



*database management
system*

EMPLOYEE MANAGEMENT SYSTEM

assignment-2

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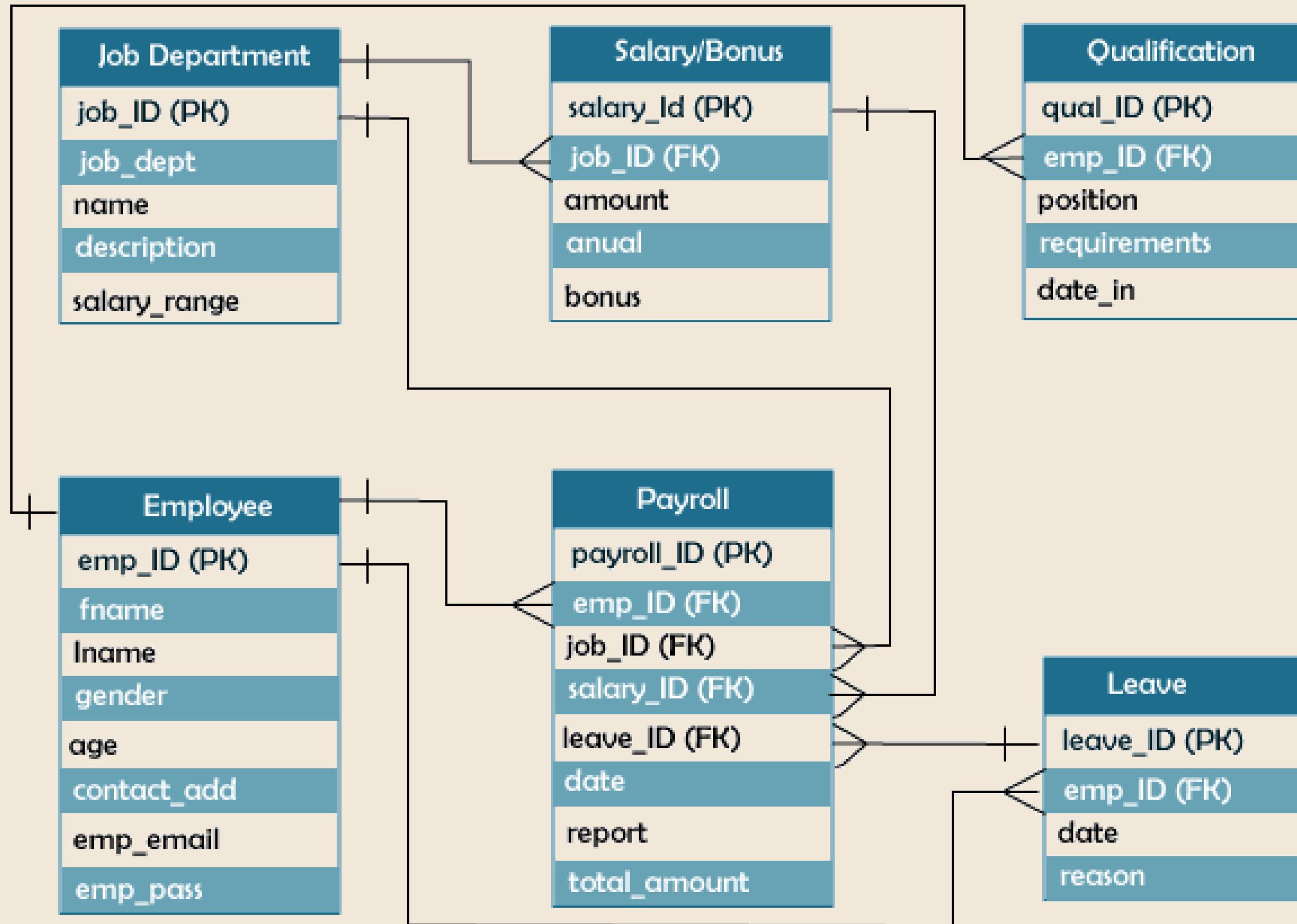


Table Name: Employee

Field	Description	Type	Length
emp_ID (PK)	Employee ID	Int	11
fname	Employee First Name	Varchar	255
lname	Employee Last Name	Varchar	255
gender	Employee Gender	Int	11
age	Employee Age	Int	11
contact_add	Contact Address	Int	11
emp_email	Employee Email	Varchar	255
emp_pass	Employee Password	Varchar	255

Table Name: Job Department

Field	Description	Type	Length
job_ID (PK)	Job ID	Int	11
job_dept	Job Department	Varchar	30
name	Job Name	Varchar	30
description	Job Description	Varchar	30
salary_range	Salary Range	Varchar	30

Table Name: Salary or Bonus

Field	Description	Type	Length
salary_ID (PK)	Salary ID	Int	11
job_ID (FK)	Job ID	Int	11
amount	Amount	Int	11
annual	Annual Expense	Date	
bonus	Bonus	Date	

Table Name: Qualification

Field	Description	Type	Length
qual_ID (PK)	Qualification ID	Int	11
emp_ID (FK)	Employee ID	Int	11
position	Position of Application	Varchar	30
requirements	Requirements	Varchar	30
date_in	Date In	Date	

Table Name: Payroll

Field	Description	Type	Length
payroll_ID (PK)	Payroll ID	Int	11
emp_ID (FK)	Employee ID	Int	11
job_ID (FK)	Job ID	Int	11
salary_ID (FK)	Salary ID	Int	11
leave_ID (FK)	Leave ID	Int	11
date	Date of Payroll Report	Date	
report	Report	Text	
total amount	Total Amount	Int	11

```

CREATE TABLE Employee (
    emp_ID INT,
    fname VARCHAR(50),
    lname VARCHAR(50),
    gender VARCHAR(10),
    age INT,
    contact_add VARCHAR(100),
    emp_email VARCHAR(50),
    emp_pass VARCHAR(50)
);

INSERT INTO Employee (emp_ID, fname, lname, gender, age, contact_add, emp_email, emp_pass)
VALUES (1, 'John', 'Doe', 'Male', 30, '123 Main St', '[email protected]', 'password1'),
       (2, 'Jane', 'Doe', 'Female', 28, '456 Elm St', '[email protected]', 'password2'),
       (3, 'Bob', 'Smith', 'Male', 35, '789 Oak St', '[email protected]', 'password3');

SELECT * FROM Employee;

CREATE TABLE Job_Department (
    job_ID INT PRIMARY KEY,
    job_dept VARCHAR(50),
    name VARCHAR(50),
    description VARCHAR(255),
    salary_range VARCHAR(50)
);

INSERT INTO Job_Department (job_ID, job_dept, name, description, salary_range)
VALUES (1, 'Engineering', 'Software Engineer', 'Develops information systems by designing, developing, and maintaining software applications.', '90000.00'),
       (2, 'Marketing', 'Marketing Coordinator', 'Supports the marketing team in planning, executing, and reviewing marketing strategies and campaigns.', '50000.00'),
       (3, 'Human Resources', 'HR Coordinator', 'Provides administrative support to the HR team in areas such as recruitment and employee relations.', '50000.00');

SELECT * FROM Job_Department;

CREATE TABLE Salary_Bonus (
    salary_ID INT PRIMARY KEY,
    job_ID INT,
    amount DECIMAL(10,2),
    annual BOOLEAN,
    bonus BOOLEAN,
    FOREIGN KEY (job_ID) REFERENCES Job_Department(job_ID)
);

```

STDIN

Input for the program (Optional)

Output:

emp_ID	fname	lname	gender	age	contact_add	emp_email
1	John	Doe	Male	30	123 Main St	
2	Jane	Doe	Female	28	456 Elm St	
3	Bob	Smith	Male	35	789 Oak st	
job_ID	job_dept	name	description			
1	Engineering	Software Engineer	Develops information systems by designing, developing, and maintaining software applications.			
2	Marketing	Marketing Coordinator	Supports the marketing team in planning, executing, and reviewing marketing strategies and campaigns.			
3	Human Resources	HR Coordinator	Provides administrative support to the HR team in areas such as recruitment and employee relations.			
salary_ID	job_ID	amount	annual	bonus		
1	1	90000.00	1	0		
2	2	50000.00	1	0		
3	3	50000.00	1	0		

```

5   FROM job_department;
6
7 CREATE TABLE Salary_Bonus (
8     salary_ID INT PRIMARY KEY,
9     job_ID INT,
10    amount DECIMAL(10, 2),
11    annual BOOLEAN,
12    bonus BOOLEAN,
13    FOREIGN KEY (job_ID) REFERENCES Job_Department(job_ID)
14 );
15
16 INSERT INTO Salary_Bonus (salary_ID, job_ID, amount, annual, bonus)
17 VALUES
18   (1, 1, 90000.00, TRUE, FALSE),
19   (2, 2, 50000.00, TRUE, FALSE),
20   (3, 3, 50000.00, TRUE, FALSE);
21
22 SELECT * FROM Salary_Bonus;
23
24
25 CREATE TABLE Payroll (
26     payroll_ID INT PRIMARY KEY,
27     emp_ID INT,
28     job_ID INT,
29     salary_ID INT,
30     leave_ID INT,
31     date DATE,
32     report VARCHAR(255),
33     total_amount DECIMAL(10, 2),
34     FOREIGN KEY (emp_ID) REFERENCES Employee(emp_ID),
35     FOREIGN KEY (job_ID) REFERENCES Job_Department(job_ID),
36     FOREIGN KEY (salary_ID) REFERENCES Salary_Bonus(salary_ID)
37 );
38
39 INSERT INTO Payroll (payroll_ID, emp_ID, job_ID, salary_ID, leave_ID, date, report, total_amount)
40 VALUES
41   (1, 1, 1, 1, NULL, '2024-04-20', 'Monthly salary payment for April 2024', 90000.00),
42   (2, 2, 2, 2, NULL, '2024-04-20', 'Monthly salary payment for April 2024', 50000.00),
43   (3, 3, 3, 3, NULL, '2024-04-20', 'Monthly salary payment for April 2024', 50000.00);
44
45 SELECT * FROM Payroll;
46
47

```

STDIN
Input for the program (Optional)

qual_ID	emp_ID	position	requirements			
1	1	Software Engineer	Must have experience in software c			
2	2	Marketing Coordinator	Must have experience in marketing			
3	3	HR Coordinator	Must have experience in HR function			
job_ID	name	description				
1	Software Engineer	Develops information systems by designing, c				
2	Marketing Coordinator	Supports the marketing team in planning, exe				
3	HR Coordinator	Provides administrative support to the HR te				
salary_ID	job_ID	amount	annual	bonus		
1	1	90000.00	1	0		
2	2	50000.00	1	0		
3	3	50000.00	1	0		
payroll_ID	emp_ID	job_ID	salary_ID	leave_ID	date	report
1	1	1	1	1	2024-04-20	Monthly sa
2	2	2	2	2	2024-04-20	Monthly sa
3	3	3	3	3	2024-04-20	Monthly sa

DONE BY

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