DATABASE SYSTEM 1

HOSPITAL SYSTEM

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1. INTRODUCTION

The Hospital Management System is a comprehensive database system project that aims to streamline and optimize the management of doctors, patients, and diagnosis information within a healthcare facility. This project is designed to enhance the efficiency, accuracy, and accessibility of storing, retrieving, and analyzing data related to medical professionals, patients, and their diagnoses.

Technologies Used:
The project utilizes the following technologies to achieve its objectives:

1. Relational Database Management System (RDBMS): The system employs an RDBMS such as SQL to store and manage the hospital's data efficiently. The relational model ensures data integrity, consistency, and flexibility in managing complex relationships between doctors, patients, and diagnoses.
2. SQL: Structured Query Language (SQL) is used to define the database schema, perform data manipulation, and execute complex queries for retrieving and analyzing data. SQL provides a standardized and efficient way to interact with the database.
3. Programming Language: The project is developed using a programming language such as Python or Java to implement the user interface, business logic, and database interactions. This enables the creation of a user-friendly interface and seamless integration with the database.

Conclusion:

The Hospital Management System Database System project aims to revolutionize the way hospitals manage their operations and patient information. By leveraging a well-designed database schema and utilizing SQL, the system enhances efficiency, accuracy, and accessibility in managing doctors, patients, and diagnosis information. This ultimately improves patient care, streamlines administrative processes, and supports evidence-based decision-making within the healthcare facility.

1. Maintain Basic Data

- **Doctor** (Docid(pk) , DocName , Docgen , Experience , Licensce)
- **Patient** (PId(pk) , PName , PAddress , PAge , PPhone , pGen , BloodGroup , MajorDisease , DocId)
- **Diagnosis** (Did(pk) , PatientId , PatientName , Symptoms , DiagnosticTest , Medicines , DocId)

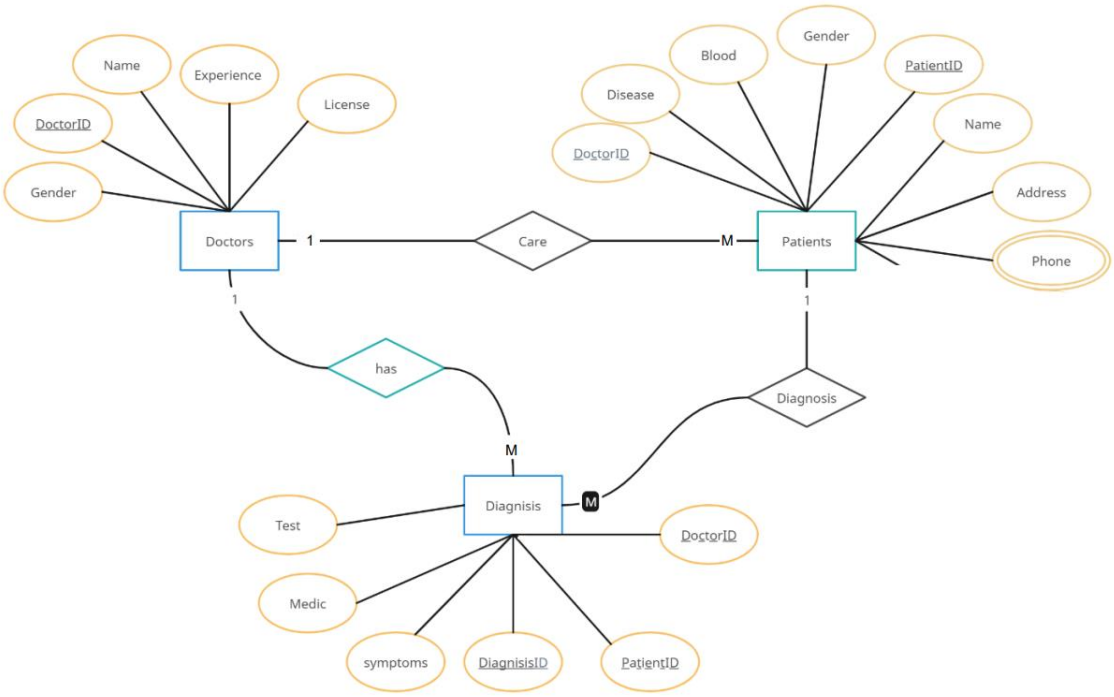
2. Issue query subSystems

- Search by Patient ID
- Search by Doctor ID
- Search by Diagnosis ID

3. Perform Transactions

- Add, delete, and update (all entities).

4. Entity Relationship Diagram



5. Mapping

Doctor:

DocId	DocName	License	Experience

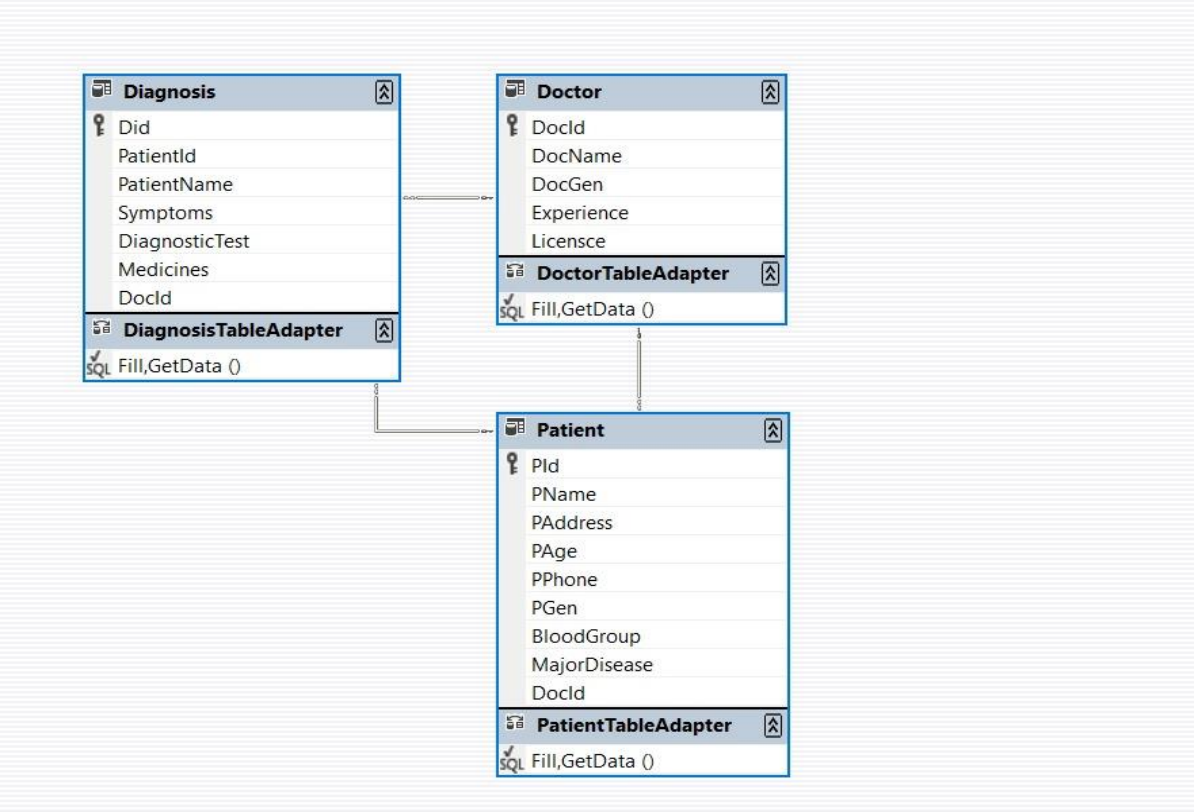
Patient:

PatientId	PName	Age	Phone	DocId	Address	Gender	Blood	Disease

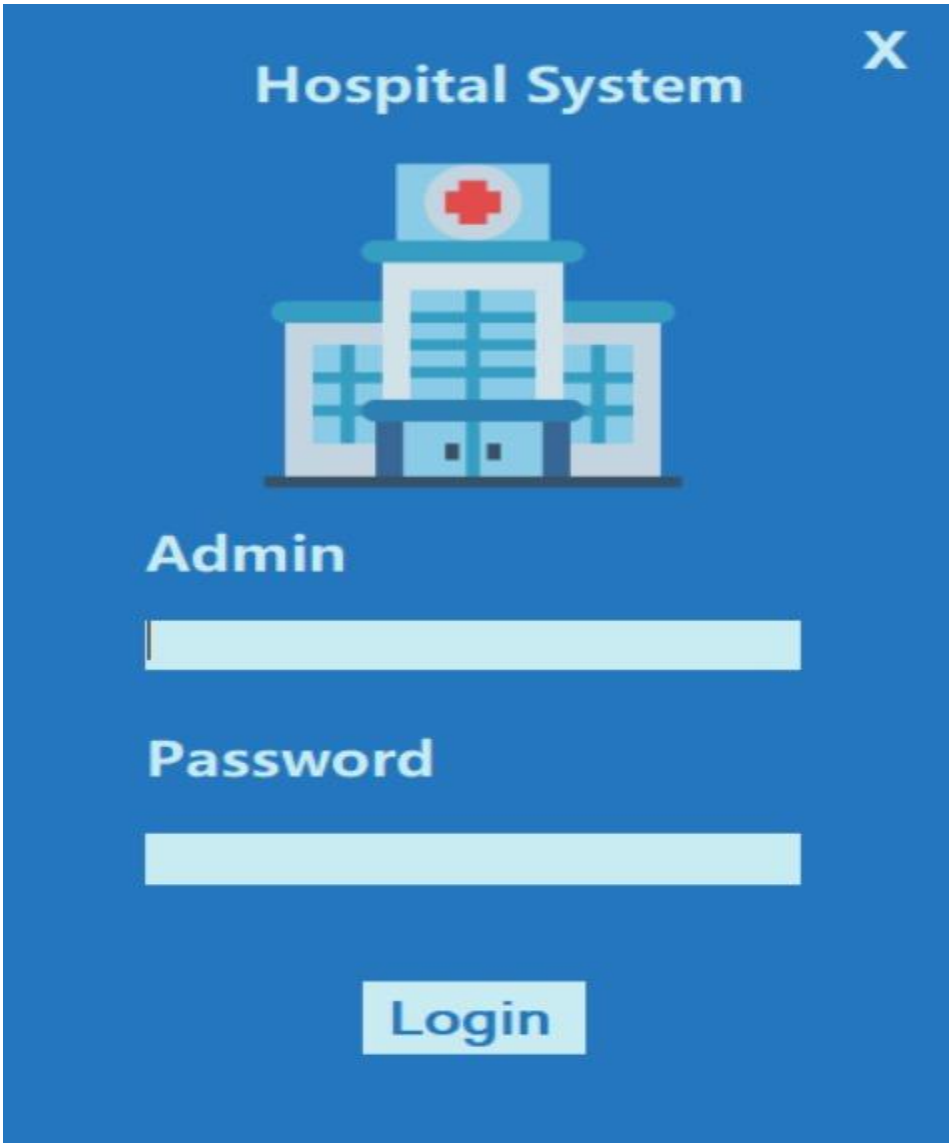
Diagnosis:

DiagnosisId	DocId	PatientId	Symptoms	Test	Medic

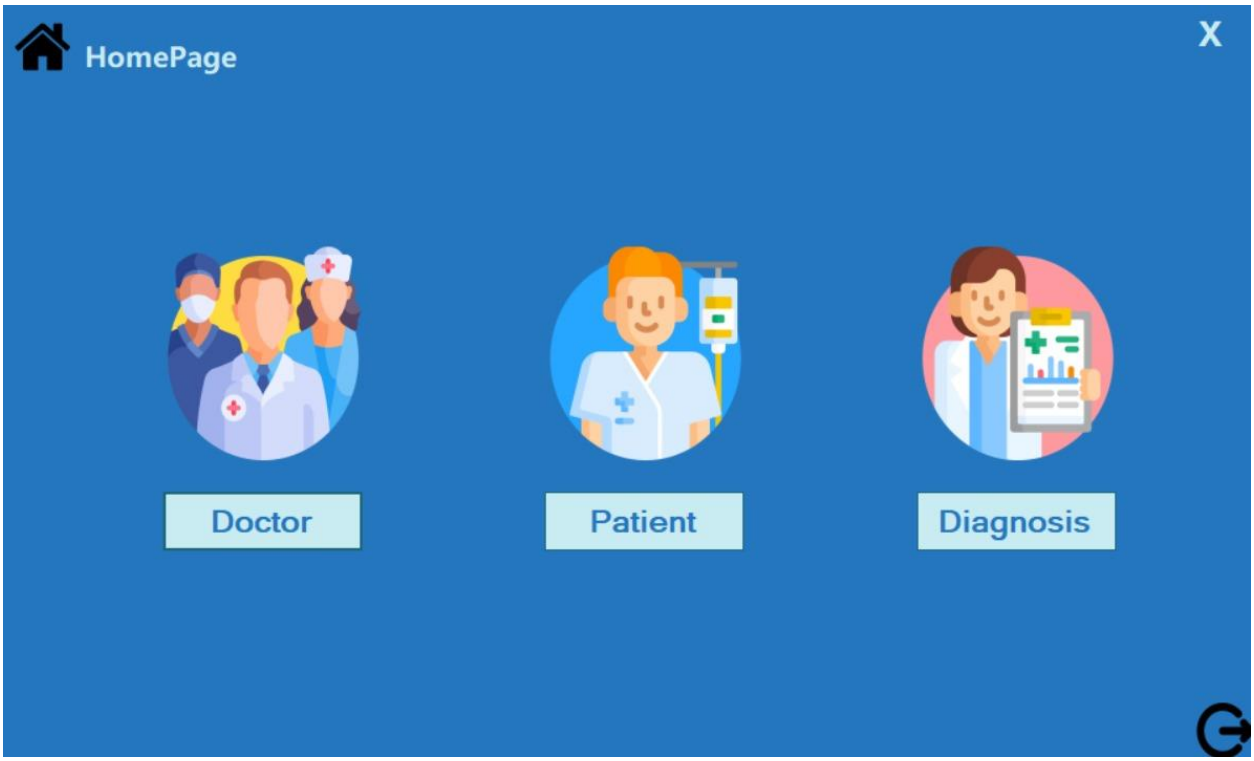
6. Database Relationships and Tables with Sample Data



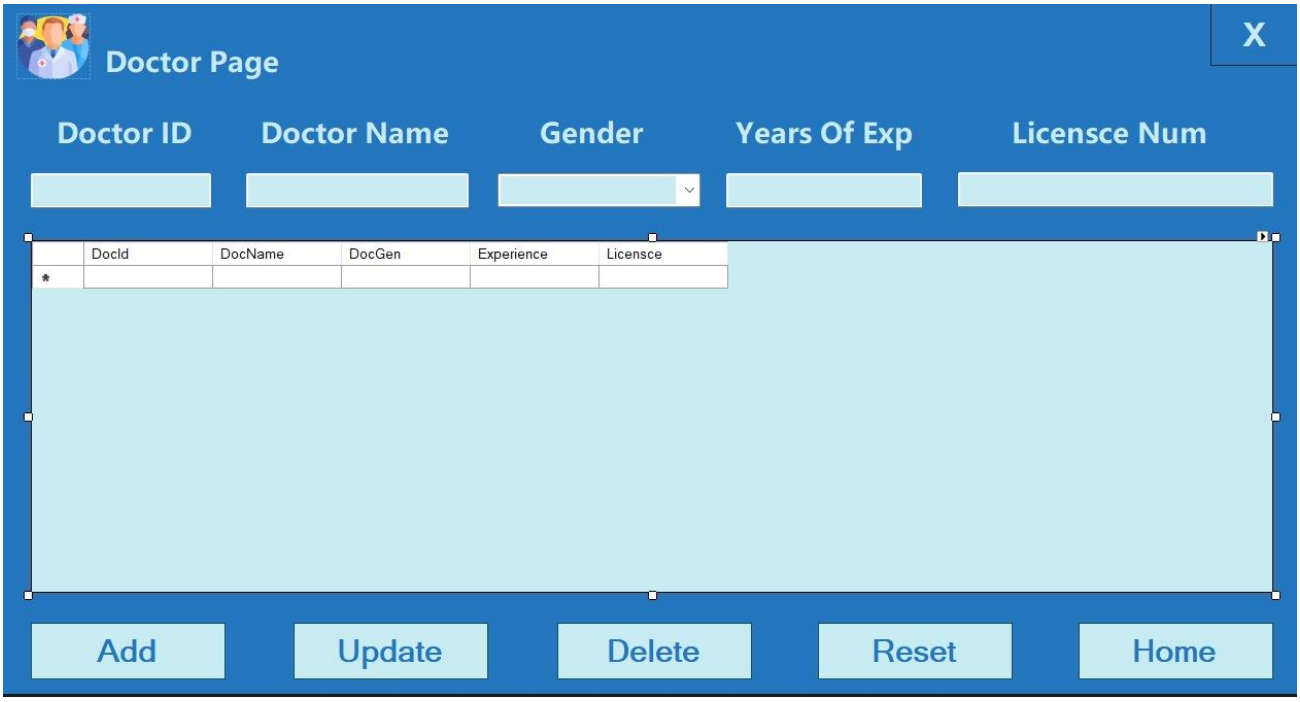
7. Input and Output interface



Login Page for authenticate 1

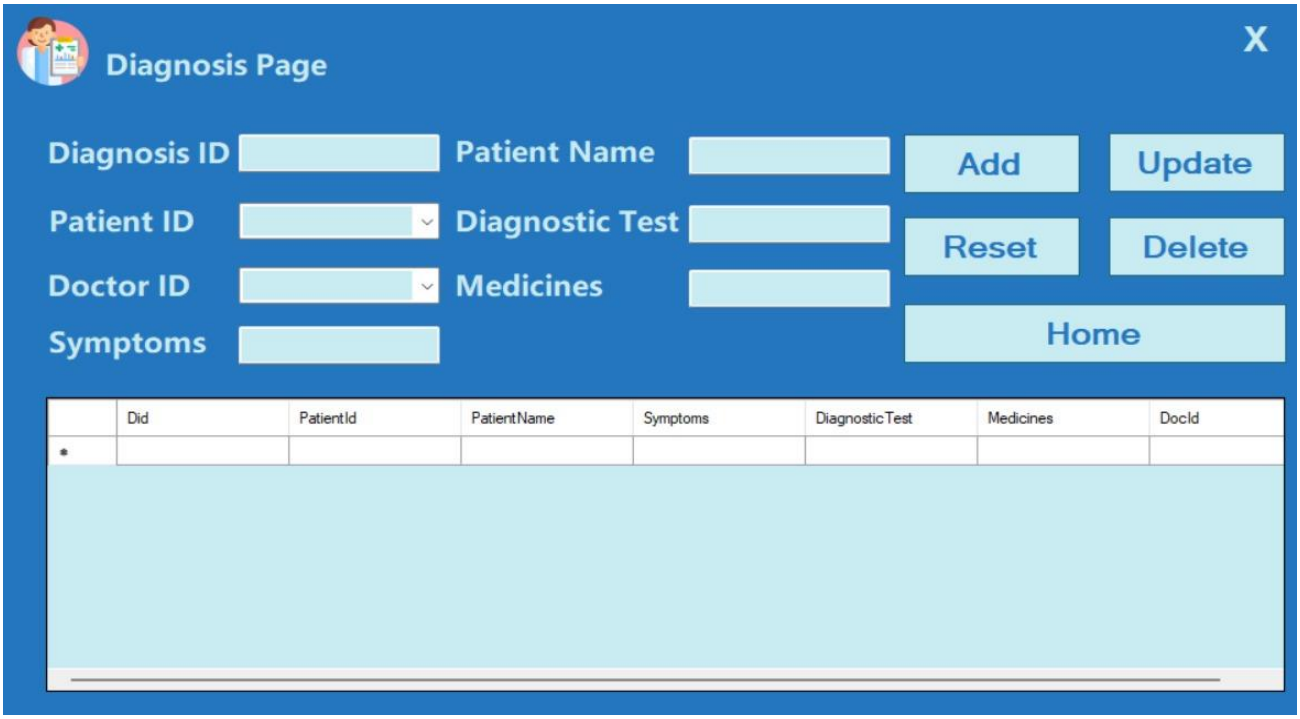


Home Page for Transaction between Pages 1



Doctor Page for registration of doctors 1

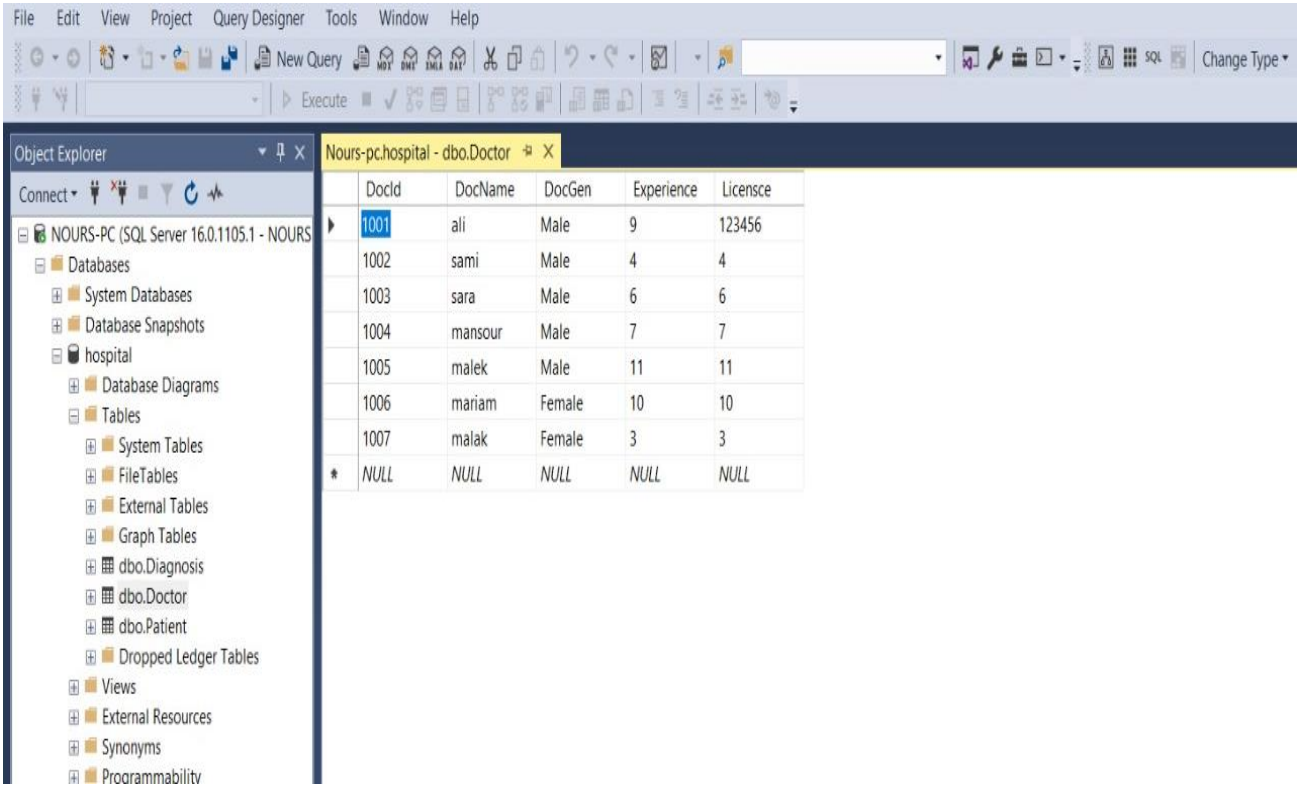
Patient Page for registration of patient 1



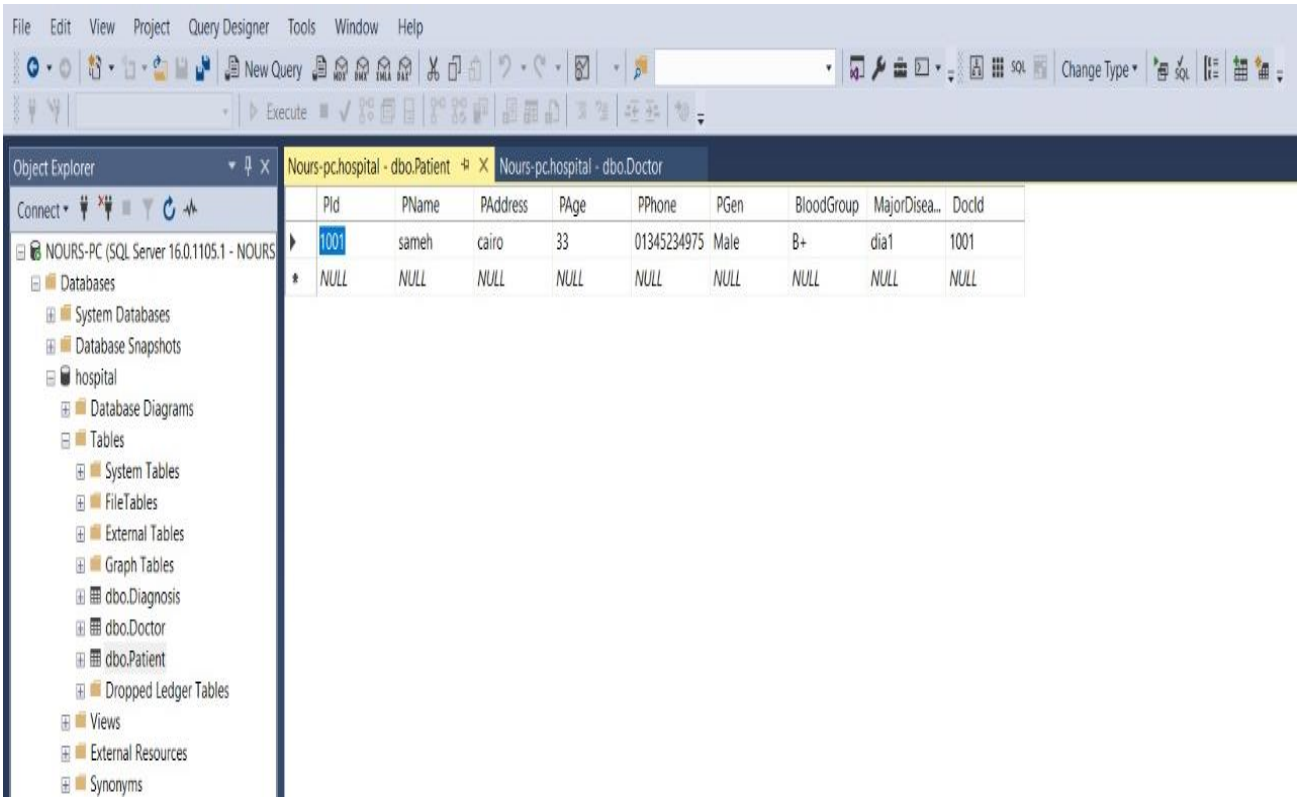
Diagnosis Page for Diagnosis register 1

Action Bottoms 1

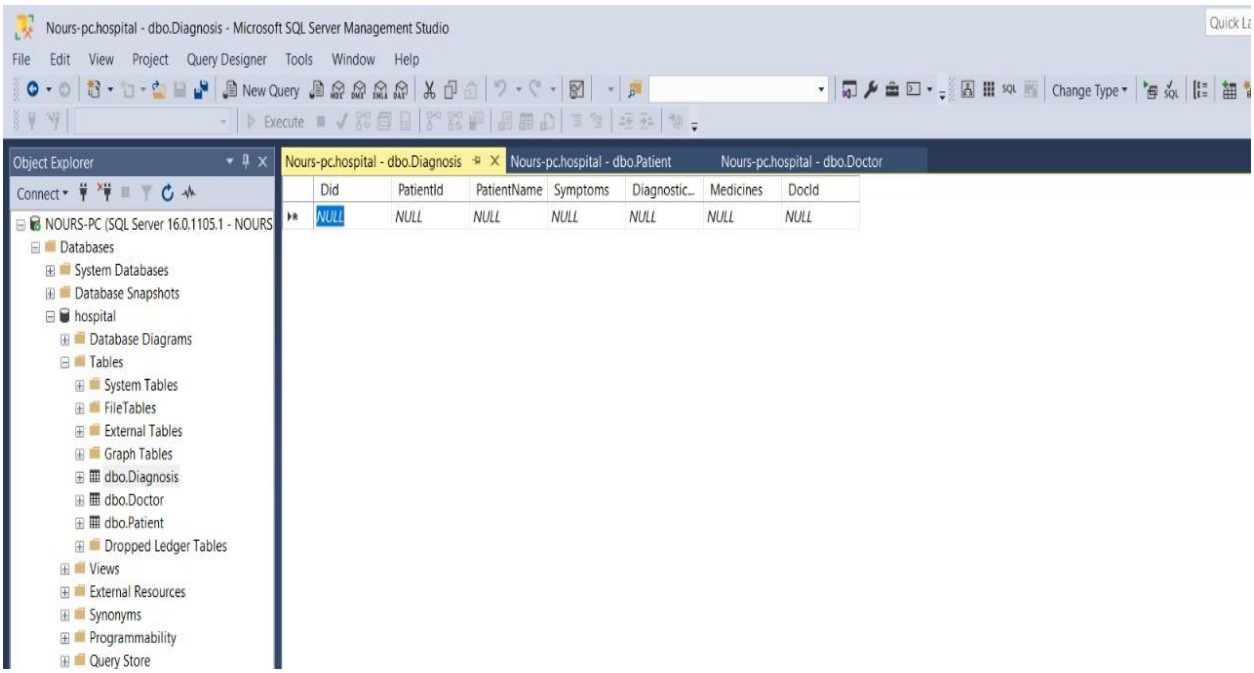
8. Queries



Doctors Tables in SQL server 1



Patient Table in SQL server 1



Diagnosis Table in SQL server 1 1