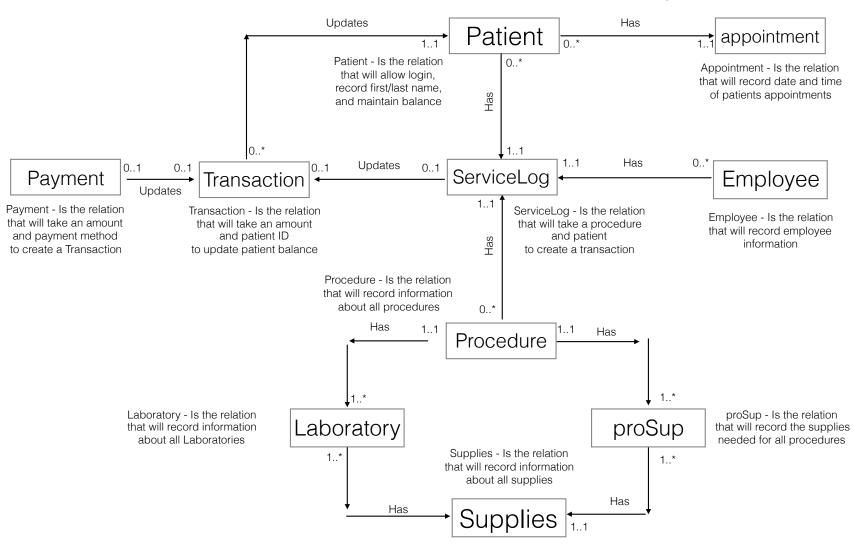
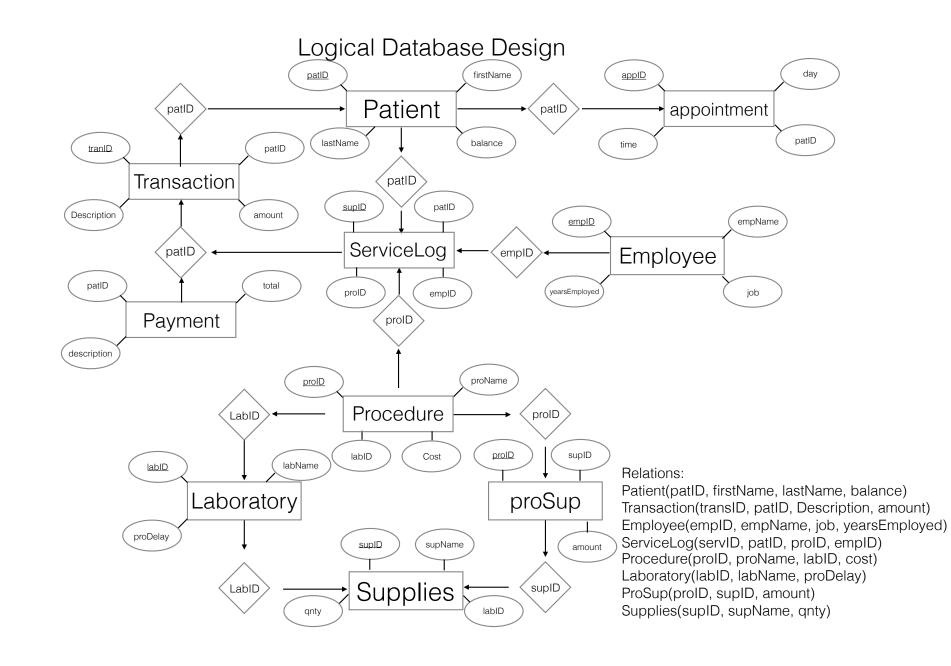
Conceptual Database Design





Functional Dependencies

Patient: PatID->(firstName,lastName,balance)

Appointment: appID->(date, time)

Transaction: transID->(date, description, amount)

Employee: empID->(empName,position)

Procedure: proID->(proName, cost, labID)

Laboratory: labID->(labName)
Supplies: supID->(supName, gnty)

proSup: {proID, supID}->(amount)

Our Database Is 3NF Because....

For every functional dependency in every relation in our database X->A X is a superkey because only candidate keys functionally determine other attributes and there are no functional dependencies between non-prime attributes