

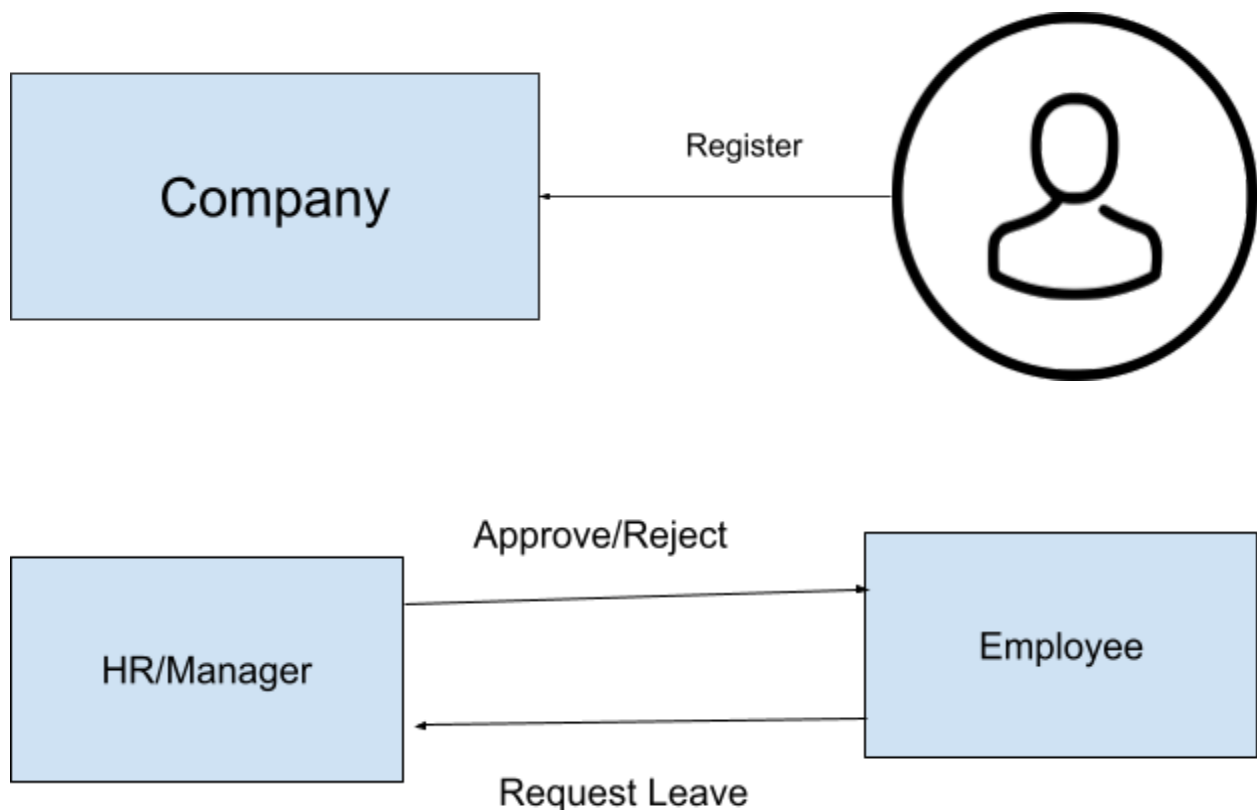
Employee Leave Management System DB Schema

Use case : An employee leave application system is a computer program used to keep track of employee absences and requests for leave.

Scope : So from a leave management system we want it to store all the leaves taken by any employee and can request leave from the same portal and the admins like HR and Managers can approve leave for the employee under them.

Goal of Schema : Goal is to generate a simplified schema to over which all the operations can be done

1. First Goal is to register an employee or edit details to the company.
2. Second is he can apply for leave



Tables used :

1. Departments : Different departments of company

Dept_id (bigint) : unique id for departments

Dept_name : name of department

Dept_desc : description of department

2. Designation : post of different departments

designation_id : big int

designation_name : name of designation

designation_desc : about the designation

3. Gender : Gender table

Gender_id : int primary key

Gender_name : value of Gender

4. Status : Status of any operation table

Status_id : int primary key

status_value: status name

5. leave_type : this table is to declare all types of leave available for the employees

Leave_id : primary key of each type of leave id

Leave_type : name of leave

Leave_desc : about the leave

Number_of_days_allowed : number of days allowed for the leave

6. Employee : About the whole description of employee

Emp_id : primary key

Emp_id(bigint) : for unique identification of employee

First_name : first name of employee

Last_name : last name of employee

Age : age of employee

Gender_id ; references to the gender

EmailId : mail of employee

Mob_no : mobile number of the emoloye

Dept_id : refrenceing to the dept they belong

Designation id : for refrencing to the designation they belong

7. **Admin_users** : This table is to check which employees has the authority to give and manage leaves.

User_id (bigint) for giving primary key to each user

Username(varchar) for login

Password (varchar) for login

Employee_id : for referencing to the employee

8. **leave_application** :

Application_ref_id : primary key of application

Admin_emp_id : referencing to the admin emp asking for leave

Leave_type_id : id of category of leave

Date_of_application : applied date of leave

Attachments : attached documents for leave

Leave_status : status of leave 0 for denied 1 for pending and 2 for passed

Date_of_approval : approval date

Message_by_admin : remarks by the admin

9. **employee_applications** : this table is to reference to all the application applied by different employees it

Id : working as primary key for table

Employee_id : id of employee applied leave

Application_ref_id : id of application employee has applied through

Status_id : referencing to the status table

Date_of_app : date of the application