

For the final product of this project, we created a website to manage the complex logistics of managing a hospital that is to be used by three specific personas that we have determined: patients, doctors, and insurance companies. For each of the personas, a dedicated page is accessible for different usages. All user personas first access the home page of the website, and they can then choose which page to be redirected to based on the three menu buttons on the home page.

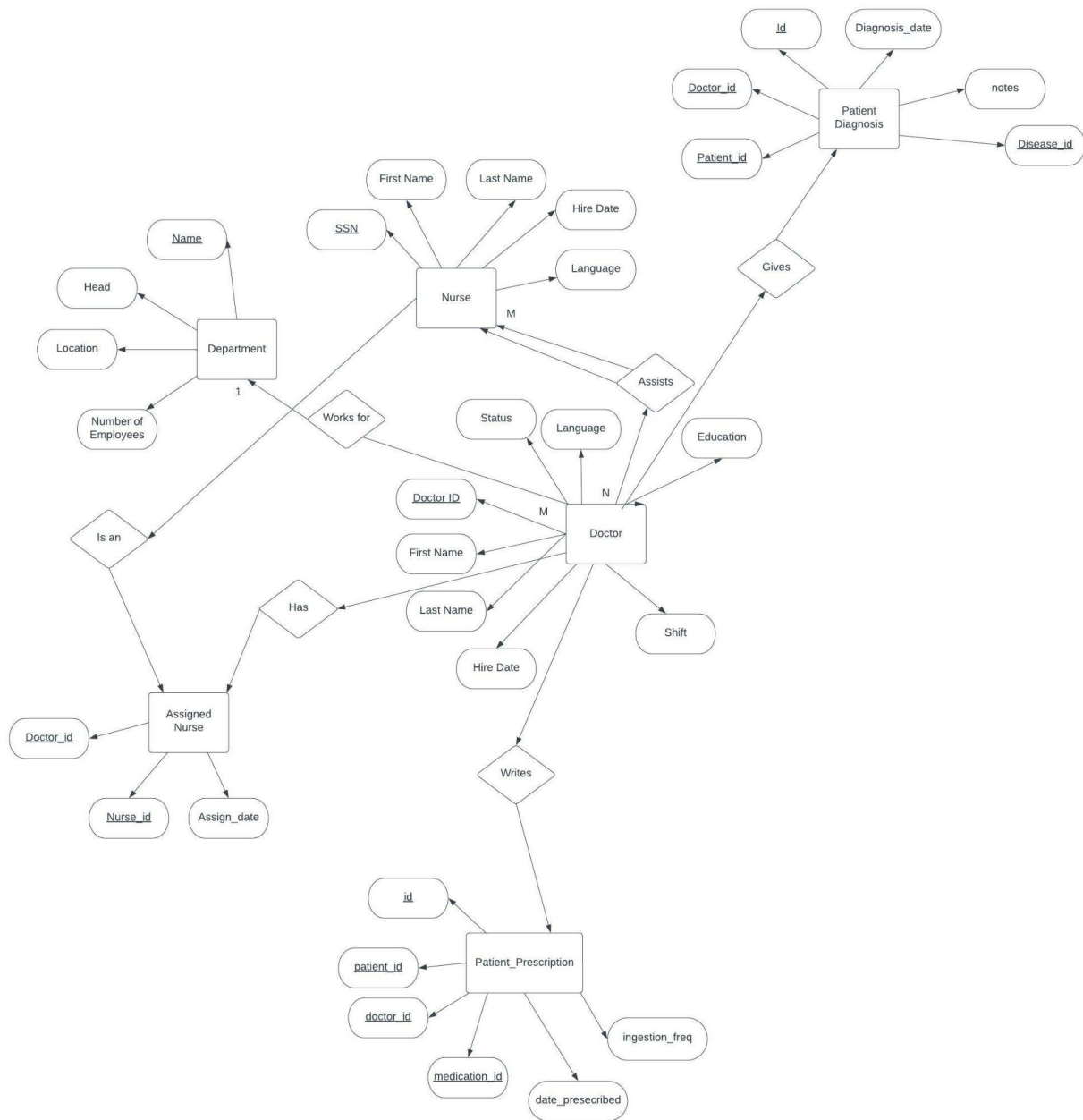
From there, patients have the option of utilizing the Schedule Appointment button, which redirects patients to a page where they can fill in their first name, and last name, and describe their symptoms. Additionally, they are able to name a doctor that they prefer and the date and time they would like to schedule their appointment. Another page that a patient can be redirected to from the home page is the Patient Registration page. The Patient Registration page allows patients to input details that would add their information to the database: first name, last name, birthdate, sex, address, language, medical history, and additionally, the first name, last name, email, contact, and relationship of an emergency contact, and lastly, a preferred doctor.

Doctors have access to two pages from the options on the home page: Pending Appointments, and Patient Information. Pending Appointments allow doctors to view the appointments that are scheduled for them by inputting their ID. The Patient Information page allows doctors to view a patient's information by inputting a patient's ID. Information that is displayed includes the patient's name, address, primary care provider, preferred language, date of birth, medical history, and emergency contact information and reflects the information that the patient submitted upon registering for the service.

Insurance companies have access to two pages from the home page: Insurance Claims and Premium Calculator. The Insurance Claims page includes two tables: the Pending Claims, and the Completed Claims. The Pending Claims table contains all of the pending claims, where the user of this data can access the plans of the patient in each entry. The Completed Claims table contains the same information as the Pending Claims but only includes the data of the claims that have been completed. Both tables have the column headings Claim ID, Patient ID, Patient First Name, Patient Last Name, Claim Date, Claim Amount, and Plan and Premium Information. In the Premium Calculator page for use by insurance companies, the user is able to enter a Patient ID to receive information on the yearly plan cost, copay per visit, the patient name, country of origin, sex, primary care, medical history, and plan coverage.

Final Video Recording: youtu.be/0g-VgTJXS-0

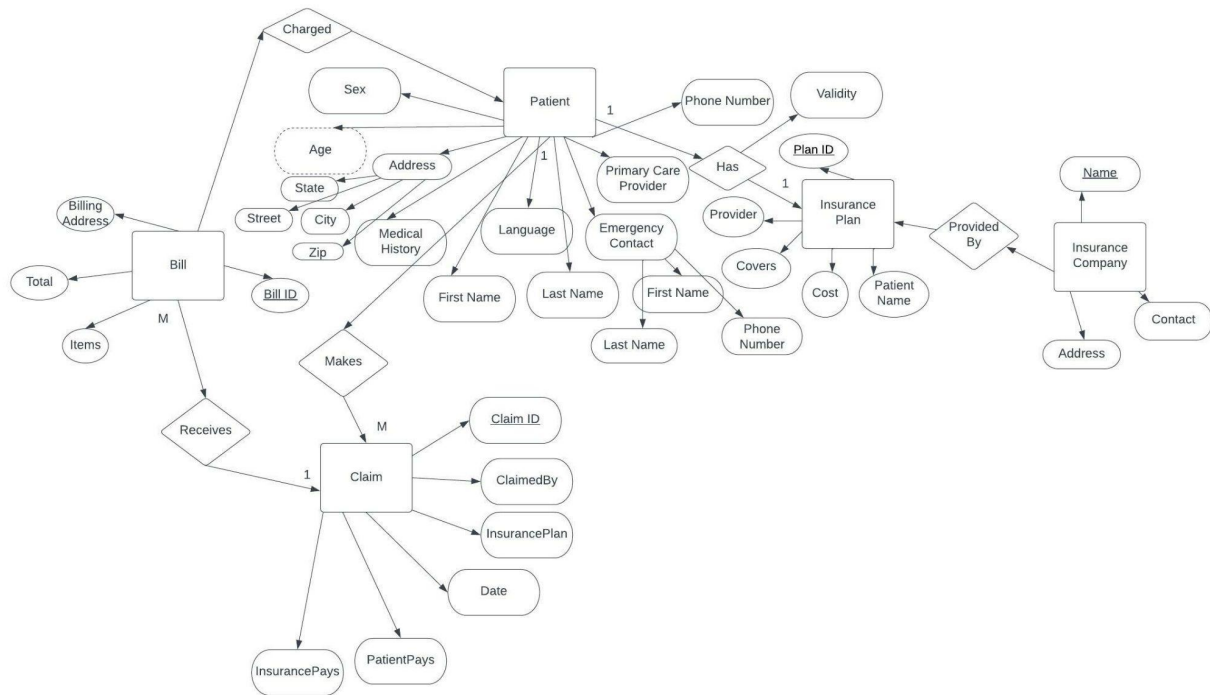
Doctor ER Diagram



Patient ER Diagram



Insurance ER Diagram



ER Diagram

