

Software Requirements Specification

Employee Management System

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Version: 0.1

Date: 28-11-2024

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1. Objective and Scope

The objective and the scope of the project is to define the software requirements for the Employee Management System (EMS). This system will manage and automate various processes related to employees, including adding, updating, and removing employee records, managing employee leaves, tracking attendance, and generating reports.

The Employee Management System (EMS) is designed to provide an automated solution for managing employee-related data in an organization. The system will include features such as:

- Employee record management (personal and job-related details).
- Add Employee Details.
- View Employee Details.
- Update Employee Details
- Delete Employee Details

2. Project End Users

An **Employee Management System (EMS)**, the **end users** refer to the individuals who will interact with the system, either directly or indirectly, to perform their tasks. These users have varying levels of access and responsibilities within the system.

3. Features

3.1 Login to the system

Each and every user should be authenticated with a User Name and Password to login into the system.

Validations for User Name and Password.

User Name: It accepts only Alphabets, Numbers, Dot (.) symbol and Underscore (_) symbol.

Password: It can be anything of the users' choice.

3.2 Add Employee Details

- This module will allow the authorized user to add a new employee to the system.
- Users will input employee details such as Name, Employee ID, Address, Department, Contact Information, etc.
- The system will validate the inputs to ensure that all required fields are filled.
- Upon successful submission, the employee's details will be saved in the system.

3.3 View Employee Details

- This module will allow users to view detailed information about an employee.
- Users will be able to search employees by Employee ID, Name, or Department.
- The system will display employee details such as Name, Employee ID, Address, Contact Information, Department, Date of Joining, etc.
- Users can view individual employee records.
- Users will have an option to filter and sort employee data.

3.4 Update Employee Details

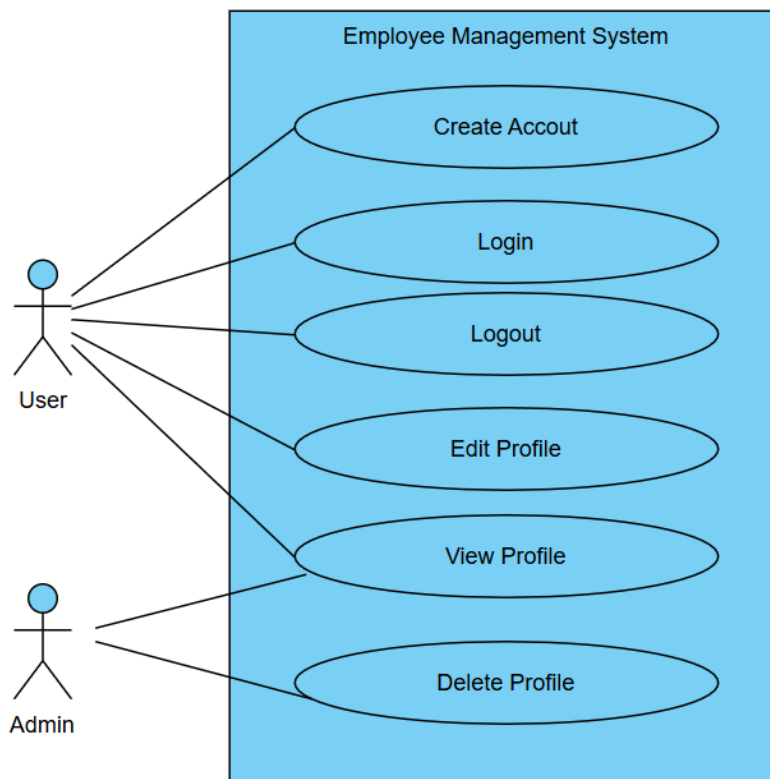
- This module will allow users to modify the details of an existing employee.
- Users will be able to search for employees to be updated by their Employee ID or Name.
- Users will be able to edit fields like Name, Address, Contact Information, Department, etc.
- The system will validate the inputs before saving the updated information.
- After saving, the updated employee record will be displayed.

3.5 Delete Management

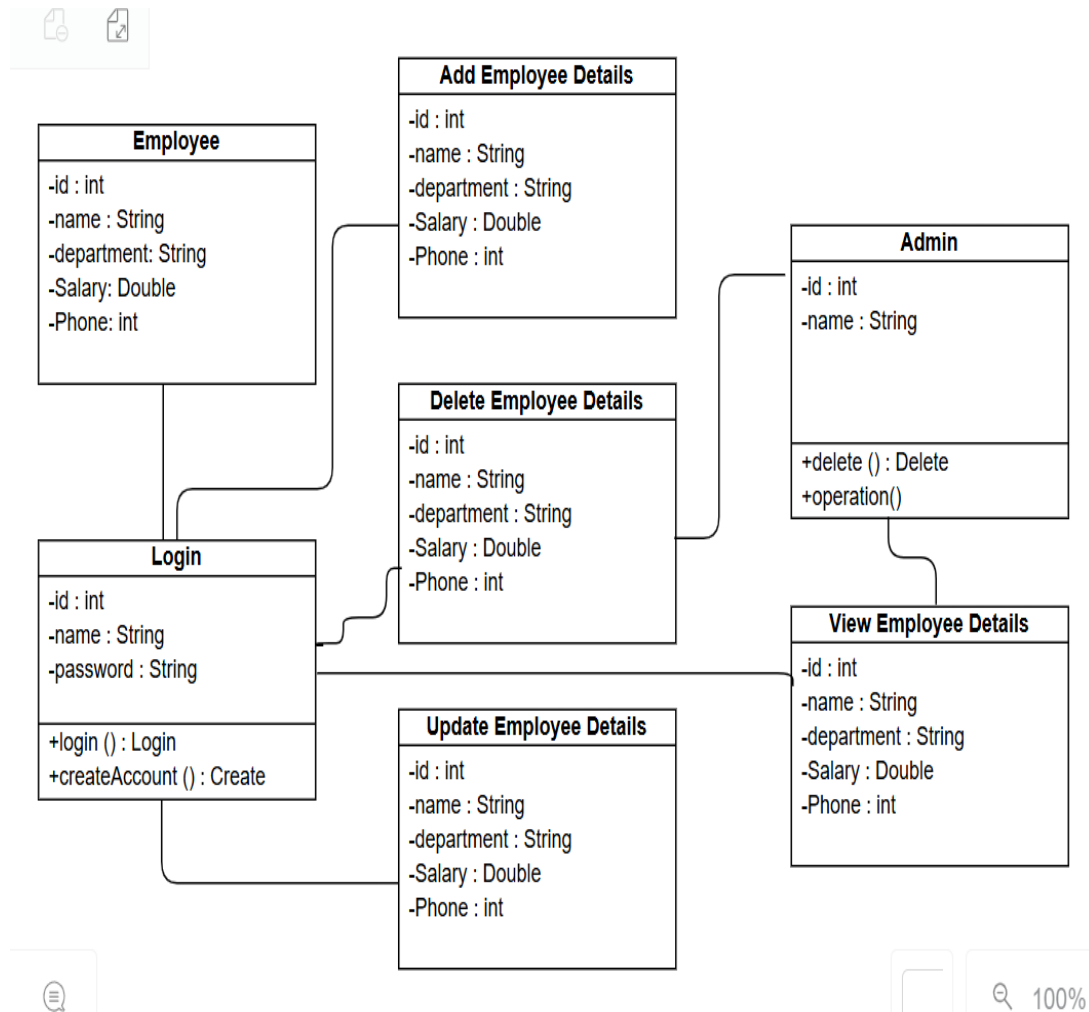
- This module will allow users to delete employee records from the system.
- Users will be able to search for employees by Employee ID or Name.
- Users will be able to delete employee records after confirmation.
- The system will ask for confirmation before deleting an employee record to avoid accidental deletions.
- After deletion, the employee record will be permanently removed from the system.

4. UML Diagrams

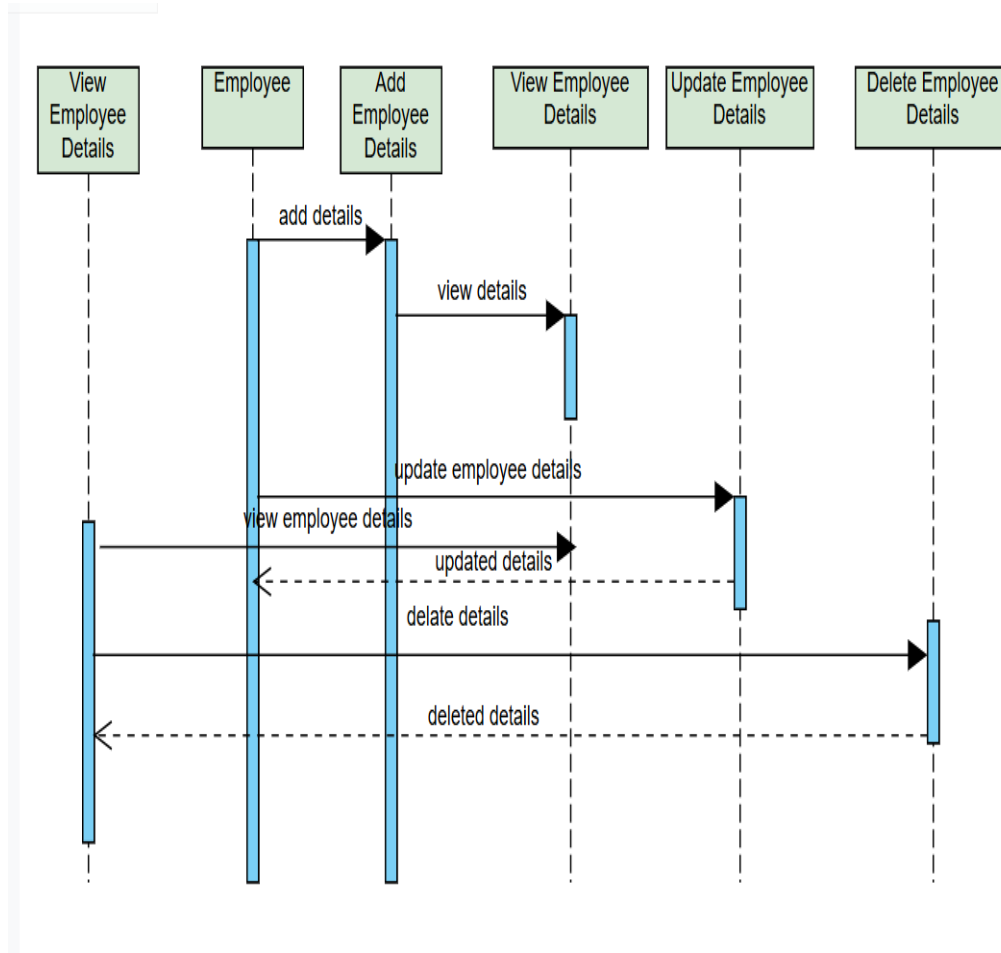
4.1 Use Case Diagram



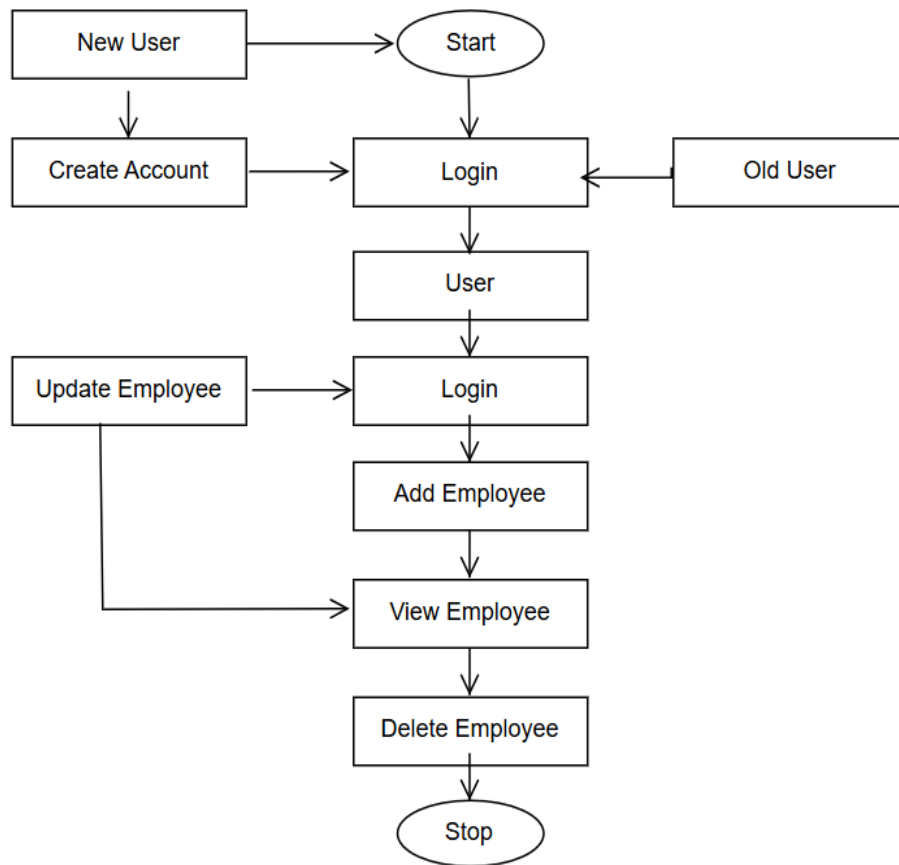
4.2 Class Diagram



4.3 Sequence Diagram



4.4 Flow Chart



4.5 ER Diagram

