Employee Management System Proposal

INFO C451, FA24

Katie DeLucio

Problem Statement

Employers can find it challenging to maintain employee details. An employee management system can manage details of employees and their dependents. Employees' pay rates and hours worked are tracked, making payroll more efficient. Improving productivity and reporting capabilities helps streamline the management of employees as well as company management.

Description of System Functionality

The proposed employee management system will provide companies with a solution for managing their employees. Functionalities will help improve productivity and streamline payroll and human resources or management tasks.

Objectives of the System

- Efficient Management: Easy storage and retrieval of employee information.
- Improve the Payroll Process: Hours worked, salaries, and hourly rates are easily tracked or extracted for utilization.
- Enhance Accessibility: Accessible from multiple client devices.

System Requirements

- User Authentication: Secure login for users.
- User Roles: Different access levels depending on user needs.
    - Admin can view and edit all information.
    - Employees only view information related to themselves.
    - Managers can view information on employees assigned to them.
- Reporting capabilities

Users, depending on their role, can:

- Add or delete employee records
- Update employee records
- Update wage records
- View records

- Access and generate reports

Typical Customers

Customers who may be interested in the proposed employee management system include:

- Small business owners
- Managers
- Employees
- Payroll Coordinators
- Human Resources Personnel

Project Planning

- Software Requirements
    - Windows operating system
- Hardware Requirements
    - Server
    - Client Devices
- Network Requirements
    - High-speed internet

Development Approach

- Programming Language: Java
- Database: SQL

Development Plan

- Design (4 weeks)
    - Analyze needs and requirements
    - Interface design
- Development (8 weeks)
    - Coding
    - Documentation
- Testing (2 weeks)
    - Test user roles and scenarios of use
    - Debugging
    - Documentation
- Implementation