

EER Diagram

Team 28

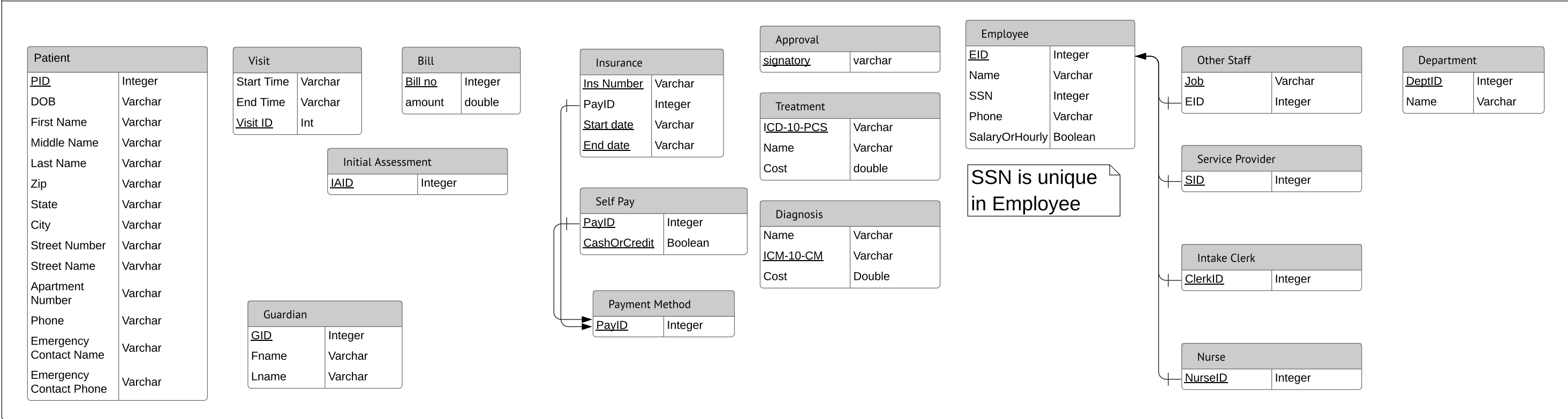
Nic Hamlin - hamli052

Keenan Perera - perer026

Dan Belair - bela0019

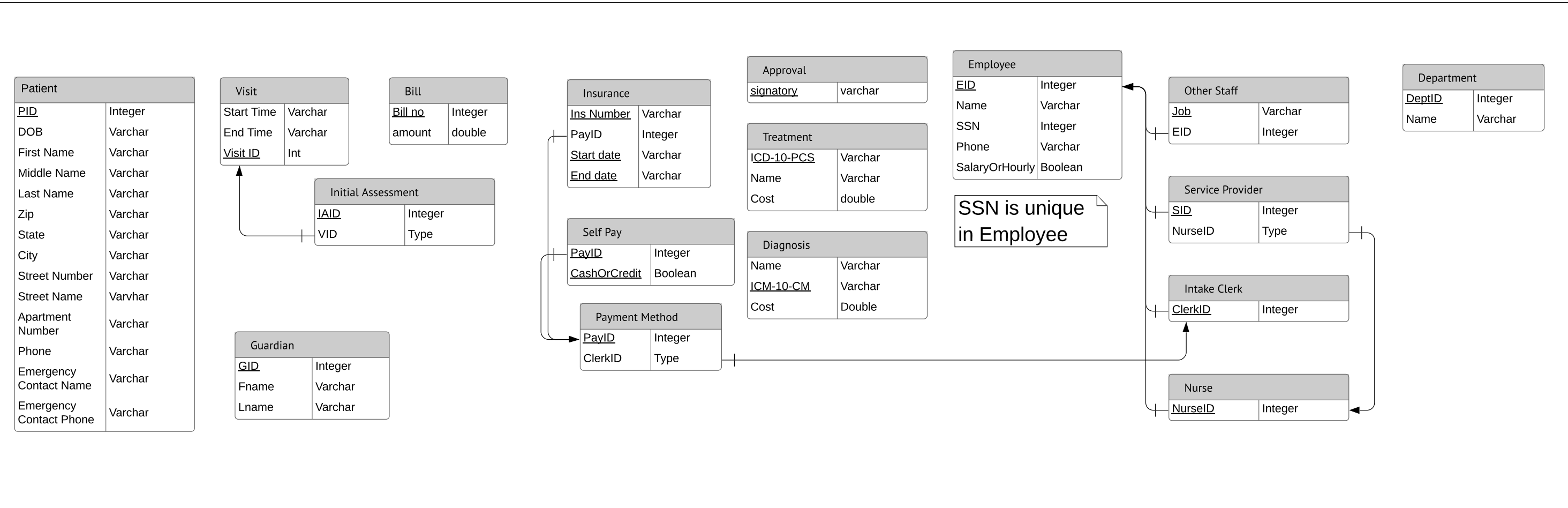
Brandon Chan - chanx411

Step 1 Strong Entities



Step 2: No Weak Entities exist in the diagram

Step 3 Binary 1:1 relationships



Step 4: Binary 1:N relationships
Used FK Method for all

1	N
Dept	Employee
Visit	Diagnosis
Guardian	Patient
Patient	PaymentMethod
Bill	Visit
Service Prv	Treatment
Service Prv	Diagnosis
Approval	Treatment
Patient	Visit

Step 5: Binary M:N relationships

Visit	Treatment
Treatment	Visit

Step 6: Multivalued Attributes

Phone number in Patient
Symptoms, Vitals, and
Medication in
InitialAssessment

Step 7: No N-ary relationships exist in the diagram

Step 8: Specializations and Generalizations are handled in Step 1 due to the need for them in the third step

Step 9: No Union Types exist

Composite Attributes

Employee.Name, Patient.Name, Patient.Address, Patient, EmergencyCont, Address.StreetAddr

Employee

EmpID Varchar

Name Varchar

etc. Varchar

Name

last Varchar

middle Varchar

first Varchar

Patient

PID Integer

Name Varchar

Address Varchar

DOB Varchar

Phone Varchar

Emerg Co Varchar

Name

last Varchar

middle Varchar

first Varchar

Emergency Contact

Name Varchar

Phone Varchar

Varchar Varchar

Address

City Varchar

StreetAddr Varchar

State Varchar

Zip Code Integer

StreetAddress

Number Integer

Street Varchar

Apt Num Varchar