A Project Report on

"EMPLOYEE MANAGEMENT SYSTEM WITH MYSQL IN JAVA"

SUBMITTED BY

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Project Overview

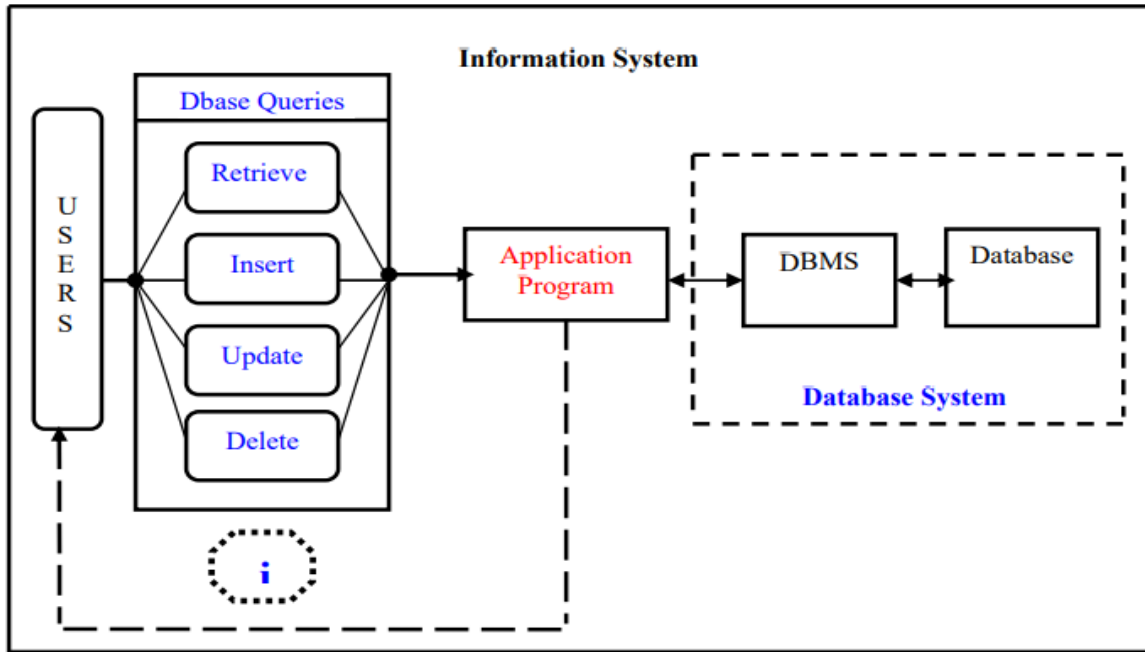|	
Project Name:	Employee Management System
Language used:	Java
IDE:	Intellij Idea Professional
Java Version:	Java SE 18.0
Database:	MySQL
Type:	Desktop Application

1. Intoduction

Employee Management System is to allow the administrator of any organization to edit and find out the personal details of an employee and allows the employee to keep up to date with his profile. It'll also facilitate keeping all the records of employees, such as their personal details, id, name, mailing address, phone number, DOB, work exp etc. So, all the information about an employee will be available in a few seconds.

Most of the contemporary Information systems are based on the Database technology as a collection of logically related data, and DBMS as a software system allowing the users to define, create, maintain and control access to the database.

The process of constructing such kind of systems is not so simple. It involves a mutual development of application program and database. The application program is actually the bridge between the users and the database, where the data is stored. Thus, the well-developed application program and database

Admin can see all detail in brief like Total Registered Employees, Total Listed Departments, Total Leave Type, Total Applied Leave, New Leave Request, Approved Leave Request, and Rejected Leave Request.
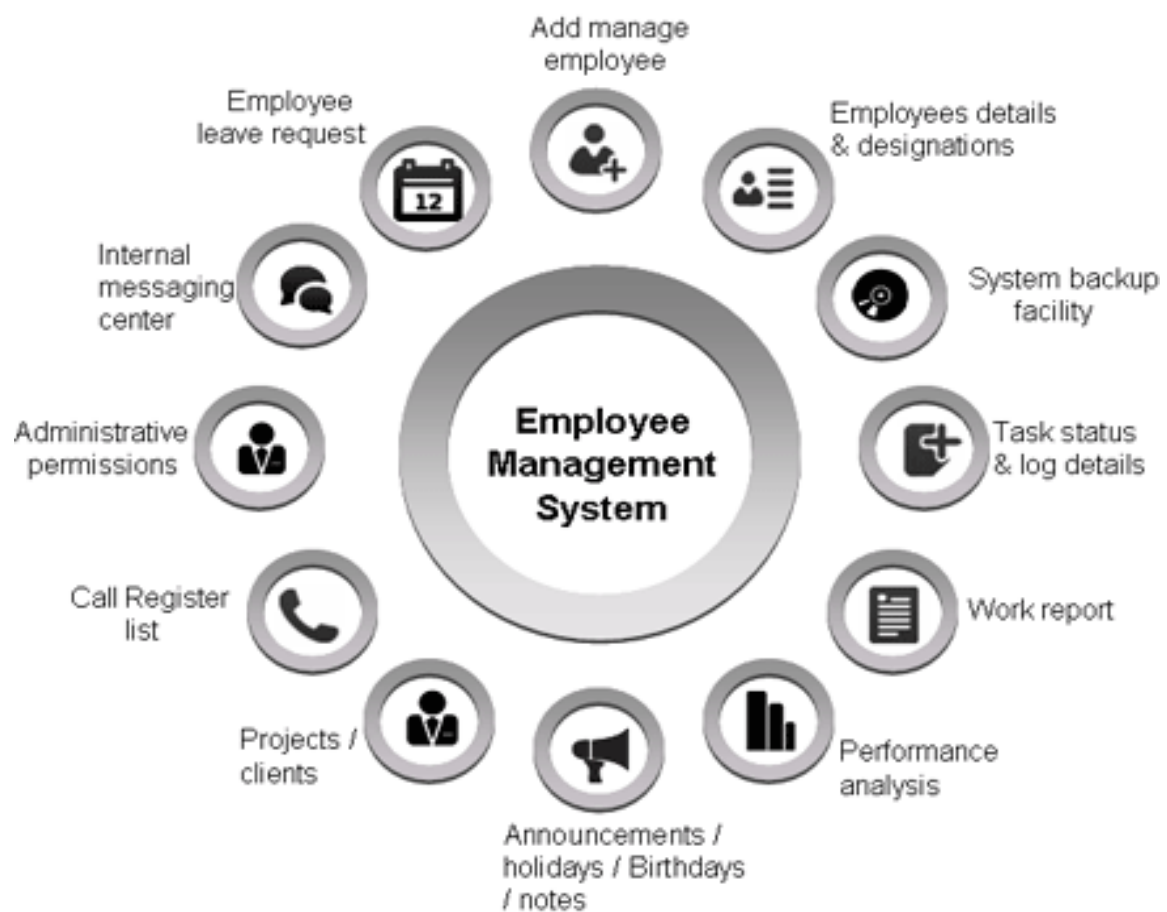
Fig. Database information system.

1.1 Scope of the project

For all the s/w there is always a scope of future enhancements. There are few enhancements which are pointed out in the proposed system. There are as follows

- Module for Employee Loan.

- Modules for proper arrangement of attendance of employees.

- Introducing online version of the Software.

- Introducing Software for Employee side also.

- More proper salary calculations based on version factors

1.2 Objective of Project

➢ Time and Cost Effective – Software is making the process of keeping database time and effective by making it easy to alter or update database and also keeping the safe.

➢ Database Creation – A database of the registered users will be created and this will help the user to fetch the details of Computer Centre.

➢ Flexibility – Database provides flexibility to administrator. Record can be insert, delete or updated with just a click.

➢ Informative – The software has all the necessary details about the Students and Course and provides all the relevant information therefore. For example, searching of appropriate Student for like admission and then the information of admission is added to Student records.

➢ Security – Proper authorization and authentication provisions have been made for the security of the software so that only the registered administrators can look the information. Without proper login no one is allowed to access this software.

Welcome to Employee Management System

- View all employees
- Add an employee
- Edit an employee
- Delete an employee
- Exit

Add manage employee

Employee leave request

Employees details & designations

Internal messaging center

System backup facility

Administrative permissions

Employee Management System

Task status & log details

Call Register list

Work report

Projects / clients

Performance analysis

Announcements / holidays / Birthdays / notes

2. Existing System

- ➢ Complicated searching, editing & updating.

- ➢ The records are maintained in registers.

- ➢ Time consuming process.

3. Proposed System

- ➢ Easy calculation of various leave in categories.

- ➢ Create new users to the system accordingly.

- ➢ Easy attendance marking.

- ➢ Computerized events & requests management.

- ➢ Helps in maintaining the computerized employee details.

- ➢ Calculate the salary

4. System Requirements

Hardware Required:

- Processor- AMD Ryzen 5 5500U

- RAM – 8GB

- Hard Disk- 50GB

- Input Device -Keyboard, Mouse

- Output Device- Monitor Laptop

Software Required:

- Platform - Windows 10

- Application Tool - Eclipse & SQLyog

5. **Modules**

An Employee's Management System (EMS) is a software built to handle the primary housekeeping functions of a company. EMS help companies keep track of all the employees and their records. It is used to manage the company using computerized system.

Aim of Employee's Management System:

- Built The Employee Table.

- Insert New Entries.

- Delete The Entries.

- Search A Record.

Data of the Employee's:

- Name

- Employee ID

- Designation

- Experience

- Age

6. **Features**

- Adding employee details

- View employee details

- Update employee details based on id

- Delete employee details

- Absence & Leave Management

- Security and Data Protection

- Employee database management

7. Advantages

- Avoid data manipulations

- More efficient & reliable

- Provide computerized system for maintaining records

- Less time consuming and easy to use

- Avoid human errors & efforts for maintaining daily data.

- Huge data storage.

8. Conclusion

In this report, an information system's development has been presented. It was emphasized on the basic steps, consequently taken during the project's development course as a particular attention was turned to the basic operative functions performed upon the data into the database.

The report's content comprises the whole task solution, starting from the programming environments have been selected, going through the database, the applications analyse and construction, and finishing with the code-implementation.

As a future work, some additional stuff could be implemented and integrated into the application code.

9. References

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