

DATABASE MANAGEMENT SYSTEM 1
2nd Semester, SY. 2024-2025

LN:	BAUSAS	FN:	BEA ALEXA	MI:	D.	DATE:	29/03/2025
STUD. NO.	210-00924M	SCHEDULE:	6:00 PM - 9:00 PM	PT NO	1		

TOPIC: Entity-Relation Diagram

CASE SCENARIO:

We store each employee’s name (first, last, MI), Social Security number (SSN), street address, salary, sex (gender), and birth date. An employee is assigned to one department, but may work on several projects, which are not necessarily controlled by the same department. We keep track of the current number of hours per week that an employee works on each project. We also keep track of the direct supervisor of each employee (who is another employee).

TASK:

- 1. Create an ERD diagram based on the given case scenario
- 2. Using your ERD, list all the entities and attributes you used (see example below)

Example:

Entity no 1

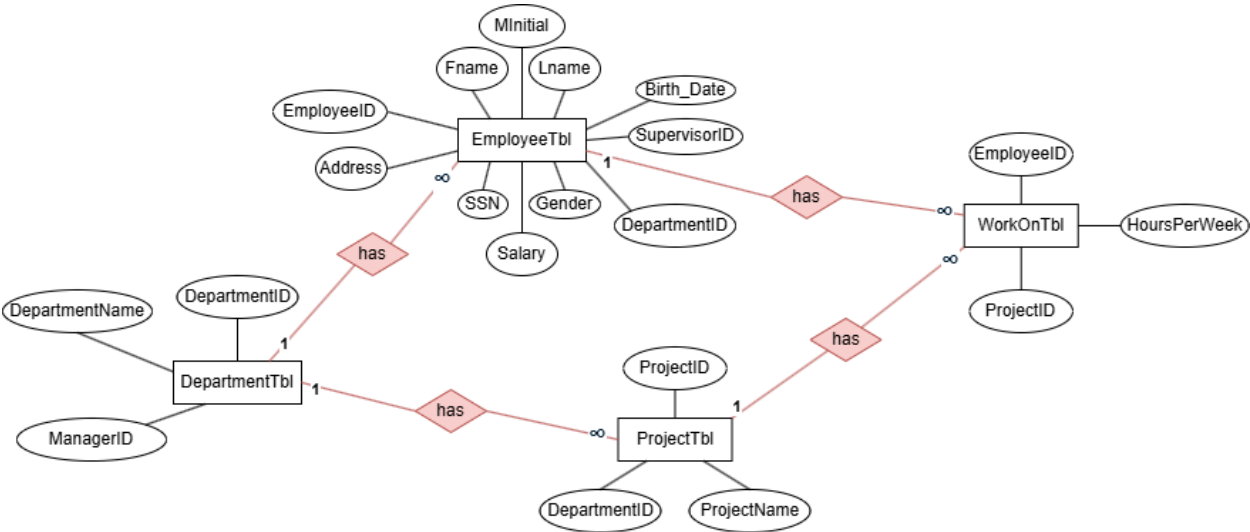
ENTITY NAME:	EMPLOYEE
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Attributes

TYPE OF ATTRIBUTES:

NAME	Simple attributes
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Task 1 Answer:



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Task 2 Answer:

ENTITY NO 1

ENTITY NAME:	EmployeeTbl
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ATTRIBUTES	TYPE OF ATTRIBUTES:
EmployeeID	PRIMARY KEY
FName	SIMPLE
LName	SIMPLE
MInitial	SIMPLE
SSN	SIMPLE, UNIQUE
Address	SIMPLE
Salary	SIMPLE
Gender	SIMPLE
Birth_Date	SIMPLE
SupervisorID	COMPOUND
DepartmentID	COMPOUND

ENTITY NO 2

ENTITY NAME:	DepartmentTbl
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ATTRIBUTES	TYPE OF ATTRIBUTES:
DepartmentID	PRIMARY KEY
DepartmentName	SIMPLE
ManagerID	COMPOUND

ENTITY NO 3

ENTITY NAME:	ProjectTbl
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ATTRIBUTES	TYPE OF ATTRIBUTES:
ProjectID	PRIMARY KEY
ProjectName	SIMPLE
DeparmentID	COMPOUND

ENTITY NO 2

ENTITY NAME:	WorkOnTbl
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ATTRIBUTES	TYPE OF ATTRIBUTES:
EmployeeID	PRIMARY KEY
HoursPerWeek	SIMPLE
ProjectID	COMPOUND