

Employee Management System Proposal

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Problem Statement

In the current system, a human resources employee needs to have the ability to change an employee's job location and have the employee be placed in the proper table in the database without having to make any additional changes. The employee must also be able to see who made any recent changes to the database to determine if any additional changes need to be made. The system should provide the employee with better ease of access to all employee files from one page.

System Requirements

The objective of this system is to provide HR employees the ability to gather and change information on employees from one page. The employee should be able to make the changes in a window and those changes will be implemented into the database without needing to access the database directly. The system would require authentication from the employee in order to make the changes through the system and the changes made will show who made those changes through the system.

- Users can make changes to database without directly accessing the database.
- Users can pull employee records and history through the system page.
- Users can login to the system using their employee ID and password.
- System can only be accessed by upper management and HR employees.
- All necessary information can be accessed from one page in system.
- Allows HR employees to create new employees or assign employees to different job sites.
- Allows HR to change employee pay

Customers

The customers for this system would be mid to large size businesses that have an HR department that handles between 500-1500 employees. The system would primarily be used by the HR department and would not be accessible to any other employees besides HR and upper management. Customers would need to be in need of a system that doesn't have direct contact with their databases but does have a system that interacts and manipulates the database.

Project Planning

Software:

-Front-end: Angular

-Back-end: Java

-Database: MySQL

Hardware: PC and possible server depending on size of the company

Network: No speed or cable requirements unless the use of a server is needed.

Plan of Work

Week 1 & 2: Determine which framework to use and establish front-end, back-end, and database connections.

Week 3-4: Build front-end of system. Create the system that the customers will see.

Week 5-7: Begin adding functionality through back-end implementation. Add features for HR employees to create reports, add employees, search employees, remove employees, move employees, log in, and view who made changes.

Week 8: Test features and record demo

Week 9-11: Improve features for HR employees based on feedback from customers. Add functionality for managers. View reports created by HR employees as well as make any changes that HR employees can make.

Week 12-14: Begin work on test cases for all features and make necessary changes in order to improve the system based on the result of the test cases.

Week 15: Record final presentation.