Pharmacy shop management system is the custodian of consumable goods. The main aim of this project is to develop a package for Medical shop that gives Stock details, Item details, Purchase details and Sales details, etc. The modules of Online Pharmacy management system are, Admin / Customer Login, Registration Details, Supplier Details, Medicine Details, Order Details, Purchase Details, Sales Details, Stock Details. By computerizing Online Pharmacy Management System customers can be served easily and it meet the current requirements of the Customer. With the above features the system provides a user friendly environment and helps to handle the problem intact. This project Intends different types of forms with different of medicine varieties provides to users. The customer wants any medicine then they are order to the medicine via online by using E-mail. The main objective for developing this project is to convert the manual system of the Medical Shop into the computerized system, by which an end user will able to manage the medical records very well and accurate.

Keywords— Online Pharmacy, Medicine Details, Medical Shop, Computerized system.

I. INTRODUCTION

The project entitled as “Online Pharmacy System” has been developed as per the project requirements extended by the Medical shop. The software developed under highly effective designing and tool and reports.

1) Login Details:

This module describes the details about the login details of the admin. So this module gives security to the project and unauthorized person cannot access the project.

2) Customer Details:

This module contains the useful information about the customer. Customers are the buyers of the product. These modules include details such as customer code, customer name, address1, address2, city, and phone.

3) Supplier Details:

This module contains the useful information about the suppliers. Suppliers are the sellers. This module contains details about the Supplier name, address1, address 2, city, phone, supply type.

4) Medicine Details:

This module contains the useful information about the product .The Product details are prod code, batch no, quantity and expiry date.

5) Purchase Details:

This module describes details about the purchase. Purchase details are supplier code, supplier bill no, date and net amount.

6) Sales Details:

This module describes the complete details about the sales details of the medical shop management system such as company no, customer no, item no, item name, product name, amount, date of sales, etc,

7) Stock Details:

This module describes the complete details about the stock details of the medical shop management system such as bill no, bill date, prod code, batch no, return date, quantity sold and quantity returned.

The Project computerizes the entire activities involved in sales and marketing of a Medicines. The Product details contain the details about each and every type of Medicines that the company possesses. Various reports like date wise customer wise transaction report, supplier wise order report,

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product wise report, purchase and sales reports are generated.

8) Objectives of the Project:

The propose system aims to remove most of the drawbacks found extensively in the existing system. It can be thought of as easy maintenance, faster report generation accurate and timely information retrieval about Stock, Sales and so on.

1. Faster compared to the existing system
2. Comparatively less error prone
3. Secure and authorization can be set.
4. Addition, deletion and modification are easily made.
5. Menu driven
6. Portable
7. Easily accessing the information
8. Response time that is accessing the database information provided by the system is good.

II. SYSTEM DEVELOPMENT

A) Existing System:

Most of the dealers to day maintain the details of the customer, the sales of the product by manuals recording system. This manual recording system involves lot of time and paper work for each and every detail the dealer has to maintain a separate ledgers books. The total project is maintained by the details of the item master and customer master. The process of the project is running from the purchase of the product till the product is and delivered to the customer. The details regarding the staff that has repaired its product and delivery details are to be maintained. Further cash is being charged for the product. Customer can make prompt payment and deliver the product. The reports are maintained by the daily reports, week wise reports, month wise reports, at all moment.

- Complete and accurate information about all the transactions held in Medical Stores, is not available in time.
- We can't expect the accuracy and correctness in the Manual System.
- Various items & transaction reports is not possible.

- Data will not be handled quickly, efficiently and accurately.
- This process requires lot of paper work in use at any one time.
- Better communication is not possible with customer.
- Delay in Preparation of daily activity details.

The above process is not feasible in time and effective by the Employee and the management. Complete details of transactions are not available in a short duration of time to the management. Hence there is a need for a new system which performs this task in an efficient manner.

Drawbacks of the Existing System:

There are several disadvantages and following are the drawbacks that are caused by the existing system

- The existing system was manual and is very tedious to maintain and take reports since all the data were stored in papers.
- High manpower is required.
- More time is needed.

B) Proposed System:

Proposed system is aimed at removing the drawbacks of the existing system. In order to overcome the difficulties of the existing system, we go for computerization of the existing system. "Online Pharmacy System" involves of vast data. Those data may have to be used in the future for references. The management of such vast data manually is very difficult. The computerization of the manual management system provides a majority of advantages. Purchase details of the project records the various transactions involved in purchase of a computer. Sales details of each computer in the concern are also recorded. The Project also maintains the details about the suppliers of the company and the customer details. Various reports like date wise customer wise transaction report, supplier wise order report, product wise report, purchase and sales reports are generated.

Features of the Proposed System:

The main objective of the proposed system is to reduce man power and time conception. It is more users friendly, fast, efficient, and accurate.

The proposed system is a computer-based system, which has the following advantages:

- User friendly
- Reduce paper work.
- Immediate accessing of data.
- Provide accurate information.
- Easy to use, efficient and economically good.
- It is easy to prepare weekly or monthly reports.
- Reduce search problems.

III. TESTING METHODS

1)Unit Testing:

Unit testing focuses on the verification efforts on the smallest unit of software design, the module. This is also known as “Module testing”. The modules are tested separately. This testing is carried out during programming stage itself. In this testing each module is found to be working satisfactory is regard to the expected output from the module. Unit testing changes mode in an existing or new program this test is carries out during the programming and such module is found to be working satisfactory.

2)Validation Testing:

Here in the validation testing we want to check whether the given conditions to the textbox are working correctly. Because in the age field we should enter the integer values we should not write the characters. Here while on runtime we entered numeric values in the string specified columns. It raises error .We get a solution by the way of checking the integrity of the data through conditions. The software validation through a service of test that demonstrates conformity with requirements thus the proposed system under consideration has been tested by validation and found to be working satisfactorily for example in this project validation testing is implemented in all the forms to avoid invalid inputs.

3)Integration Testing:

Integration testing is a systematic testing for constructing the program structure, while at the same time conducting the tests to uncover the errors associated with in the interface, the objective is to take unit tested modules and build a program structure. Modules are combined and tested as a whole. Here correction is difficult because the cast experience of the entire program complicate the isolation cases. An integration testing is carried out using integrated test plans in the design phase of the development as guide to ensure behavior of functions with to live data.

4)Security Testing:

Security testing attempts to verify that protection mechanism built into a system will in fact project in form improper penetration the tester many attempt to acquire passwords through external clerical means may attack the system with computer software designed to break down any defense that have been constructed. Here illegal access to enquiry table or change in the database cannot be done. Only persons with user ID & password can enter the enquiry.

IV. SYSTEM IMPLEMENTATION

System implementation is the stage of the project that the theoretical design is turned into a working system. If the implementation stage is not properly planned and controlled, it can cause error. Thus it can be considered to be the most crucial stage in achieving a successful new system and in giving the user confidence that the new system will work and be effective. Normally this stage involves setting up a coordinating committee, which will act as a sounding board for ideas; complaints and problem. The first task is implementation planning; i.e., deciding on the methods and time scale to be adopted. Apart from planning two major task of preparing for implementation are, education takes place much earlier in the project; at the implementation stage the emphasis must be on training in new skills to give staff confidence they can use the system. Once staff has been trained, the

system can be tested. After the implementation phase is completed and the user staff is adjusted to the changes created by the candidate system, evaluation and maintenance is to bring the new system to standards. The activities of the implementation phase can be summarized as,

1. Implementation planning
2. Education planning
3. System planning

V. EXPERIMENTAL RESULTS

Registration Form



Sign In



Supplier Details



Medicine Details



Stock Details



Purchase Details



Sales Details



VI. CONCLUSION

The project entitled “Online Pharmacy System” was completed successfully. The system has been developed with much care and free of errors and at the same time it is efficient and less time consuming. The purpose of this project was to Customers to order and view the medicine details all are via online. This project helped as in gaining valuable information and practical knowledge on several topics like designing web pages using Asp.Net and management of database using SQL Server. The entire system is secured.

SCOPE FOR FUTURE ENHANCEMENT

Also the project helped us understanding the development phases. I learned how to test the different features of the project. This system found to be satisfactorily running under the real environment. The system is well developed and satisfying all the requirements of the user with best performance. To conclude this project, it is truly innovative and effective to manage all the activities. There is a scope for further development in our project to a great extend. A number of features can be added to this system in future like updating Medicine details and New Supplier details of this system can access this information easily by logging in to this website. The already registered users can access this page to login page straightly. These features could have implemented unless the time did not limited us.

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