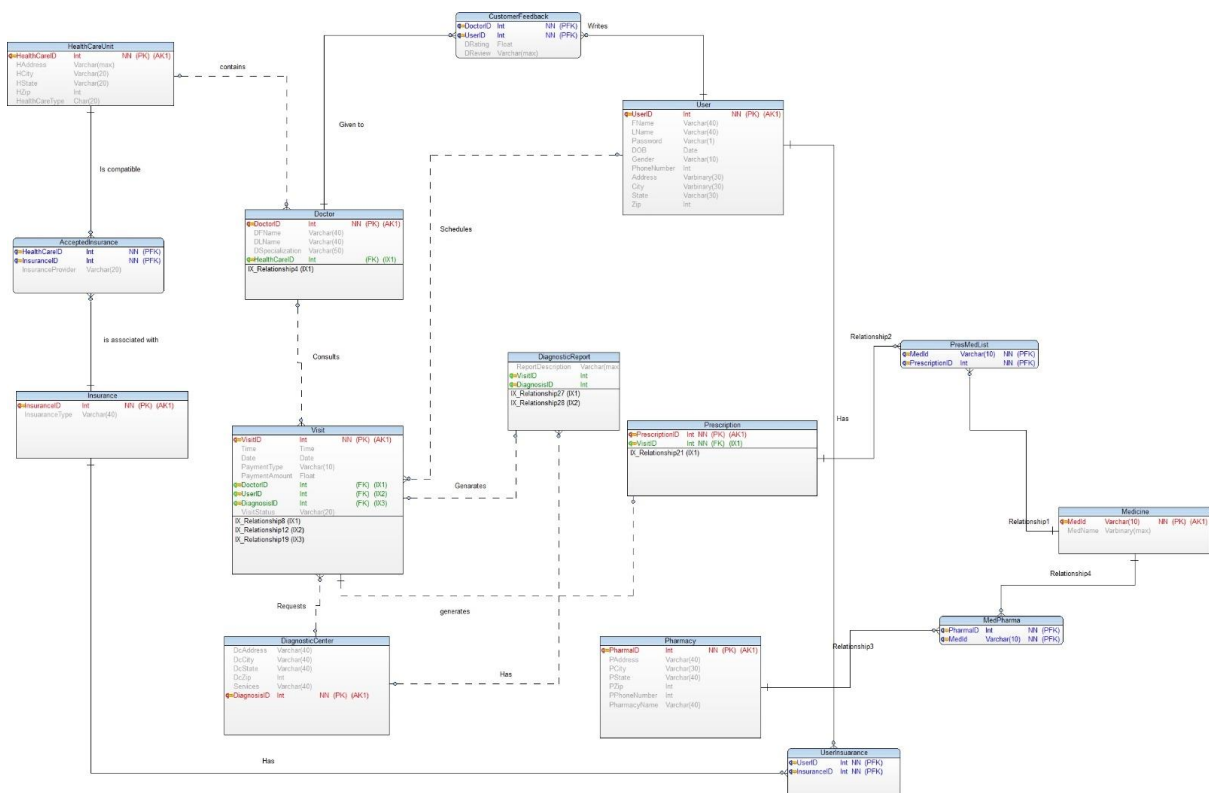


## LYFELINE

## Abstract

Lyfeline acts like a tool to connect users with the health care facilities available near them. It helps the health care units get more patients as well as enable the users to reach out to health care that is most benefited to them. It also makes the whole process of booking an appointment with a doctor or a diagnostic center for tests very much hassle free.

## The ER Diagram



### PROCEDURES :

- 1) **Procedure Name** : HealthCareSpec  
**Input** : HealthCareID, Specialisation  
**Output** : DoctorID, Fname, Lname

When the HealthCareID and Specialisation is given as input to the procedure, the procedure will give the output as DoctorID, Doctor's First Name and Doctor's Last Name

- 2) **Procedure Name** : HealthUnitSearch  
**Input** : HealthCareID  
**Output** : Doc details (ID, Fname, Lname), Specialisation
- 3) **Procedure Name** : InsuranceProviderAcceptedByHealthCare  
**Input** : HealthCareID  
**Output** : Insurance Providers they accept
- 4) **Procedure Name** : PrescribedMedicationToUser  
**Input** : UserID  
**Output** : The medications they are under

### **VIEWS**

- 1) **View Name** : v\_AppointmentDetails  
PatientName, DoctorName, AppointmentDetails, Venue
- 2) **View Name** : UserMedicine  
UserID, PatientName, MedicineName

### **TRIGGERS**

- 1) **Trigger Name** : ServiceDelete\_Diagnostics  
When a Diagnostic Service is being removed from a Diagnostic Center
- 2) **Trigger Name** : Update\_tr  
When a doctor changes the healthCareUnit he is associated with
- 3) **Trigger Name** : DoctorRemoved  
When a doctor is being removed the database
- 4) **Trigger Name** : MedRemoved  
When a Medicine is being Removed in a Pharmacy
- 5) **Trigger Name** : MedAdded  
When a new Medicine is added in a Pharmacy

### **Computed Columns Based On A Function**

- 1) **Function Name** : Doctor Grade  
Based on the rating of a doctor, it will return Poor, Average, Good, Excellent

### **Column Data Encryption**

- 1) Password column in the User Table.

### **Table Level Check Constraints**

- 1) Check Constraint in State Column of the User Table, HealthCareUnit, Diagnostic Center, Pharmacy

### **Non- clustered Indexes**

- 1) Primary Key Index for all tables