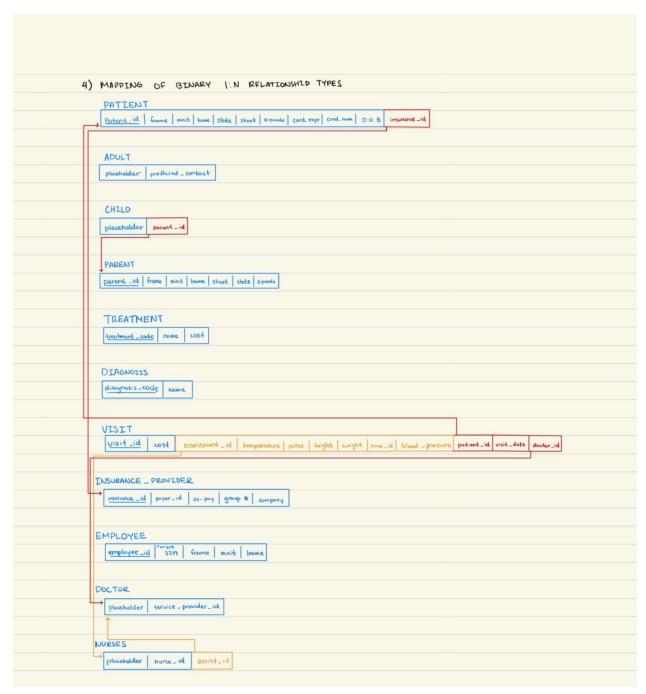
| 1) MAPPING OF REGULAR ENTITY TYPES |
|--|
| |
| PATIENT |
| Patent id frame minit have state street zipeade card expr cord num D.O.B |
| |
| ADULT |
| ploceholder preffered_contact |
| |
| CHILD |
| placeholder |
| |
| PARENT |
| parent_id frome minit Inome street state zipcode |
| |
| TREATMENT |
| treatment_code nome cost |
| |
| DIAGNOSIS |
| diagnosis-code nome |
| |
| VISIT |
| visit_id cost |
| |
| INSURANCE _ PROVIDER |
| insurance_id payer_id co-pay group # company |
| |
| EMPLOYEE |
| employee_id "wife some minit Inome |
| |
| DOCTOR |
| placeholder service - provider_id |
| |
| NURSES |
| ploceholder nurse_id |
| |
| |
| |
| |
| |
| |
| |
| |

Employee.ssn and Doctor.service_provider_id and Nurses.nurse_id are unique (denoted with * later in steps)

| 2) MAPPING OF WEAK ENTITY (none for our diagram) |
|--|
| PATIENT |
| Patient id frame minit have state street zipeade card. expr cord. num D.O. 8 |
| |
| ADULT |
| placeholder preffered_contact |
| |
| CHILD |
| placeholder |
| |
| PARENT |
| parent_id frome minit Irome street state zipcode |
| |
| TREATMENT |
| treatment_code name cost |
| |
| DIAGNOSIS |
| diagnosis-code name |
| |
| VISIT |
| <u>visit_id</u> cost |
| |
| INSURANCE _ PROVIDER |
| insurance_id payer_id co-pay group # company |
| |
| EMPLOYEE |
| employee_id ssn frame minit home |
| |
| DOCTOR |
| placeholder service - provider_ich |
| |
| purses |
| placeholder norse_id |
| |
| |
| |
| |
| |
| |
| |
| |

| 3) 1 | MAPPING OF BINARY I: RELATIONSHIPS |
|------|---|
| | PATIENT |
| | Patient id frame minit have state street zipende cord expr cord num D.O. 8 |
| | |
| | ADULT |
| | placeholder preffered_contact |
| | |
| | CHILD |
| | placeholder |
| | |
| | PARENT |
| | parent_id from minit Iname street state zipcode |
| | |
| | TREATMENT |
| | treatment_code nome cost |
| | |
| | DIAGNOSIS |
| | diagnosis-code name |
| | |
| | VISIT |
| | <u>Visit_id</u> cost assessment_id temperature pulse height weight nume_id blood_pressure |
| | |
| 1 | ENSURANCE _ PROVIDER |
| | insurance_id payer_id co-pay group # company |
| | |
| 1 | EMPLOYEE |
| | employee_id ssn frame minit home |
| | |
| 1 | DOCTOR |
| | Placeholder service - provider_id |
| | 1 |
| | OURSES |
| L | ploceholder norse_id assist_id |
| | |

FK from Visit.assessment_id to Nurses.placeholder FK from Nurses.assist_id to Doctor.placeholder

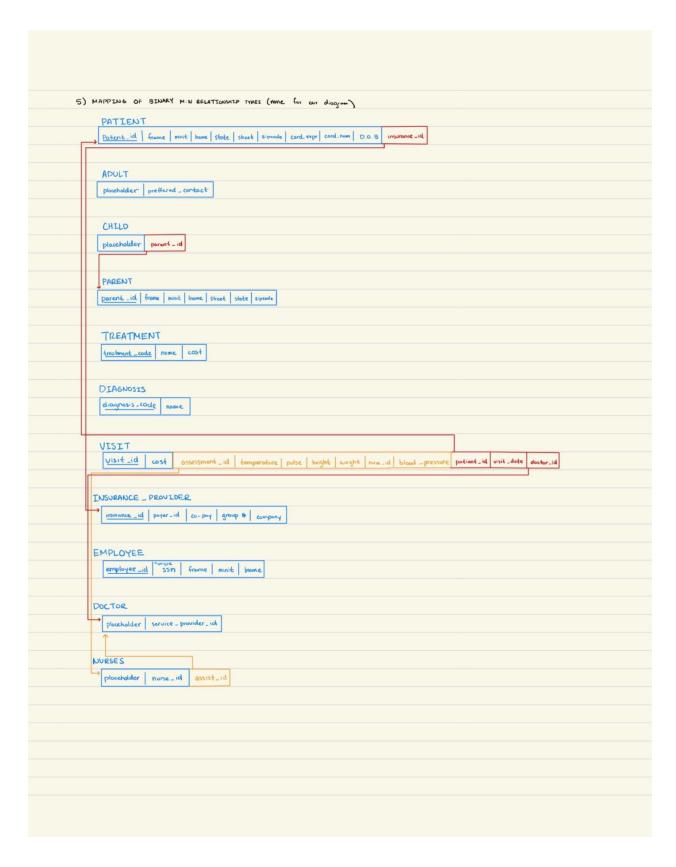


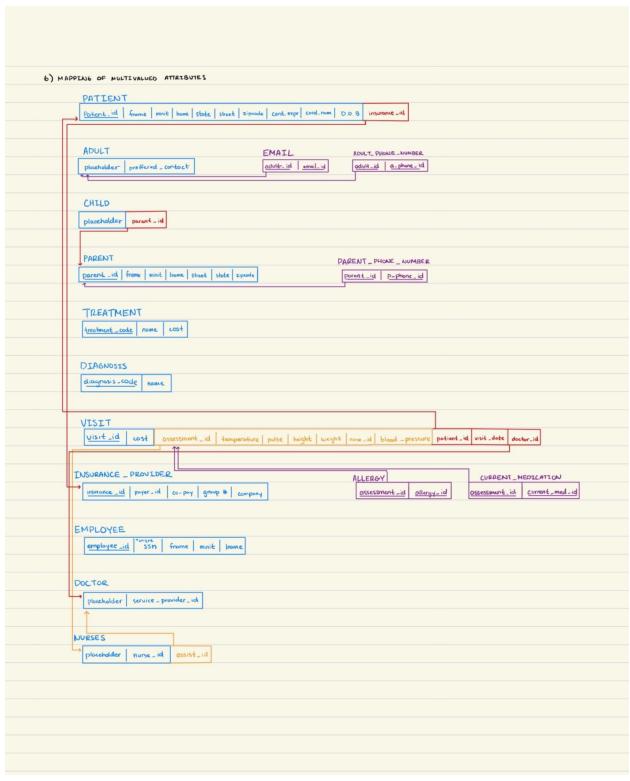
FK from Patient.insurance_id to Insurance_Providor.insurance_id

FK from Child.parent_id to Parent.parent_id

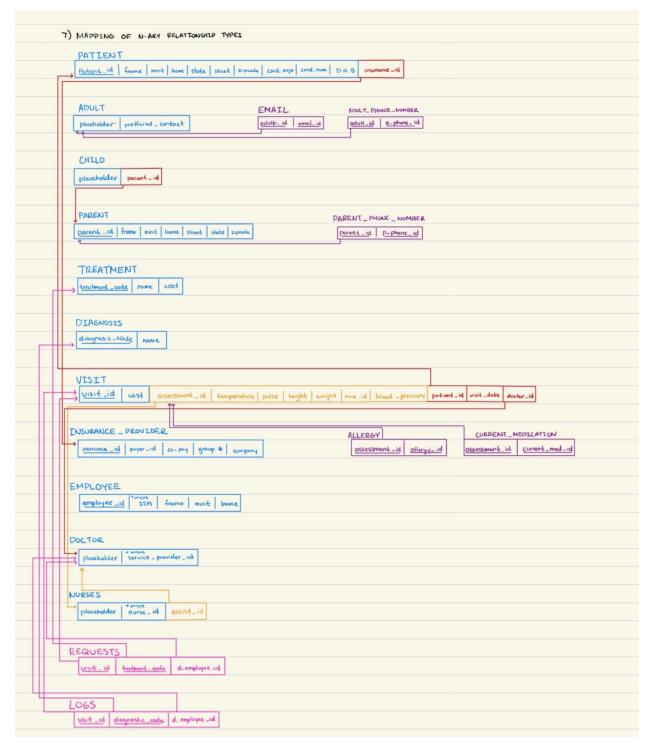
FK from Visit.patient_id to Patient.patient_id

FK from Visit.doctor_id to Doctor.placeholder





Items in purple represent multivalued attributes



Items in pink represent ternary relationships

FK from Requests.visit_id to Visit.visit_id

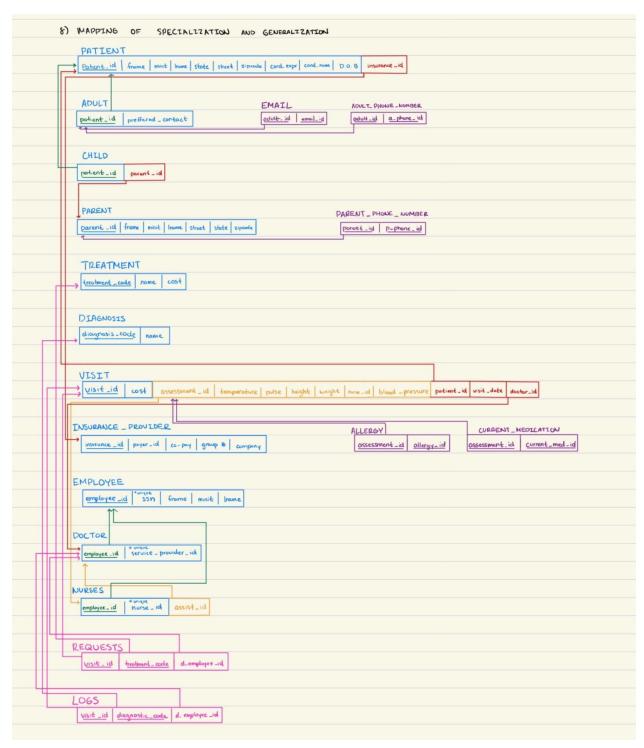
FK from Requests.treatment code to Treatment.treatment code

FK from Requests.d_employee_id to Doctor.placeholder (not included in primary due to cardinality of 1)

FK from Logs.visit_id to Visit.visit_id

FK from Logs.diagnostic_code to Diagnosis.diagnostic_code

FK from Log.d_employee_id to Doctor.placeholder (not included in primary due to cardinality of 1)



Filled in placeholders with appropriate keys based on specialization or generalization in green

FK from Nurses.employee_id to Employee.employee_id

FK from Doctor.employee_id to Employee.employee_id

FK from Child.patient_id to Patient.patient_id

FK from Adult.patient_id to Patient.patient_id

