



Modified Entity-relationship model:

Entities:

Position, Employee_Position

Attributes:

Position: id(key), name, description

Employee_Position: employee_id, position_id, project_num

Relationships:

- Employee_Position has Position: many-to-many, an employee can have many positions and positions can be given to many employees
- Employee_Position has Project: many-to-many, an employee can have many projects and a project can have many employees
- Employee works on Employee_Position: 1-to-many, optional for Employee to have positions and work on projects (ex: they might be a manager), required for Employee_Position