

## Contents

Introduction .....	2
Background: .....	2
Block Diagram .....	3
Methods.....	3
Software Environment.....	4
Software Requirements .....	4
Hardware Requirements.....	4
Implementation.....	5
Application Screenshots .....	5
Main Page:.....	5
Add Employee .....	6
Add Leaves .....	7
Add Salary .....	8
Add Loans .....	9

# Employee Management System

---

## Introduction

Employee management is a simple database management system designed using Java and MYSQL database server. This is a development presentation of an information system for managing employee data in a small business or organization is included in this report. The system in its current form is known as the Employee Management System. It consists of a database and graphical user interface (GUI) that are functionally related.

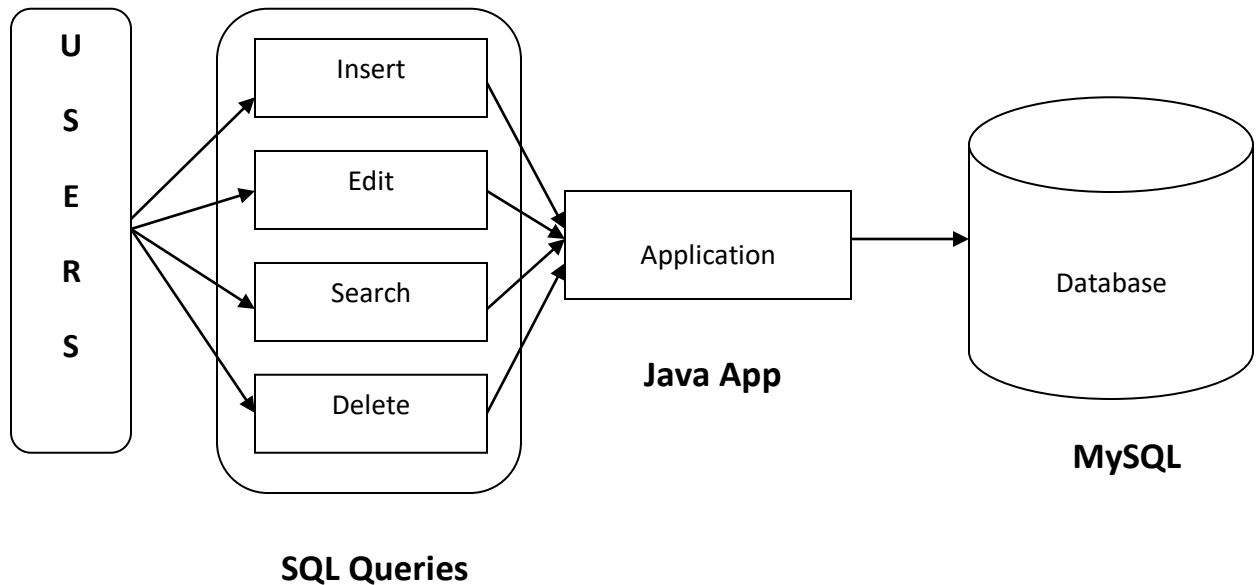
**Keywords:** Information system, Database system, DBMS, Java Employee management, Java MySQL Database management.

## Background:

As a collection of logically related data and a software system that allows users to define, create, maintain, and control access to the database, the majority of modern information systems are based on Database technology.

The construction of such systems is not an easy process. The database and application program are jointly developed. In reality, the application program serves as a link between the database and the users. As a result, the system's dependability, adaptability, and functionality are heavily dependent on the database and well-developed application program.

## Block Diagram



## Methods

At the very commencement, I proceeded to a decision to carry out the development of my task into the following steps:

1. Exploring the available development environments and techniques.
2. Database Analyzing.
3. Database design and Implementation.
4. Program's Structure Analyzing.
5. GUI (Graphical User Interface) constructing.
6. Bringing all the stuff together (controls data binding and functions implementation).
7. Tests.

## Software Environment

### Software Requirements

- Programming Language : Java
- Database : MySQL
- IDE : Netbeans
- API : MySQL connector.jar

### Hardware Requirements

- RAM : 8GB Above
- OS : Windows 8 above
- Hard Disk : 20GB

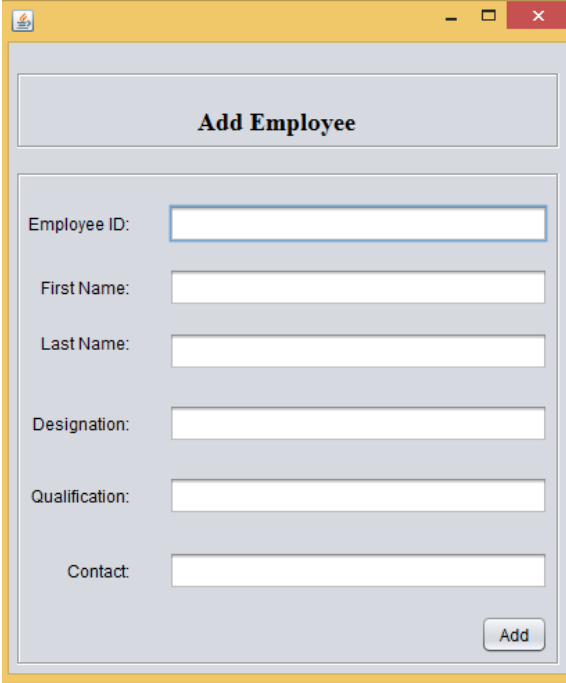
## Implementation

### Application Screenshots

Main Page:



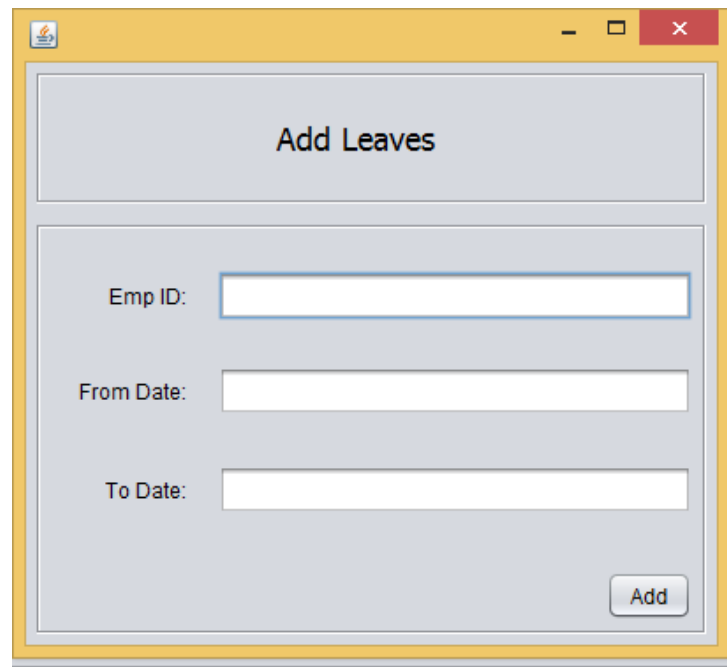
## Add Employee



A screenshot of a software window titled "Add Employee". The window has a yellow title bar with standard Windows controls (minimize, maximize, close). The main content area is light gray and contains a form with six input fields and an "Add" button. The fields are labeled "Employee ID:", "First Name:", "Last Name:", "Designation:", "Qualification:", and "Contact:". The "Add" button is located at the bottom right of the form area.

Add Employee	
Employee ID:	<input type="text"/>
First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Designation:	<input type="text"/>
Qualification:	<input type="text"/>
Contact:	<input type="text"/>
<input type="button" value="Add"/>	

## Add Leaves



A screenshot of a software window titled "Add Leaves". The window has a yellow title bar with standard Windows controls (minimize, maximize, close). The main content area is light gray and contains three input fields stacked vertically, each with a label to its left: "Emp ID:", "From Date:", and "To Date:". Each input field is a white rectangle with a thin blue border. In the bottom right corner of the main content area, there is a small, light gray button with the text "Add".

Add Leaves

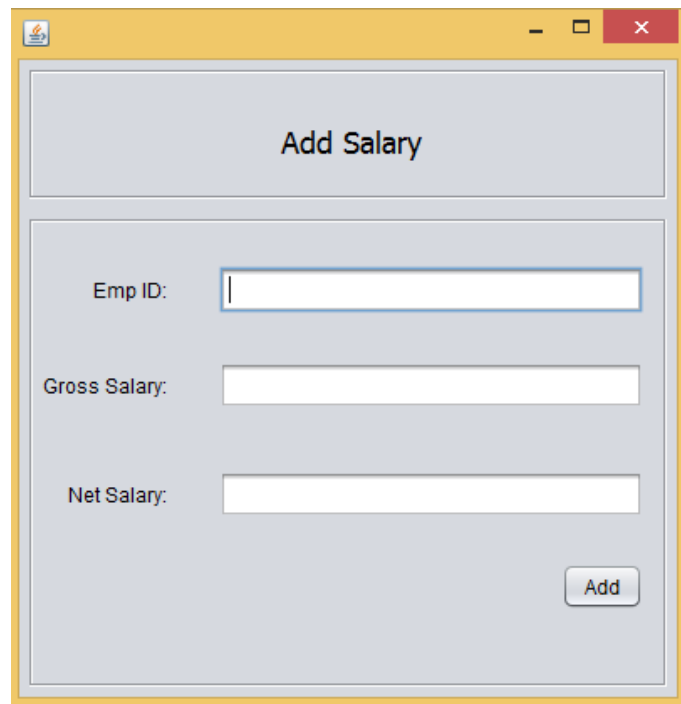
Emp ID:

From Date:

To Date:

Add

## Add Salary



A screenshot of a software window titled "Add Salary". The window has a yellow title bar with standard minimize, maximize, and close buttons. The main content area is light gray and contains three input fields and an "Add" button. The first field is labeled "Emp ID:" and is empty. The second field is labeled "Gross Salary:" and is empty. The third field is labeled "Net Salary:" and is empty. The "Add" button is located at the bottom right of the form area.

Add Salary

Emp ID:

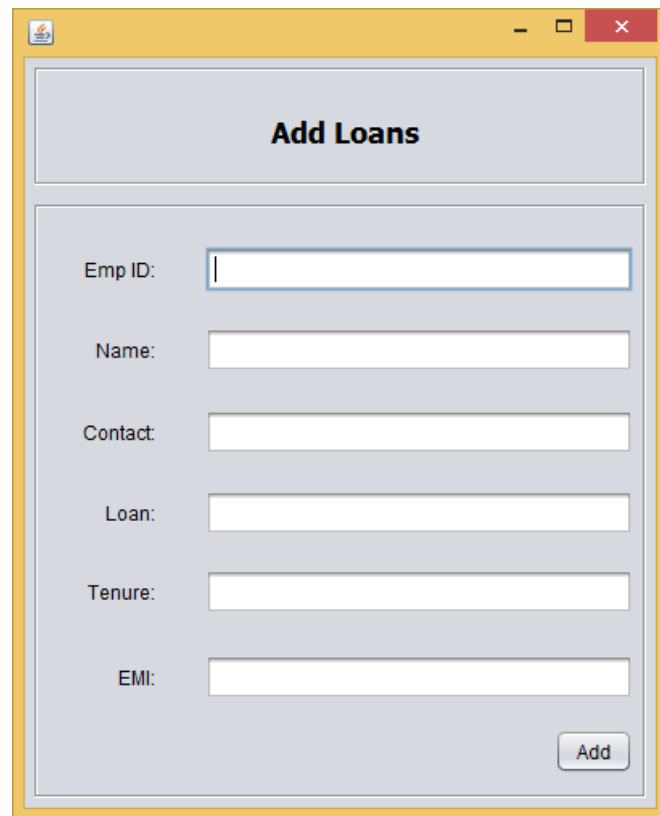
Gross Salary:

Net Salary:

Add



## Add Loans



A screenshot of a web application window titled "Add Loans". The window has a yellow title bar with standard minimize, maximize, and close buttons. The main content area is light gray and contains a form with the following fields:

- Emp ID:** A text input field with a blue border.
- Name:** A text input field.
- Contact:** A text input field.
- Loan:** A text input field.
- Tenure:** A text input field.
- EMI:** A text input field.

An "Add" button is located at the bottom right of the form area.

## Reference

- [1]. <https://lnu.diva-portal.org/smash/get/diva2:204828/FULLTEXT01.pdf>