# Implementation of PPDV College Employee Management System using Java

**Maddala Prashanthi[1], P. Vamsi Krishna[2], C. Yaswanth Chowdary[3]**

[1]Assistant Professor, [2,3]Student,

[1,2,3]Department of Computer Science and Engineering, JNTUK University College,
PPDCET, Vijayawada, Andhra Pradesh, India

## ABSTRACT
The PPDV College Employment System implementation is a distributed software designed to enable continuous execution of employee information in any company. Additionally, we provide information regarding the personal data of our staff. An application is obviously a set of programs developed using Java. It is easy to recognize and can be used even by people who are not familiar with Easy Personal devices. It is very user-friendly and encourages users to observe step-by-step operations by providing several options. It's extremely fast and can handle many of your company's tasks. This software package is powered by the effective coding equipment of JAVA on the front-end and Square Server on the back-end. The software can be very user friendly. The package contains its own modules such as employee details. This software model follows a multi-consumer approach. We can further expand or improve the bundle by taking user feedback into account.

*Keywords: JDK, SQL, JFrame, IDE*

## I. Introduction:
PPDV College Employment System is an application that allows users to create and store employee records. This application helps the departments of the organization to manage the data of the employees related to the organization. This is a very simple application that is easy to understand and provides information about each step. It is a platform independent language. The applications you create can be used on both standalone computers and distributed networks. Additionally, applications developed in Java can be extended to Internet-based applications. Therefore, Java was chosen as the background for designing this application. Java's old name started with Oak, meaning Oak, and James Gosling at Sun Microsystem Inc. called it Java in 1995. Java is an object-oriented language that is platform independent, robust, secure, and highly capable. Performance and dynamic programmable languages. Different versions of Java are released every six months. JVM is a software implementation program

## II. RELTED WORK
I am working on 10 research papers. Receive information. Employee management system includes operations like adding new employees to the database, updating existing employees, deleting employees, retrieving all employee data in table format, the last step is Delete all employees. This article provides detailed information about EMS apps and employee management systems such as EMS. Primarily, this Spring Boot web application processes employee data and performs various operations on each employee record in the database.

## III . EXISTING SYSTEM
The problem definition for planning framework is to keep workers informed, create a simple worker management unit, isolate occupations and worker access management, and ensure accuracy through complete protection and access to locations. and utilize innovation to achieve ideal processing. The company's goal is to establish an employee data framework for employee representative status and

engagement, monthly compensation interactions and submissions. Eliminate or reduce the difficulties of existing systems as much as possible and avoid information input errors. Under the existing strategy, representative management employee data is kept up-to-date as a record. It's a manual cycle.

## IV. PROJECT OBJECTIVE

In this technologically advanced world, everything is computerized. The number of human workers is also increasing due to the abundance of employment opportunities. You need a system that can handle the data of such a large number of employees in your organization. Paper data takes up physical space, is difficult to handle, and can be easily damaged or lost if mishandled. This project is easy to use and simplifies the task of record keeping.

## V. PROPOSED METHOD

This part extends the work done in the analysis part and provides documentation for the design of a representative management system. EMS is presented in the form of articles and classes that show how they work together. The clarification of the proposed framework and the design of the Entity-Relationship Diagram (ERD) have been completed. It also describes the structure of the user interface. This framework is responsible for managing data about representatives and therefore their personal profiles. This framework provides an in-depth review of tasks from creation to completion, from management leave requests to approval/rejection of leave requests, and all employee projects, with an in-depth review of tasks from creation to completion and review of dynamic and dormant representatives. associated with training to support.
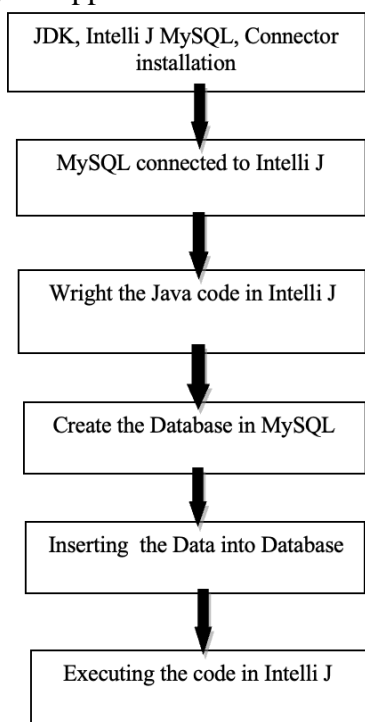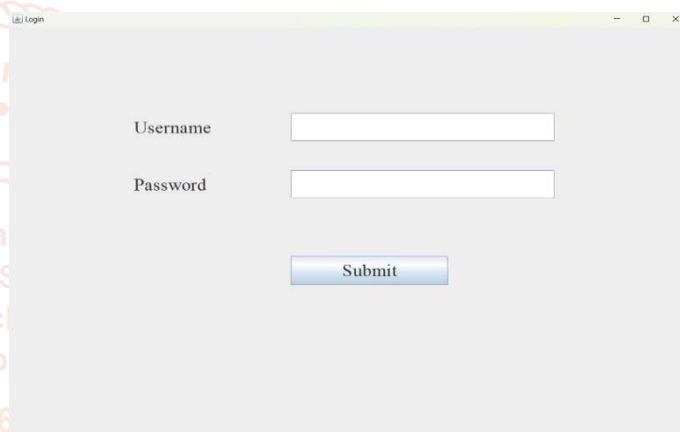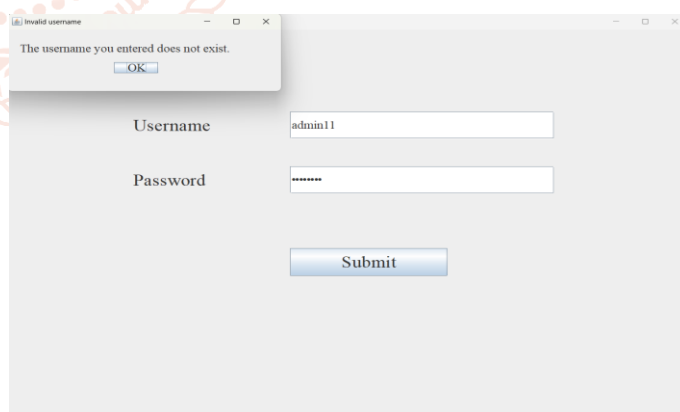


**Fig:5.1 Flow Chart**
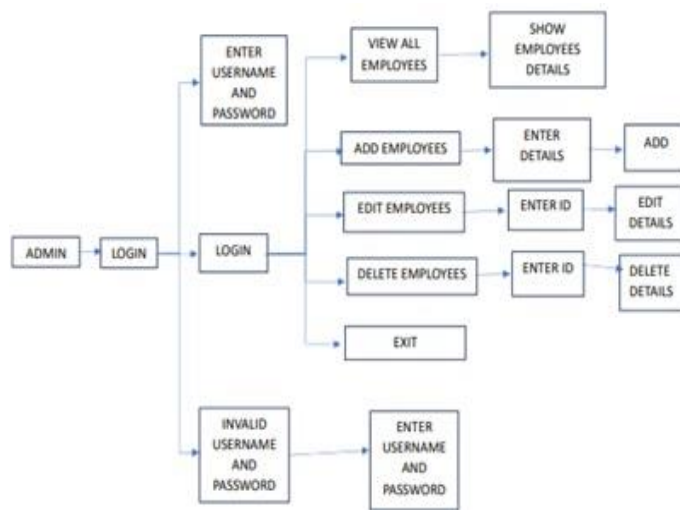


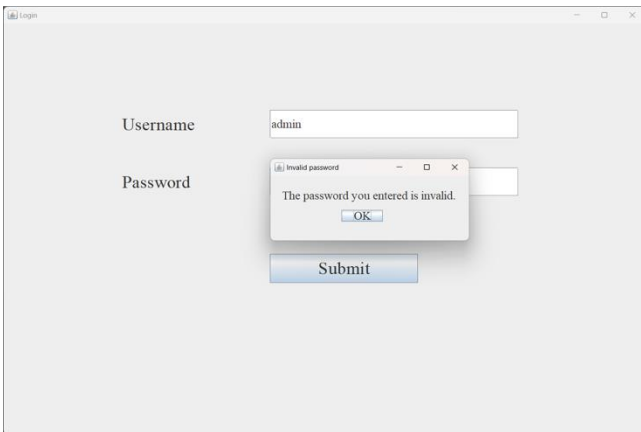**Fig:5.2 Block diagram**

## VI. RESULT&ANALYSIS

This project uses personal employee data to implement the university's own employee data into the application.
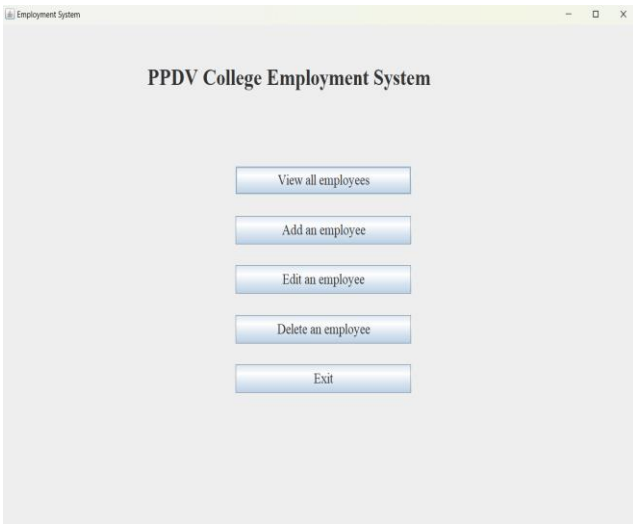


**Fig:6.1 Login Page**
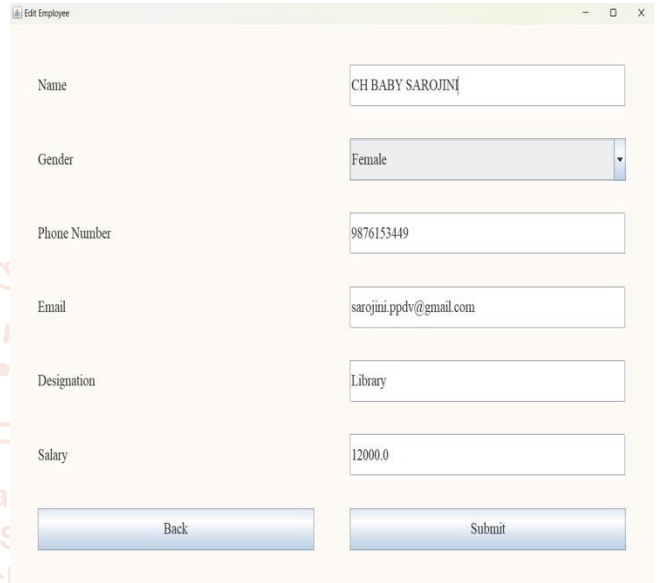


**Fig:6.2 Invalid Username**

**Fig:6.3 Invalid password**



**Fig:6.4 After admin login**



**Fig:6.5 View Employee Details**



**Fig:6.6 To Add Employee Details**
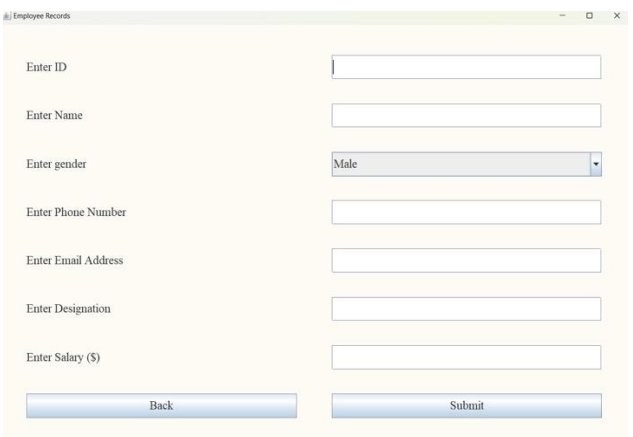


**Fig:6.7 Enter Employee ID**



**Fig:6.8 Edit Employee Details**
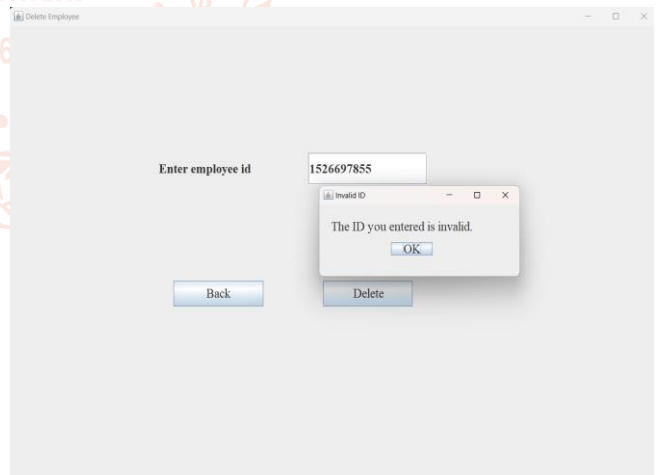


**Fig:6.9 Delete Employee ID**

When you delete employee, an invalid employee ID appears. Let's delete the top record transferred as Transferred Employee or Terminated Employee.

1. Delete the employee record by entering the unnecessary employee ID.

2. Deleted!

## VII. ADVANTAGES

- Increased efficiency
- Improved communication
- Better data management
- Reduced costs
- Increased productivity
- Improved morale

## VIII. DISADVANTAGES

- Complexity
- Training
- Security

## IX. CONCLUSION

An efficient employment system is the basis of a company's success. Streamline various HR functions such as recruiting, onboarding, performance reviews, and talent management to optimize processes and save time. Through the use of technology, these systems enable seamless communication regardless of geographic barriers and improve collaboration between teams. It also provides valuable data insights to help with strategic decision-making, workforce planning, and identifying areas for improvement. Additionally, by automating mundane tasks, these systems free up HR professionals to focus on more strategic initiatives that promote employee health and retention. Ultimately, a robust employment system ensures a harmonious work environment, empowers employees and strengthens a company's competitive advantage in the market.

## FUTURE IMPLEMENTATION

In future we are adding authentication like biometric and face recognition and eye raise those all implementation possible in future we need the requirement of number of days and research work in case the present project work approval with real time application so we are ready with working in future Implementation

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