

Chapter 9
Step 1 - Strong Entity
Types

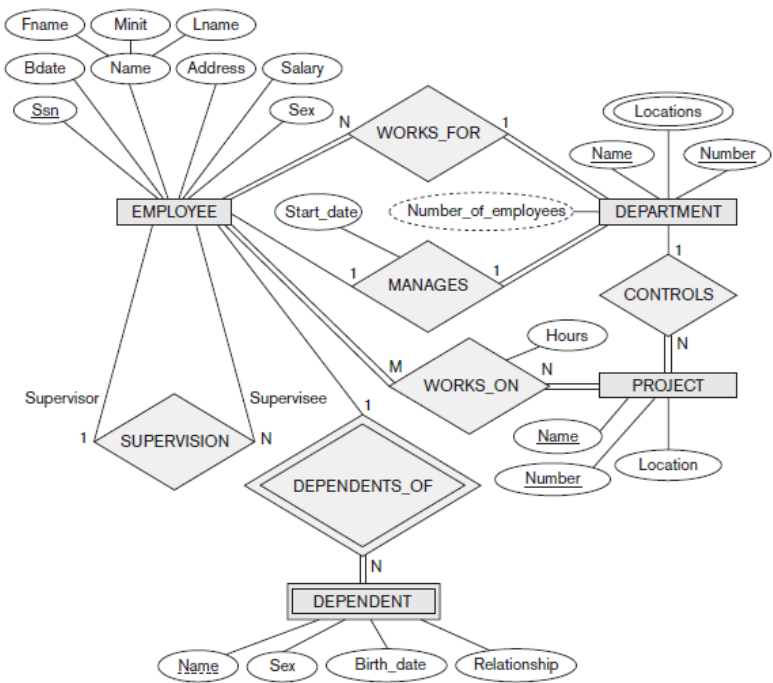
Relation Schema

EMPLOYEE

<u>Ssn</u>	Fname	Minit	Lname	BDate	Salary	Sex	Address
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Domain

Ssn_Type = 9 digit character strings for ssn's
(format xxx-xx-xxxx).



SQL - Structured Query Language

Data Definition & Data Manipulation Language(s)

Schema - tables and other constructs
used by our application programs.

Base Relation (Table) vs. Virtual Relation (View)

Catalog - collection of
schemas.

AUTUMN2024

What's the default schema?
(dbo) database owner.

CREATE

Relational Database
Schema

$R_i(A_1, A_2, \dots, A_m)$

$S = \{R_1, R_2, \dots, R_m\}$

IC

Relational Database
State

$DB = \{r_1, r_2, \dots, r_m\}$

Satisfies IC

Environment

Development

Production