**Employee Management System**

**Overview**

The Employee Management System is a Java-based desktop application that allows organizations to manage employee details efficiently. This application is built using Java Swing for the GUI and MySQL for the database. It provides functionalities to add, view, update, and delete employee records, making it easy to manage employee information in a structured and organized manner.

**Features**

* Add Employee: Add new employee details, including personal information, contact details, and job-related information.
* View Employee: View the list of all employees stored in the database.
* Update Employee: Modify existing employee details.
* Delete Employee: Remove an employee from the system.
* Search Employee: Search for an employee by their ID or name.

**Technologies Used**

* Java: Core programming language used to develop the application.
* Swing: Java's GUI toolkit used to create the user interface.
* MySQL: Relational database management system used to store employee data.
* JDBC: Java Database Connectivity used to interact with the MySQL database.
* Toedter Calendar: A Java date picker library used for selecting employee birth dates.

**Prerequisites**

Before running the project, ensure you have the following installed:

* Java JDK 8 or higher
* MySQL Server
* A MySQL client (like MySQL Workbench)
* Any Java IDE (like IntelliJ IDEA, Eclipse, or NetBeans)

**Usage**

* Add Employee: Click on the "Add Employee" button in the main menu to open the form. Fill in the employee details and click "Add Details" to save the information to the database.
* View Employee: Click on the "View Employee" button to see a list of all employees stored in the database.
* Update Employee: Select an employee from the list and modify their details as needed.
* Delete Employee: Select an employee from the list and click "Delete" to remove their record from the database.
* Search Employee: Use the search bar to find employees by their ID or name.

Error Handling and Validation

* The application includes input validation for fields such as phone numbers, email addresses, and Aadhar numbers.
* Error messages are displayed using JOptionPane dialogs to ensure the user is aware of any incorrect inputs or issues during data entry.