

Sales and inventory system of a pharmacy



Technology has taken a big leap forward in 21st century, with computer programs, electronics upgrading by the month & even by the day.

Technology has influenced & greatly simplified almost in every aspect of a person's life today. It is amazing what technology has done to the society and how people become dependent on it. Having computers in the workplace has enable the business to be more efficiently and has contributed in having on all around better businesses, using computers cut down the work time, the person in charge don't have to write everything out by hands or type out on typewriters.

This increase in usage of computer proves that computers have affected every aspect of many people and have become one of the necessities.

Traditionally, organizations in the country communicate and share information in a manual manner. Pharmaceutical establishments use various paper materials and pens to process the sales and inventory. In this new era, there are establishments using automated transaction such as sales and inventory systems while other still depend on the manual procedures like Maureen Edisel Pharmacy. It is owned by Ms. Maureen Edisel C.

Igmen, it was established on April 28, 2007. And it is located at Avenida Veteranos St. Tacloban City. The researchers observed that the current aforementioned system allocates a lot of time and effort in generating receipts and keeping track of their sales and inventory. The researcher's planned to develop a Computerized Sales and Inventory System to solve the problems in the said establishment. The main goal of the study is to provide and implement better and accurate sales and inventory system that can handle a certain task in a much more time saving and fluent operation.

Through this Sales and Inventory System the employee in-charge will have a less stressing and will only require them to maintain the stability of the flow of the system. Statement of the Problem The Computerized Sales and Inventory System is exclusively designed for Maureen Edisel Pharmacy. It aims to answer the following:

1. What are the common problems encountered in the current Sales and Inventory of Maureen Edisel Pharmacy.
2. What system may be proposed to improve the current Sales and Inventory of Maureen Edisel Pharmacy?
3. What are the assessment of the respondents on the developed Computerized Sales and Inventory System of Maureen Edisel Pharmacy in terms of: Contents, Usefulness? Theoretical Framework According to Mike Lance Richards “ Information Processing Theory, this concept of information processing states that this theory is primarily concern with the study of memory and on the evaluation of information”. Like computer the human mind takes in information and performs operation when needed and retrieval.

Having accurate information in conducting the study it will help in the process evaluation primary concern. According to Jean Piaget “ Constructivism Theory knowledge is not about the world but rather constitutive of the world”. Knowledge is not a fixed about the individual through his practice of the object constructs it. A person who has the exact knowledge of a certain activity is so much important. When people work

collaboratively in an authentic activity they bring their own framework and perspective to the activity.

They can see the problems from different perspective and are able to negotiate and generate meaning and solution through shared understanding. According to Charles M. Reigeluth" Elaboration Theory of Instruction deals with the macro level of instruction. " It is primarily concerned with the sequencing of ideas as opposed to the individual ideas themselves and examples relating to them. The sequencing of ideas relates to fundamental and representational ideas or core principles.

This theory serves as foundation from which more specific maybe developed.

1 The three theories which are the Information Processing, Constructivism and Elaboration Theories, was used by the researcher as basis for their study. First, the Information Processing Theory helps gather accurate information in order to perform their operations. While Constructivism Theory, researchers, works collaboratively in an authentic activity from different perspective that enables them to generate meaning and solution through their shared understanding;

In Elaboration Theory, this serves as their foundation in sequencing of ideas that may be developed a more specific and in analyzing of a specific program. 1 Conceptual Framework The basis for conceptualizing the Computerized Sales and Inventory System of Maureen Edisel Pharmacy which is proposed by the researchers is that it can help visualize the path that the aforementioned system would be heading to. The researchers used

the paradigm shown below which consist of the inputs needed, the process that would take place, and the proposed output of the project.

Inventory System of Maureen Edisel Pharmacy To make a Computerized Sales and Inventory System there are requirements needed to attain its goals. The researchers gathered data from establishment problem encountered, downloaded some information from the internet, books, vision and mission which should be processed by conducting researches, questionnaires, interview, observation, analysis, programming, testing, debugging and it will help develop the system and the result will now be the Computerized Sales and Inventory System of Maureen Edisel Pharmacy.

The system aims to produce a comfortable approach to sales and inventory where the management and the employees in charge in Maureen Edisel Pharmacy will be less stressing and will only require them to maintain the stability of the flow of the system. Significance of the Study The significance of the study is to automate the Sales and Inventory System of Maureen Edisel Pharmacy in which the management, employees and customers will have a more comfortable time. The work of the management and the employees in charge in Maureen Edisel Pharmacy will be less stressing and will only require them to maintain the constancy of the flow of the system.

The management will no longer have a hard time keeping and searching the files. The employee and the management of the establishment will be greatly benefitted with this computerized sales and inventory system because they will no longer need to manually compute in every transaction to the customers and for the sales and inventory of the establishment. The

employee have to do is to input the Brand name, quantity and its price and it will automatically send to the servers computer to compute and to generate a receipt. With this method, it is surely free from stress and truly comfortable.

It's very convenient than having it manually and it takes less effort and time in management, both in the employee's and customers' side. The researchers are benefited in this study as well mainly for having to develop employability skills, implement a career plan, and hone each skills and participant in career pathway in preparation for the researchers' career in the industry. Scope and Delimitation of the Study The proposed study is about the development of a Computerized Sales and Inventory System of Maureen Edisel Pharmacy.

The proposed system has the capability to track, monitor and gives an alert before a certain product expires. A search index is also added for the users to easily track items from the stockroom that needs to be replenished which includes the availability, description and price of the item. Login account for different users will be created for database security purpose. The users that can access the system are the Operation Manager, Accounting Manager, Store Manager, Logistic Manager and the Accounting clerk.

The system will have a database that includes adding of new product, modifying and deleting existing product and suppliers. The system will compute for mark-up prices. The system can also provide a hard copy of daily, monthly, yearly reports or even generate a receipt for the customers.

2 The focus of the developer's research is to know the current Sales and

Inventory system of Maureen Edisel Pharmacy discover easier ways to improve the current system and develop a computerized version of it to lessen the burden of work of both management and the employees.

Definition of Terms For the better understanding of the study following terms are operationally and conceptually defined: Inventory: Means a list compiled for some formal purpose, such as the details of an estate going to probate, or the contents of a house let furnished. Pharmaceutical: Means connected with the industrial production medicine. Process / Transaction: These are step-by-step procedure. Records: It can be accessed as collection units of eliminates or the elements that can be accessed individually.

Sales and Inventory System: It used to sell merchandise and the other used to track it; modern point-of-sale systems incorporate computerized access to the inventory control system, allowing for real-time updating. Schematic Diagram: Represent the elements of a system using abstract, graphic symbols rather than realistic pictures. System: Any collection of component elements that work together as a whole. Theoretical: Dealing with theory or speculation rather than practical applications. Operation Manager: Is the one who is concerned with overseeing, designing, and redesigning business operations in the production of goods and/or services.

Accounting Manager: is a person in a business who is responsible for the management of the sales and relationship with particular customers. Store Manager: is the person ultimately responsible for the day-to-day operations of a retail store. Logistic Manager: is the one who manage the flow of goods between the point of origin and the point of destination in order to meet the

requirements of customers or corporations. Accounting clerk: is a financial record keeper who uses specialized ledgers and software to record and process expenditures, receipts, payroll and all other financial transactions for a business or organization.