
HR Management System

The system helps an organization manage employees, departments, salaries, performance evaluations, and leave requests. It simplifies administrative tasks by organizing employee-related data in a relational database. The main users are HR managers, employees, and admins.

1. Client Needs Analysis:

The client wants a reliable system to manage human resources.

The main needs are:

- Store and retrieve employee data
 - Manage departments and their members
 - Track salaries and bonuses
 - Handle employee evaluations
 - Approve and manage leave requests
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2. Users

1. Admin:

Manages system access and data, Creates departments, Adds or removes employees

2. HR Manager:

- Manages employee records ,Reviews and approves leave requests,
Oversees performance evaluations

3. Employee:

- Views personal information , Requests leave ,Views evaluations and salary
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2. Entities

Employees:

Attributes: EmployeeID, Name, Email, Phone, Address, HireDate, DepartmentID (FK)

Departments:

Attributes: DepartmentID, Name, Manager

Salaries:

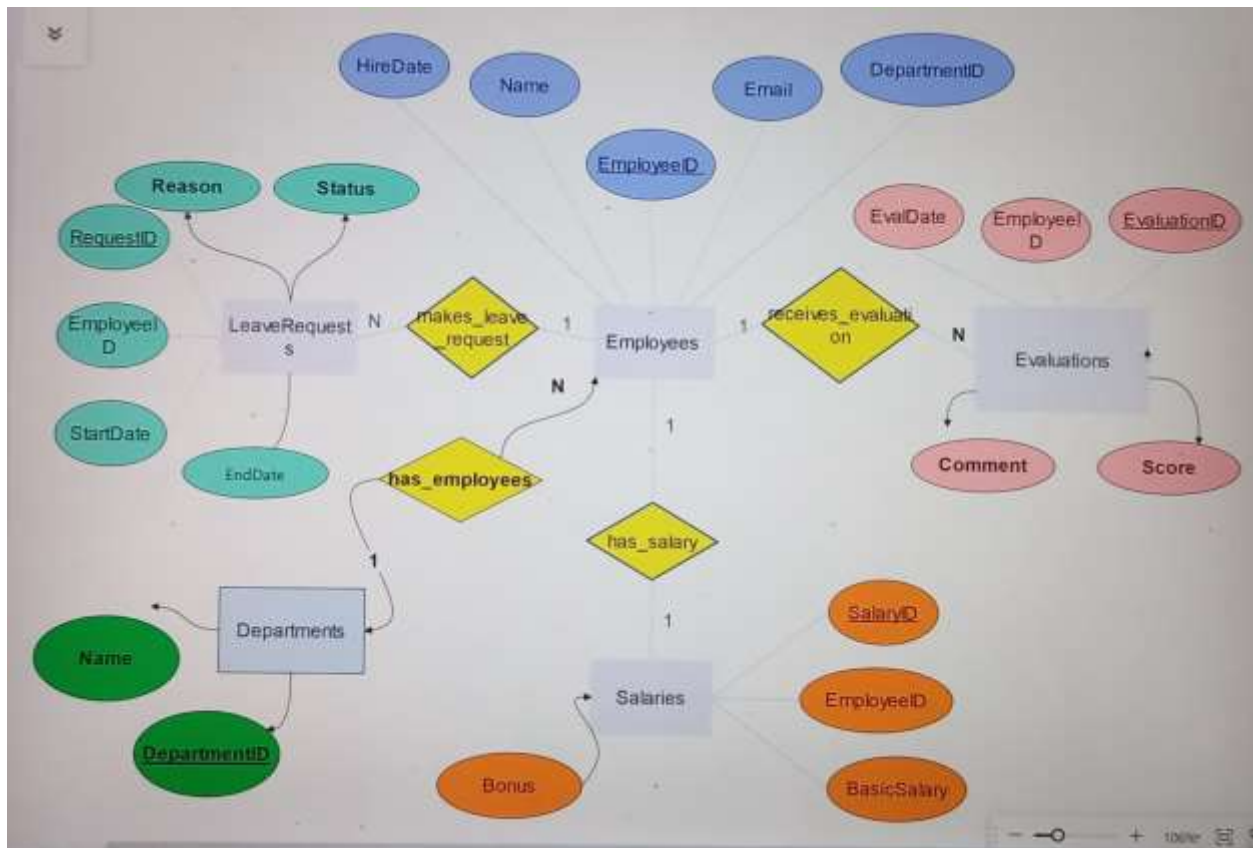
Attributes: SalaryID, EmployeeID (FK), BasicSalary, Bonus

Evaluations:

Attributes: EvalID, EmployeeID (FK), Score, EvaluationDate

LeaveRequests:

Attributes: RequestID, EmployeeID (FK), StartDate, EndDate, Reason, Status

**3. Relationships****1. Department → Employee**

- One department has many employees.
- Each employee belongs to one department.

2. Employee → Salary

- One-to-one: Each employee has one salary record.

3. Employee → Evaluation

- One-to-many: Employees can receive multiple evaluations over time.

4. Employee → LeaveRequest

- One-to-many: Employees can submit many leave requests.

Mapping

1. Tables & Keys:

Employees

- PK: EmployeeID
- Fields: Name, Email, Phone, HireDate, DepartmentID

Departments

- PK: DepartmentID
- Fields: Name, Manager

Salaries

- PK: SalaryID
- FK: EmployeeID
- Fields: BasicSalary, Bonus

Evaluations

- PK: EvalID
- FK: EmployeeID
- Fields: Score, EvaluationDate

LeaveRequests

- PK: RequestID
- FK: EmployeeID
- Fields: StartDate, EndDate, Reason, Status

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