**Short Description**

We have two kinds of users for our clinic database: receptionists and doctors. Depending on who signs in, different tabs will appear on the interface for functionality.

Doctors will be able to see their scheduled appointments for the day. They will also be able to search patients and view and change their medical records.

Receptionists can also see the scheduled appointments for the day. They can search for patients and view their profile and view their appointments and have the option of cancelling them. In another tab there is a calendar where the receptionists can schedule the appointment. The last tab for the receptionists is to view the payments paid to the clinic.

**Final Schema**

Employee ( eID: integer, ename: string, sin : string, loginID : string, password : string)

Doctor ( eID: integer, ename: string, sin : string, loginID : string, password : string,

licence: string, quaflication: string)

Appointment ( eID: integer, time: timestamp, fee: real, pID: int)

Patient( pID: integer, pname: string, address: string, phone: string, email: string, carecardnum: string)

Schedule( reID: integer, deID: integer, pID: integer, time: string, date: date)

has\_fHistory(pID: integer, pname: string, fname: string, condition: string, relation: string)

contains\_pHistory(pID : integer, pname : string, pdate: date, condition: string, medication : string)

has\_MedicalRecords(pID: integer, pname: string, allergies: string, emerContacts: string)

There are three tables , covered\_by, Insurance and diagnose, which we didn’t include. We found that diagnose was redundant with contains\_pHistory only adding information about which doctor added the patient history. We didn’t include Insurance, covered\_by, and payment because it wasn’t necessary when we decided to keep our interface simple and these tables were mostly for realism.

We added an attribute, pID, to *Appointment* so we can keep track of which patient has an appointment with which doctor. We also changed the name for e.eID and a.eID in Schedule to reID and dEID to make it more intuitive which employee we’re referring. reID being the receptionist who scheduled the appointment and deID being the doctor.

We merged time and date together in *Appointment* and changed all the date attributes in the tables to be actual date types or timestamps to have less chance of errors when entering values into the database.