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Subject: Computer Science (4th Semester)

Dated: 27/05/2023

Instructor Name: Sir Nasrullah Nasar

College Name: Govt. Graduate College Jhang

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Subject: (Proposal for Pharmacy Database Project in SQL)

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing to propose a project idea for my database management course, which involves developing an intermediate level Pharmacy Database System using SQL (Structured Query Language). I believe that this project will help me to apply the theoretical concepts that we have learned in class to a practical scenario.

Project Objective:

The objective of this project is to design and implement a strong intermediate level database system for a pharmacy, enabling efficient management of medication inventory, sales, and customer information and others. The database will simplify various processes within a pharmacy, including inventory tracking, patient's details, pharmacist details, and sales reporting.

Project Scope:

The scope of the project will cover the following functionalities:

1. Medication Inventory Management:

- Track medication details such as name, brand, quantity, expiry date.
- Add new items, update existing ones, and remove items.

2. Prescription Management:

- Store patient information, including name, and contact details.

3. Sales and Invoicing:

- Record Daily total sales, including medication details, quantities, and prices.

4. User Authentication and Access Control:

- Implement a secure login system for authorized pharmacy staff.

Upon completion of this project following deliverables will be provided:

- ERD(Entity Relationship Diagram)
- Table Structures
- SQL Script for creating Tables

I am confident that undertaking this project will not only enhance my understanding of SQL and database management but also provide me with valuable hands-on experience in designing real-world database systems. Thank you for considering my proposal and sir if you have any queries related to this proposal please contact me.

Yours sincerely,

Mohammad Saud