Title: **Pharmacy Management System**

Problem Statement:

The current Pharmacy system was a manually based system in which almost all works on the pharmacy organization is accomplished by papers. Among this is medicine data to search in,order to,buy, audit, and other related works are done. And the other one is data security, the data can be accessed by anyone who entered the pharmacy house as friends, other Humans without the volunteer of the pharmacist. The pharmacists work in tedious situations because of the reasons mentioned above. Not efficient in arranging medicine on the shelf meaning the arrangement method is difficult to take in mind. In the current system almost all pharmacies do not use computerized systems but use computers for giving bills only for the sold medicine to the user. And use manual searching of medicine on shelf because of the manual based system and there is nothing which gives alarm for the finished or sold medicine. Also there is a difficulty in storing the data which wastes resources as well as time to retrieve the necessary data from the manually based data system. So generally the current system does not arrange medicine in a systematic way, does not store the medicine appropriate data, security for the data is low, does not indicate how much medicine is needed and sold quickly and efficiently.

The system handles all aspects of the inventory control function. It allows the pharmacist to receive new batches of drugs, delete obsolete drugs and modify the current dosage and identification of drugs in the database. Furthermore, the system eases the process of stock replenishment. With the proposed system, the pharmacist will be able to monitor the movement of the drugs with ease. The system is designed to track the entry of refresh batches of drugs, be it upon orders from manufacture or loan from the hospital/clinics. It also monitors the drug's movement history, thus leads to better inventory management of money allocated for the purchase of drugs. Compared to the current manual system, the implementation of the Pharmacy management system will reduce the time spent for paperwork, leading to concentration on improving pharmaceutical care of patients, especially emphasis on patients' counseling and patient medication monitoring. It will be greatly embraced by the pharmacy profession as it is one giant leap towards pharmaceutical care of patients.

Entity	Attributes	Datatype	Remarks
Customer	customer_id customer_name phone email address	int string long string string	Primary key
Medicine	medicine_id medicine_name price quantity manufacturer_id expiry_date	int string int int int DateTime	Primary key Foreign Key
Manufacturer	manufacturer_id manufacturer_name address	int string string	Primary key
Orders	order_id customer_id manufacturer_id status medicine_id dateoforder dateofarrival quantity	int int int string int DateTime DateTime int	Primary Key Foreign Key Foreign Key Foreign Key