DATA BASE MODELLING USING ENTITY RELATIONSHIP MODELLING

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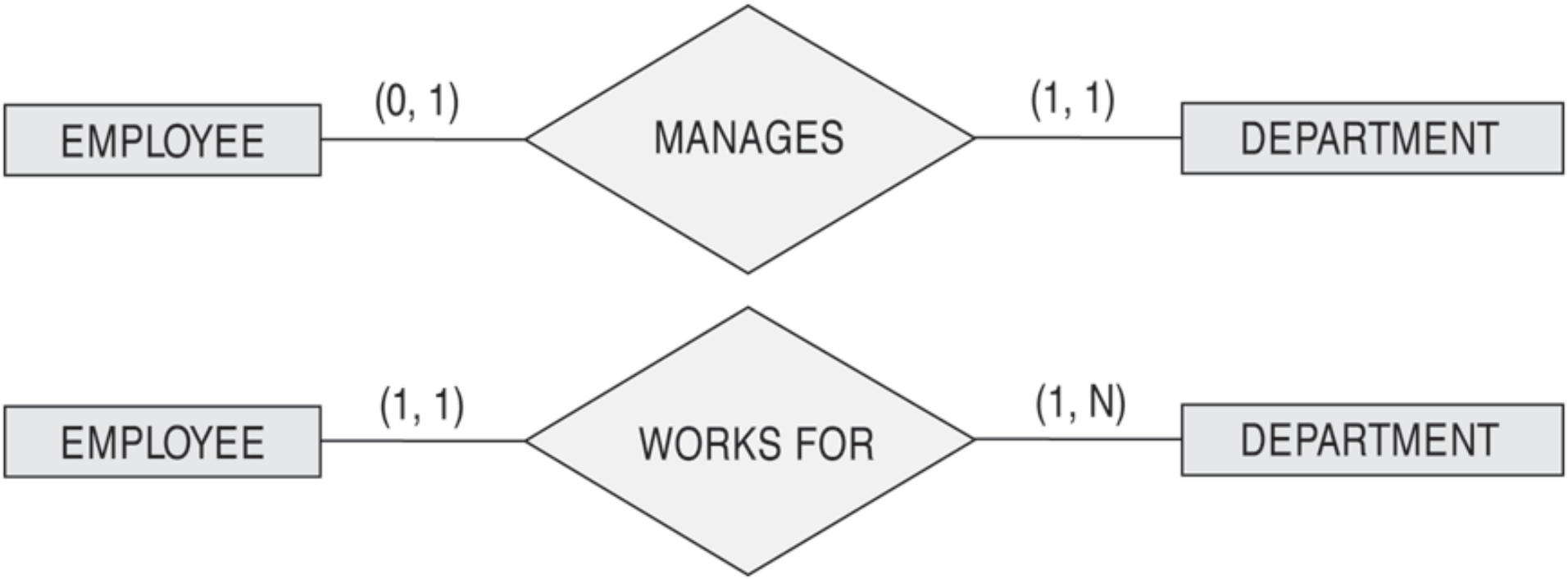
Min MAx Notation



Min MAx Notation

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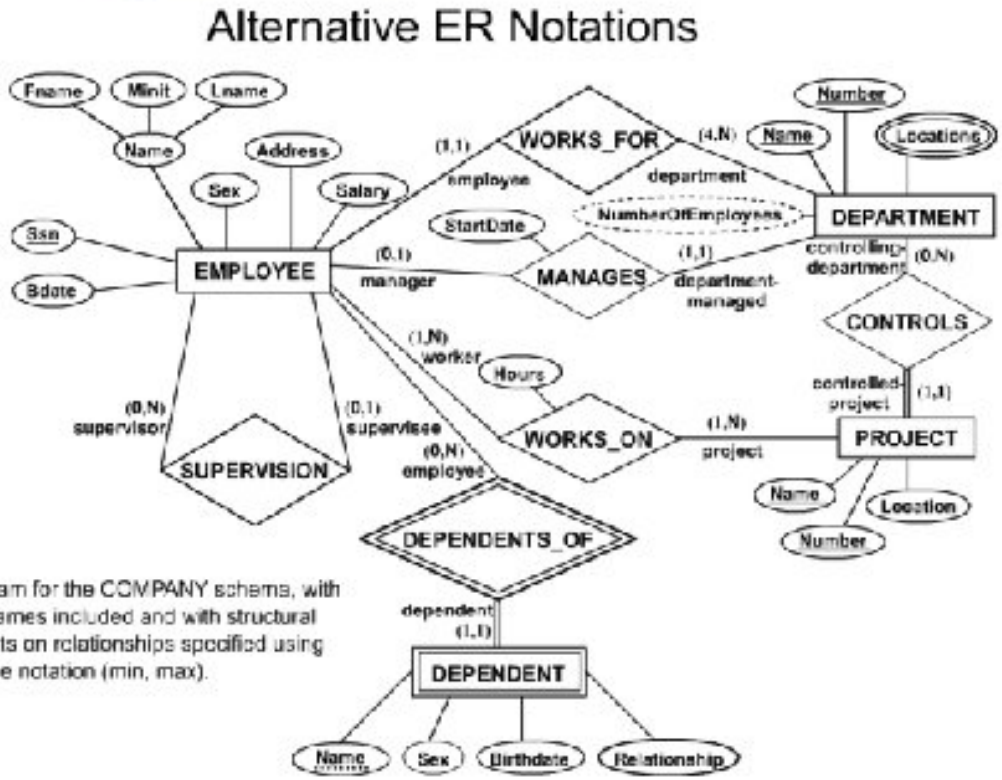
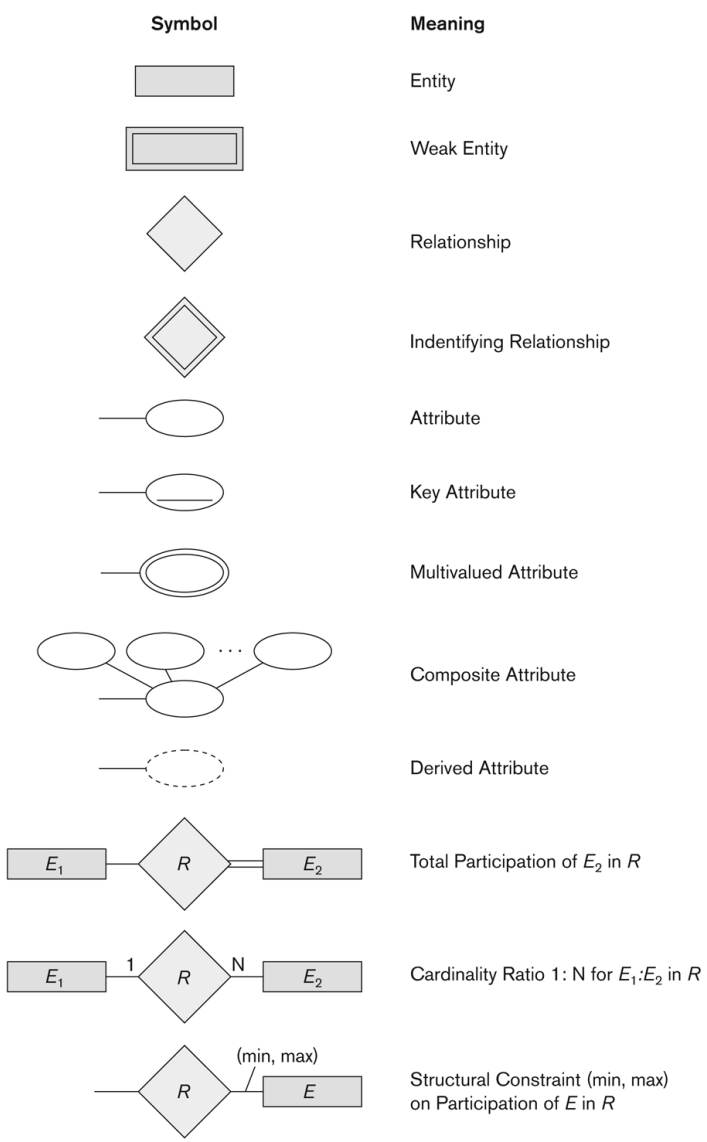
COMPANY ER Schema Diagram using (min, max) notation



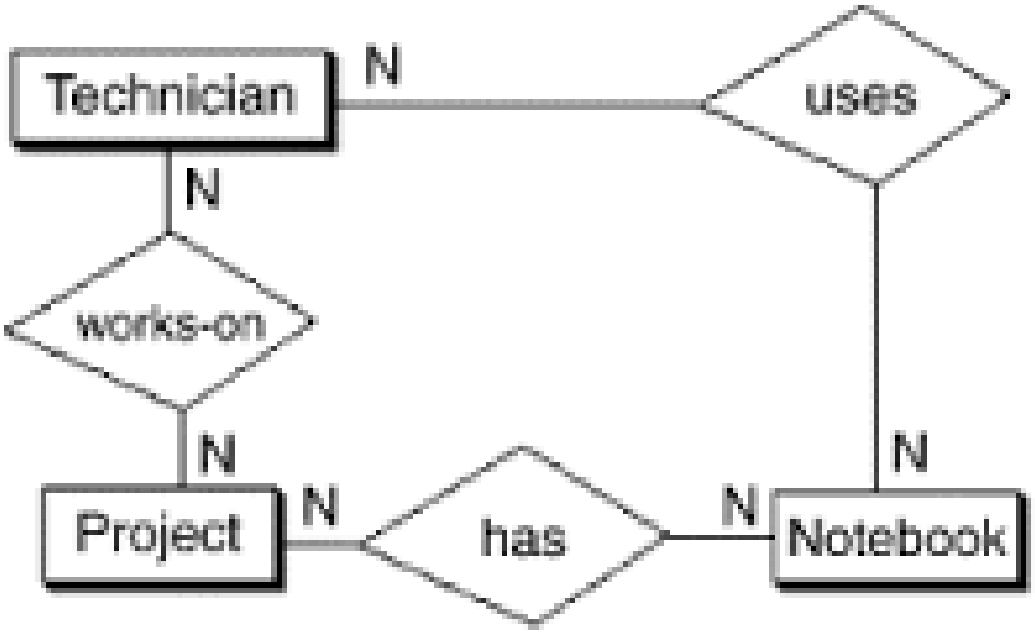
ER diagram for the COMPANY schema, with all role names included and with structural constraints on relationships specified using alternative notation (min, max).

Min MAx Notation

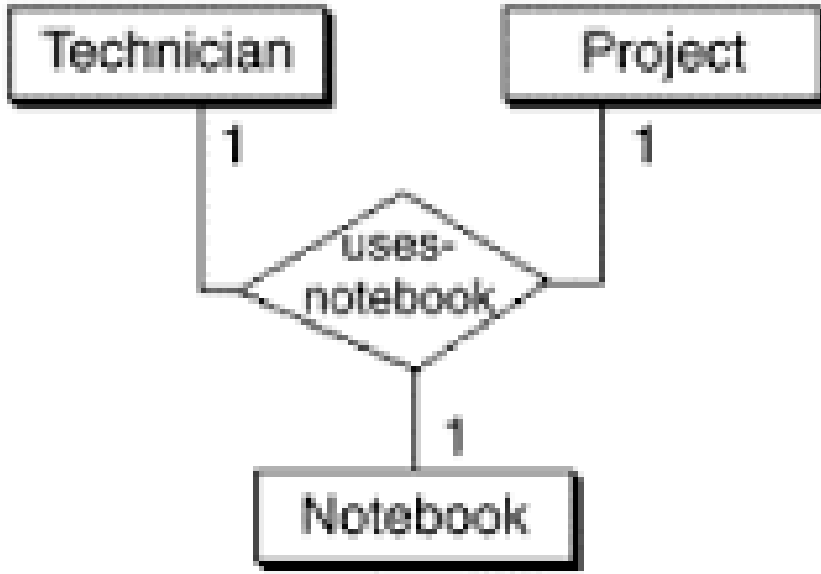
Figure 3.14
Summary of the notation for ER diagrams.



Ternary Relationship

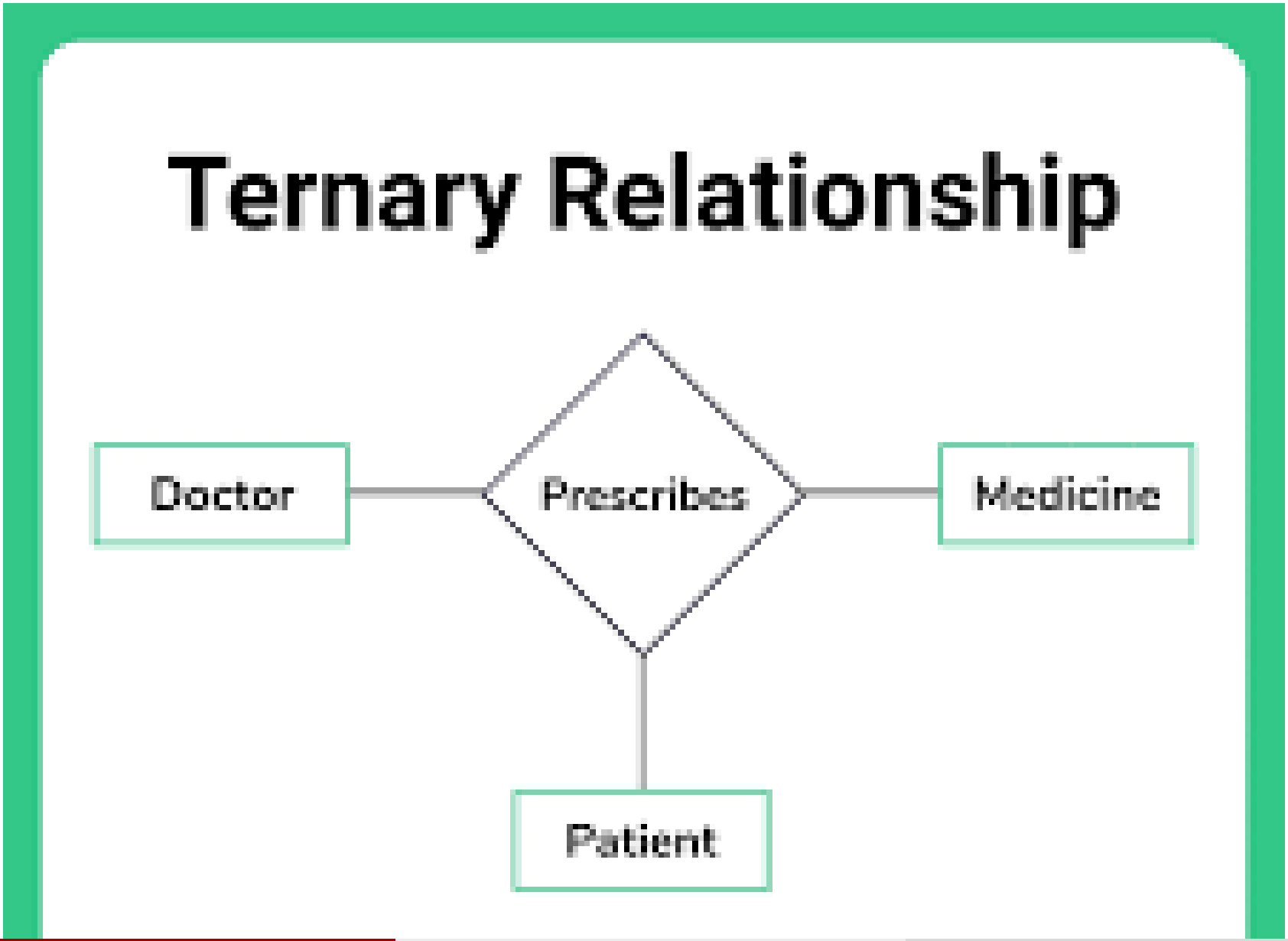


(a)



(b)

Ternary Relationship



Relationships of Higher Degree

1. Relationship types of degree 2 are called **binary**
2. Relationship types of degree 3 are called **ternary** and of degree n are called n ary
3. In general, an $n - ary$relationship is not equivalent to n binary relationships
4. Constraints are harder to specify for higher degree relationships ($n > 2$) than for binary relationships

Ternary Relationship

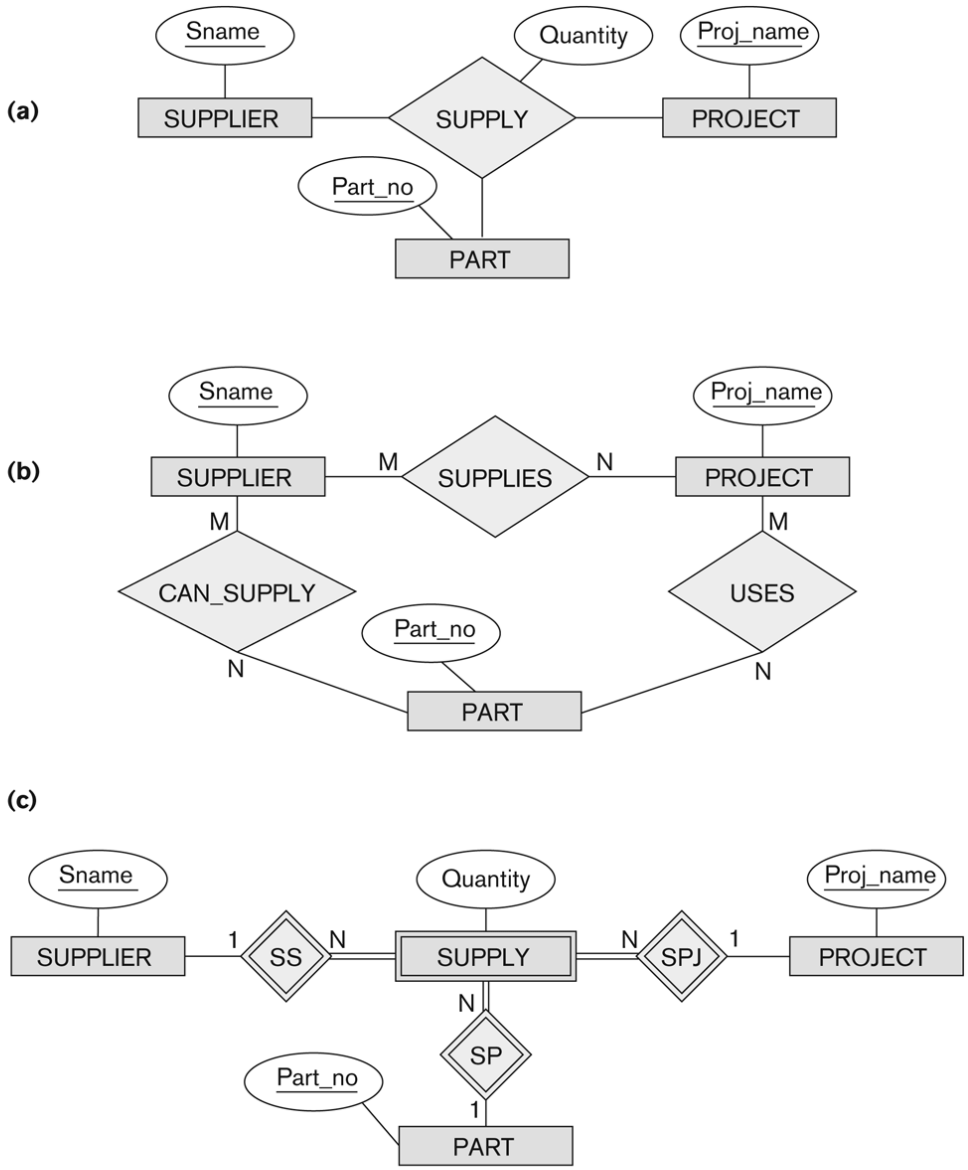


Figure 3.17