

CS 5200 Database Management Systems Project Proposal

University Health Clinic

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Group members:

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Introduction

Our project, University Health Clinic, aims to create a relational database model of the healthcare system for students at Northeastern. The database will contain information about students, doctors, appointments, lab reports, and prescriptions. The clinic's healthcare system is designed to be used by an admin staff member. The admin can perform the following operations:

- Make new appointments for students, and decide the appropriate time and consultant/doctor for the appointment.
- Reschedule/cancel appointments.
- Send lab test reports to doctors.
- View/edit student information.
- View/edit doctor information.

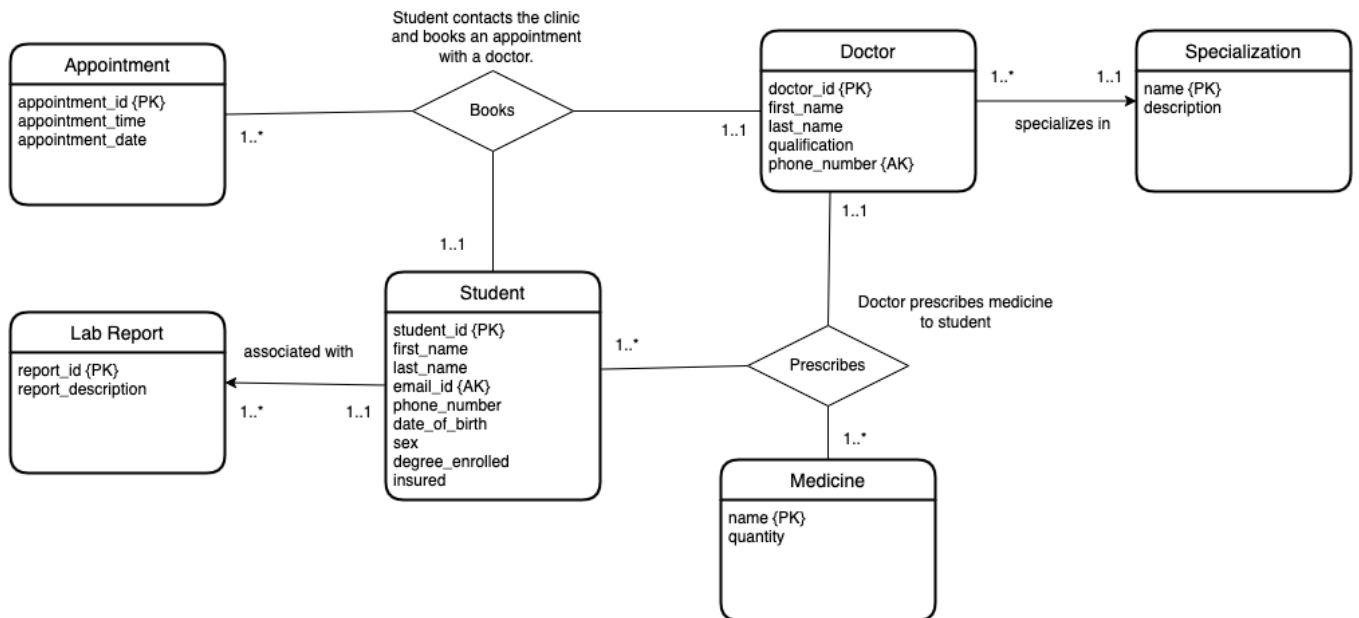
Technical Details

- The project will use a relational SQL database.
- The project application will be built as a web application using HTML, CSS for front-end, and Node.js (JavaScript), SQL Server for backend and database components. The application will be a cross platform application, and can be accessed using any platform such as Windows, Mac, or Linux.
- The project will also use various libraries for Node.js such as 'express' and 'mysql'.

Domain Interest

The healthcare system is extremely critical for a university to function optimally. Due to a large population of students, the university must be equipped to provide care to students with issues of physical and mental health. Our personal experiences with the healthcare services at the university has motivated us to explore how the complete system of making an appointment and organizing the results of prognosis and prescriptions can be done in an efficient manner.

Conceptual Design



Activity Diagram

