

Step 1: Map all regular entities. Also, mapped the EER relations right away for simplicity later

Department

<u>Dno</u>	Dname
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Force unique on department name

Intake Clerk

<u>IntakeEmployeeID</u>	Fname	Mname	Lname	Payscale	Salary
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Service Provider

<u>ServiceEmployeeID</u>	Fname	Mname	Lname	ServiceID	SSN	Payscale	Salary
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Force unique on SSN and ServiceID

Nurse

<u>NurseEmployeeID</u>	Fname	Mname	Lname	ServiceID	SSN	Payscale	Salary
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Force unique on SSN

Other Employee

<u>OtherEmployeeID</u>	Fname	Mname	Lname	Payscale	Salary
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Patient

<u>PatientID</u>	Fname	Mname	Lname	DOB
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Insurance Provider

<u>MemberID</u>	PolicyNum	StartDate	EndDate
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Guardian

<u>GuardianID</u>	Fname	Mname	Lname
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Treatment

<u>TreatmentId</u>	ICDLOPCS	Name	Cost
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Emergency Contact

<u>EmergencyId</u>	Fname	Mname	Lname
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Initial Assessment

<u>AssessmentId</u>	Height	Weight	BloodPressure	Temperature
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Form

<u>FormId</u>	Date	ClerkID
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Diagnosis

<u>DiagnosisId</u>	ICDIOCM	Name
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Bill

<u>BillId</u>	InitialCost
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Medication

<u>MedId</u>	Name
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Step 3: No weak entities, skip step 2. Mapping 1:1 Binary Relationships

Department

<u>Dno</u>	Dname
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Force unique on department name

Intake Clerk

<u>IntakeEmployeeID</u>	Fname	Mname	Lname	Payscale	Salary
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Service Provider

<u>ServiceEmployeeID</u>	Fname	Mname	Lname	ServiceID	SSN	Payscale	Salary
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Force unique on SSN and ServiceID

Nurse

<u>NurseEmployeeID</u>	Fname	Mname	Lname	ServiceID	SSN	Payscale	Salary
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Force unique on SSN

Other Employee

<u>OtherEmployeeID</u>	Fname	Mname	Lname	Payscale	Salary
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Patient

<u>PatientID</u>	Fname	Mname	Lname	DOB
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Insurance Provider

<u>MemberID</u>	PolicyNum	StartDate	EndDate
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Guardian

<u>GuardianID</u>	Fname	Mname	Lname
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Treatment

<u>TreatmentID</u>	ICDLOPCS	Name	Cost
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Emergency Contact

<u>EmergencyId</u>	Fname	Mname	Lname
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Initial Assessment

<u>AssessmentId</u>	Height	Weight	BloodPressure	Temperature	FormId
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Force unique on FormId

Form

<u>FormId</u>	Date	ClerkID
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Diagnosis

<u>DiagnosisId</u>	ICDIOCM	Name	FormId
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Force unique on FormId

Bill

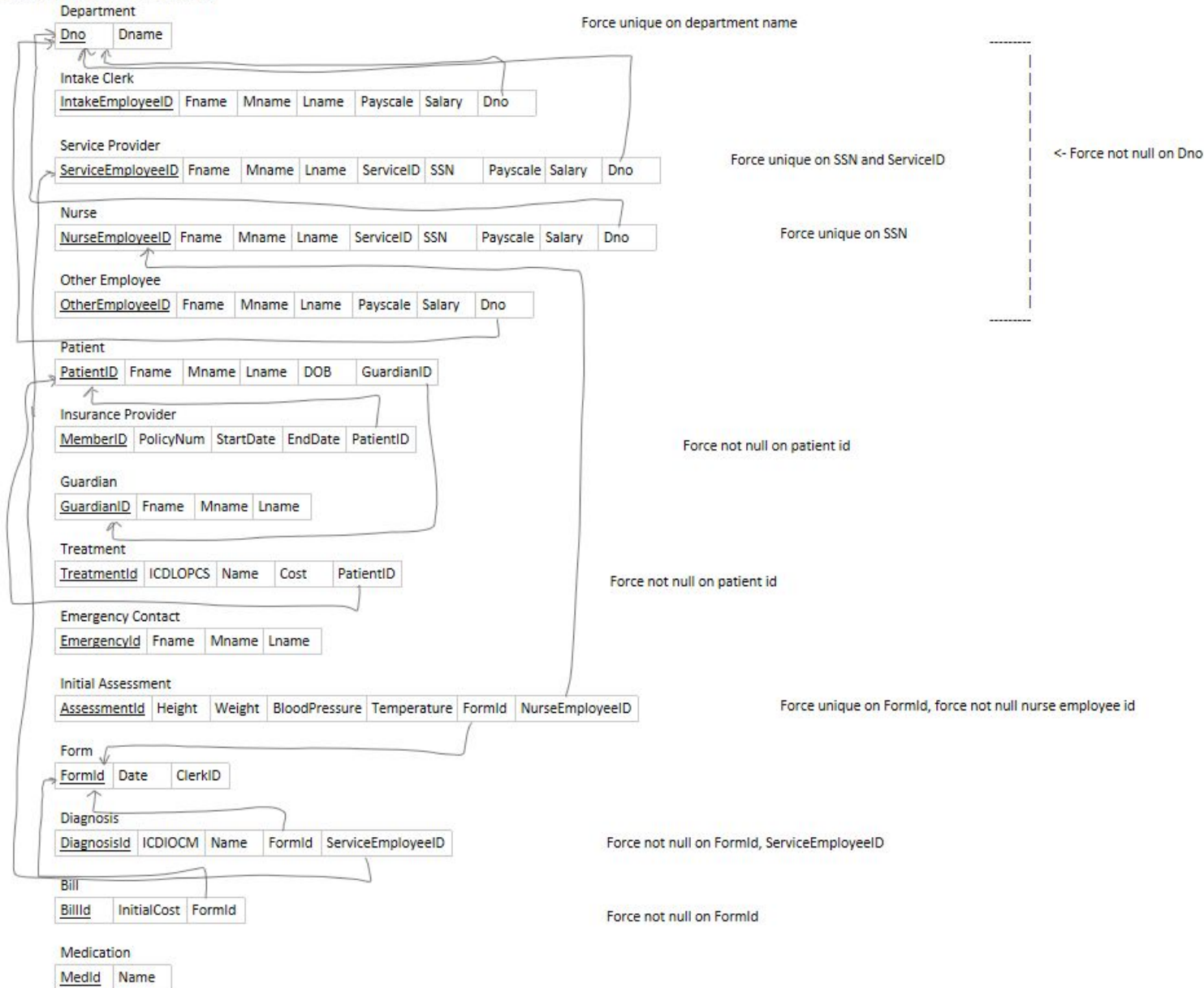
<u>BillId</u>	InitialCost	FormId
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Force unique on FormId

Medication

<u>MedId</u>	Name
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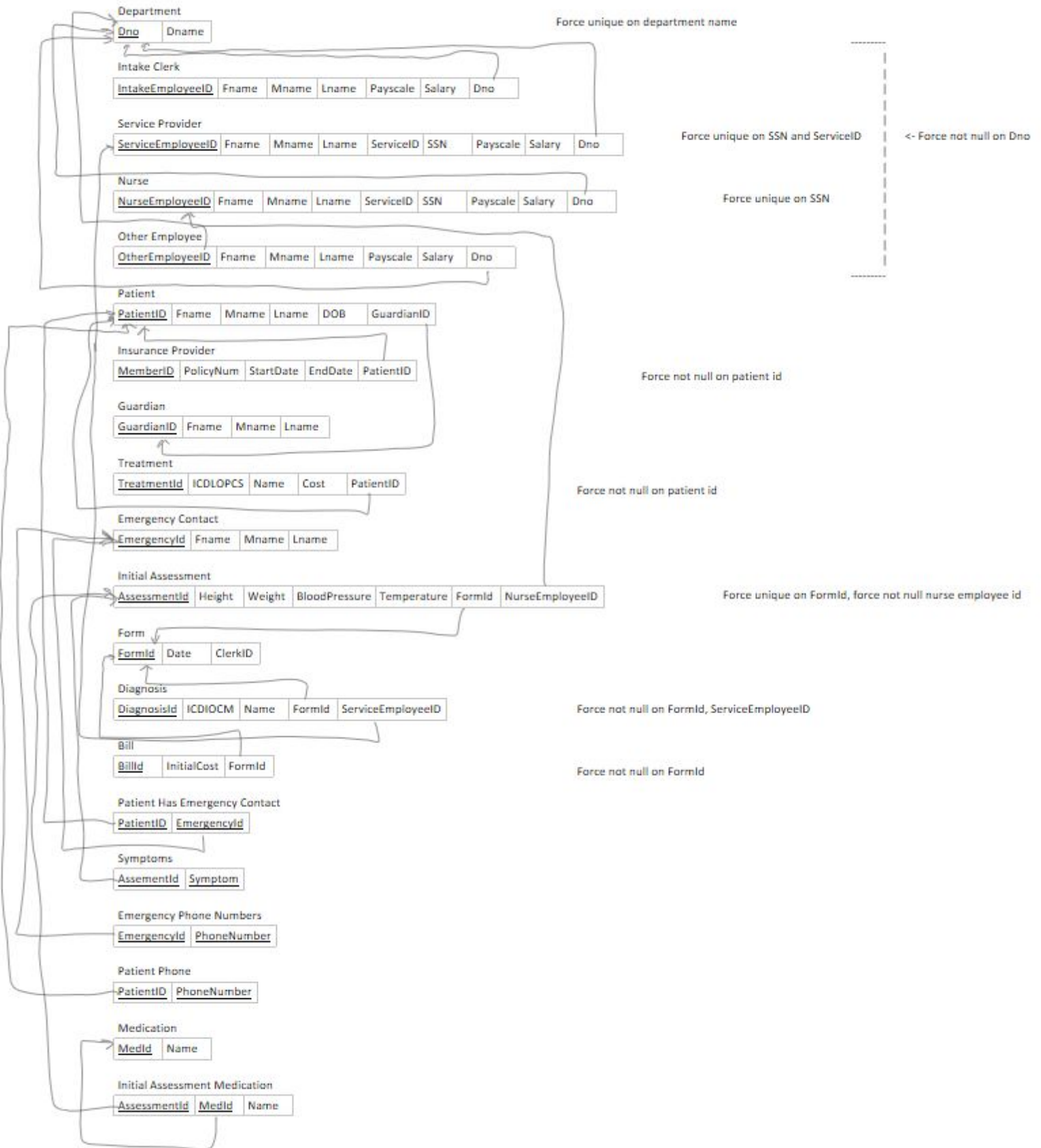
Step 4: Mapping 1:M Relationships



Step 5: Mapping M:N Relationships



Step 6: Mapping Multivalued Attributes



Step 7: Mapping N-ary relationships

