

## INTRODUCTION

Employee management system is developed in PHP and MySQL. It helps to manage the list of employees in a company or an organization. It also contains the trainings attended by each employee. Employee is the backbone of a company so employee management system is very helpful system for an organization or company. This system also manage the company employee details like their attendance, their performance, salary details, leave details. Here in this system, if employees salary is done then a message or mail will be sent to his mobile or id. Even if the employee takes a leave then this system will deduct a one day leave from his casual or sick leave. When the employee opens his computer, the attendance will be marked automatically using this system. Employee can also take his leave in the system, if the employee needs leave for few days. Company owner can increment the employees salary using this system.

## OBJECTIVE

In this world of growing technologies everything has been computerized. With large number of work opportunities the human workforce has increased. Thus there is a need of a system which can handle the data of such a large number of employees in an organization. This project simplifies the task of maintaining records because of its user friendly name.

## SCOPE

Employee can also view their salary details, attendance, leave details and his personal information. Anyone can use this system in their company. Employees, they play a major role in deciding the success of company or organization.

Employee management system is to use easy for the employer to keep a track all the records. This system provides all the information about employees like seniority, leave records, Transfer and postings and other basic information of employee.

## SOFTWARE REQUIREMENTS SPECIFICATION

Payroll system is the heart of any human resource system of an organization. The solution has to take care of the calculation of salary as per rules of the company, income tax calculation and various deductions to be done from the salary including statutory deductions like income tax and provident fund deductions. It has to generate pay-slip, cheque summary and MIS reports.

It is understood that we are tired of managing thousand of odd papers, pay slips, payroll reports, and salary details and so on. Imagine that we have a payroll processing system which will generate our pay slips and payroll reports within seconds. We can help others automated your payroll system by developing a customized payroll application that suits your specific requirements.

Main aim of developing employee payroll management is to provide an easy way not only to automate all functionalities involved managing leaves and payroll for the employees of company, but also to provide full functional reports to management of company with the details about usage of leave facility.

The proposed system is not a freeware and due to the usage of swings, becomes user interactive.

- The project demand a page of employee details that include:
  - Employees personnel detail.
  - Employees salary, allowances, deductions.

## HARDWARE REQUIREMENTS

The Hardware Requirements for this system are tabulated as follows:

Hardware	Minimum Requirements
Computer	Intel® or compatible pentium 333 MHZ or higher.
Memory (RAM)	64 MB minimum; 128MB Recommended.
Hard disk space.	1GB for the database and the client software. This requirement may increase with the increase in records.
Monitor	VGA or higher resolution. 800x600 or higher resolution required for the SQL Server graphical tools.
Pointing device	microsoft Mouse or compatible.
CD - ROM drive	Required for installation purposes only. During the life time of this software it is not at all required. However, it is recommended to use CD-RWs to take periodical backups.

## ER DIAGRAM

- \* The entity Relationship Diagram represents the model of Employee management System Entity.
- \* The entity Relationship Diagram of Employee Management System shows all the visual instrument of database tables and the relations between Salary, Experience, Employee, Attendance etc.
- \* It used structure data and to define the relationships between structured data groups of Employee management System functionalities.
- \* The main entities of the Employee management System are Employee, Salary, Leaves, Experience, Login and Attendance.

## EMPLOYEE MANAGEMENT SYSTEM ENTITIES AND THEIR ATTRIBUTES.

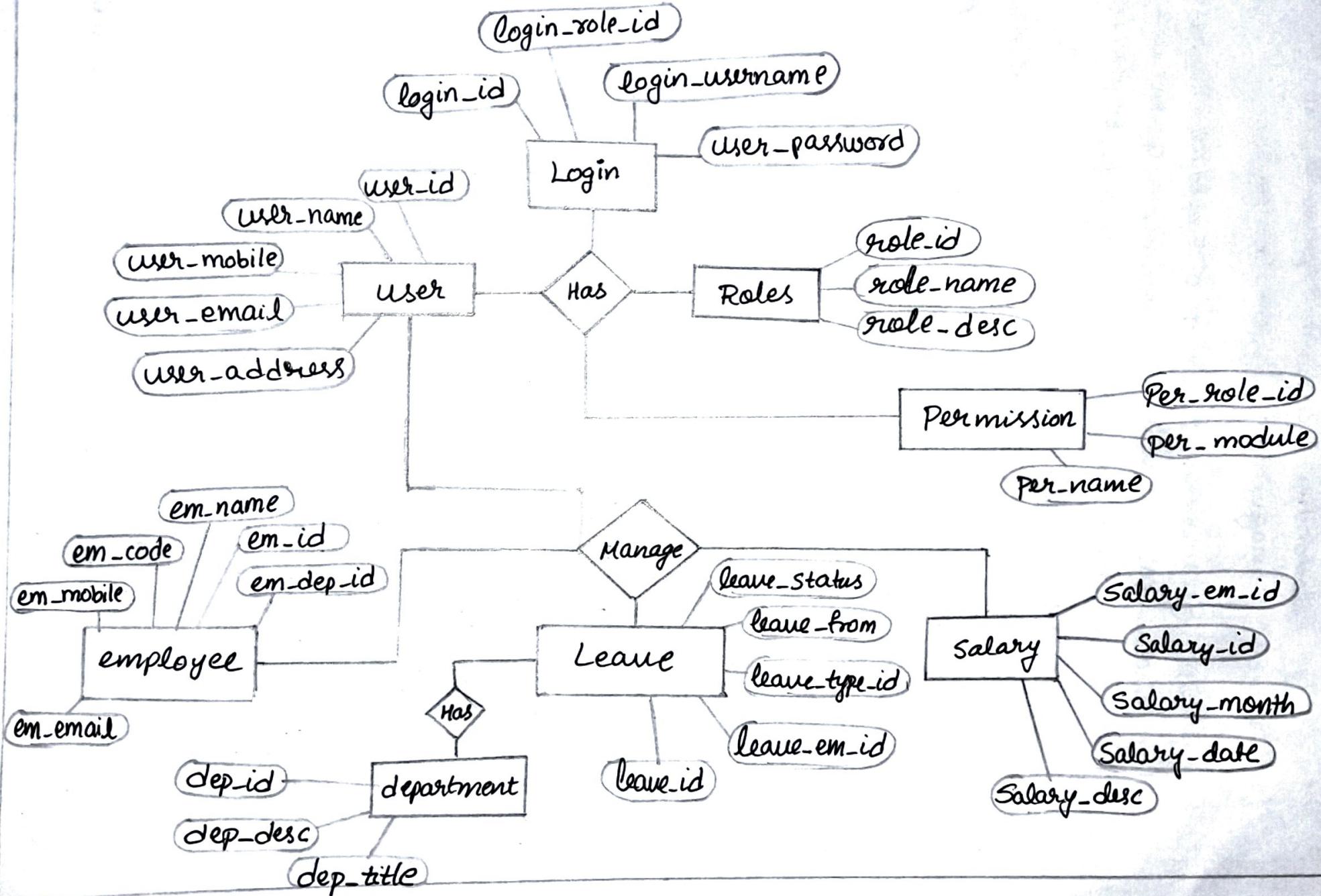
- \* EMPLOYEE ENTITY : Attributes of Employee are employee-id, employee-name, employee-mobile, employee-email, employee-username, employee-address, employee-password.
- \* SALARY ENTITY : Attributes of Salary are salary-id, salary-employee-id, salary-amount, salary-total, salary-type, salary-description.
- \* LEAVES ENTITY : Attributes of Leaves are leave-id, leave-employee-id, leave-type, leave-status, leave-to, leave-from, leave-description.

- \* EXPERIENCE ENTITY: Attributes of Experience are experience-id, experience-employee-id, experience-year, experience-type, experience-description.
- \* LOGIN ENTITY: Attributes of Login are login-id, login-user-id, login-role-id, login-username, login-password, login-lastlogin.

- \* ATTENDANCE ENTITY: Attributes of Attendance are attendance-id, attendance-employee-id, attendance-student-id, attendance-type, attendance-description.

#### DESCRIPTION OF EMPLOYEE MANAGEMENT SYSTEM DATABASE

- \* The details of Employee is stored into a Employee tables respective with all tables.
- \* Each entity contains primary key and unique keys.
- \* The entity Leaves, Login has binded with Employee, Salary entities with foreign key.
- \* There is one-to-one and one-to-many relations available between Login, Experience, Attendance, Employee.
- \* All the entities Employee, Login, Leaves, Attendance are normalized and reduce duplicacy of records.



## SOFTWARE REQUIREMENTS

- \* Operating System - Windows XP professional
- \* Developing Language - JAVA (jdk-5) a
- \* DATABASE - Microsoft ~~SQL SERVER~~ Mysql

## TOOLS

- \* Front End : Java is used as a programming language. It is easy to use, flexible and efficient.
- \* Back End : Microsoft Sql Server is used for the database.
- \* Java "Frames" Concept is used to develop the 'Front-End' of this software.  
There are frames in this Software in which the Company proprietor can insert | Delete | retrieve the data of the Employees.
- \* "Oracle DataBase 11g Express Edition" is used to develop the 'Back-End' of this software.  
There are tables stored in the database with respect to this project and the database is connected to the respective Java "Frames". whenever the proprietor does some Data insertion / deletion, that changes will be maintained in the database regularly.