

Project Title - Employee Management System

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Problem Description:

Problem Statement:

Many organizations struggle with managing and organizing employee information efficiently. Keeping track of employee data, such as personal details, contact information, employment history, and performance records, can be a daunting task. Traditional methods like manual record-keeping or using fragmented digital systems can lead to inaccuracies, security risks, and time wastage.

Solution:

To address these challenges, we propose the development of a comprehensive Employee Management System (EMS). The EMS will be a centralized digital platform that allows organization to securely store and access employee's personal and professional information. The system will incorporate features such as:

Features:

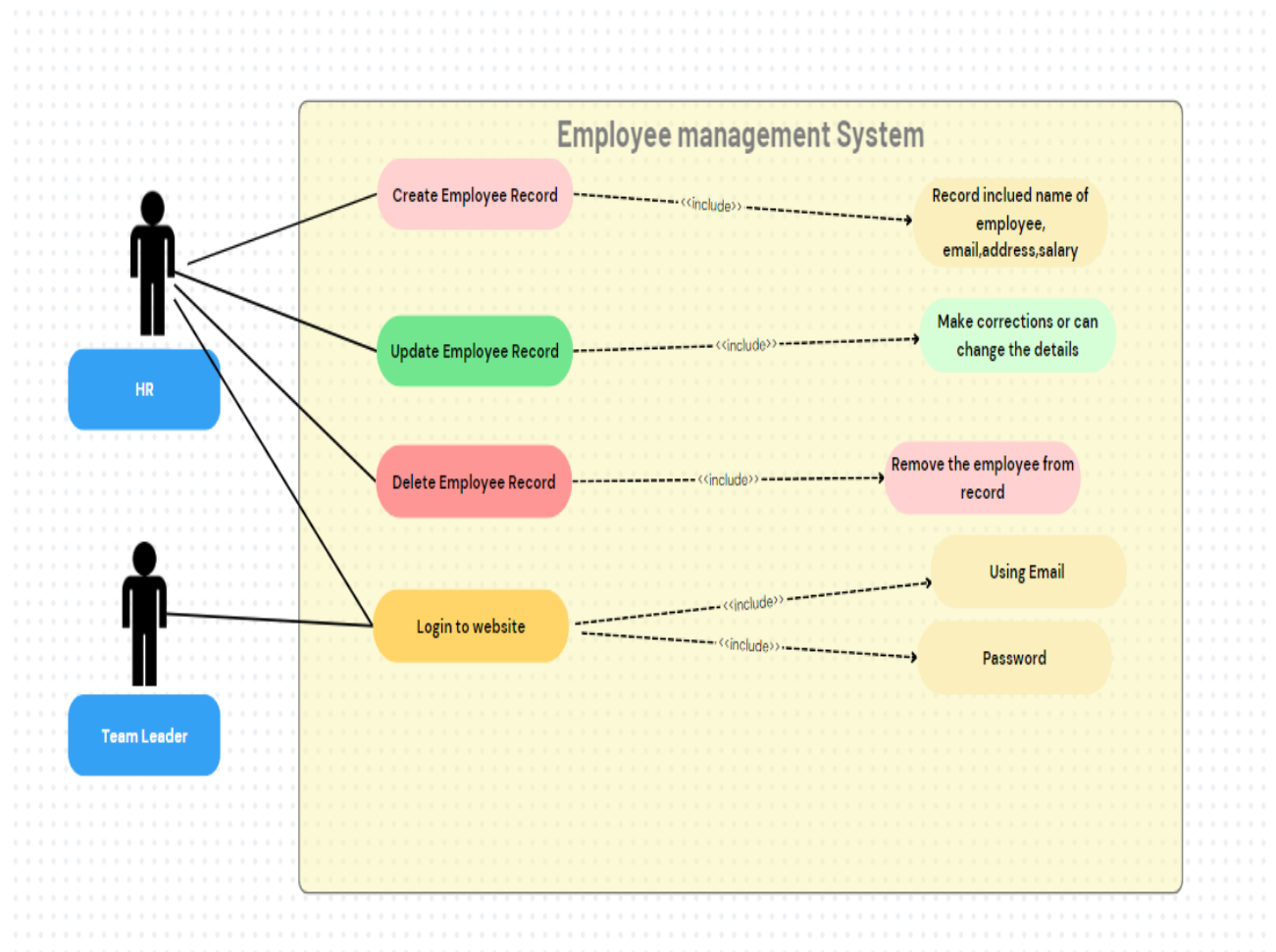
- 1) Admin/HR will be able to store information of employee using the system.
- 2) Information will be stored in the database.
- 3) Admin/HR will be able to edit the stored information.
- 4) Admin/HR have rights to delete their information.
- 5) More than one admins can login to the website
- 6) Rest API call from React to Spring Boot RESTful API

Technologies:

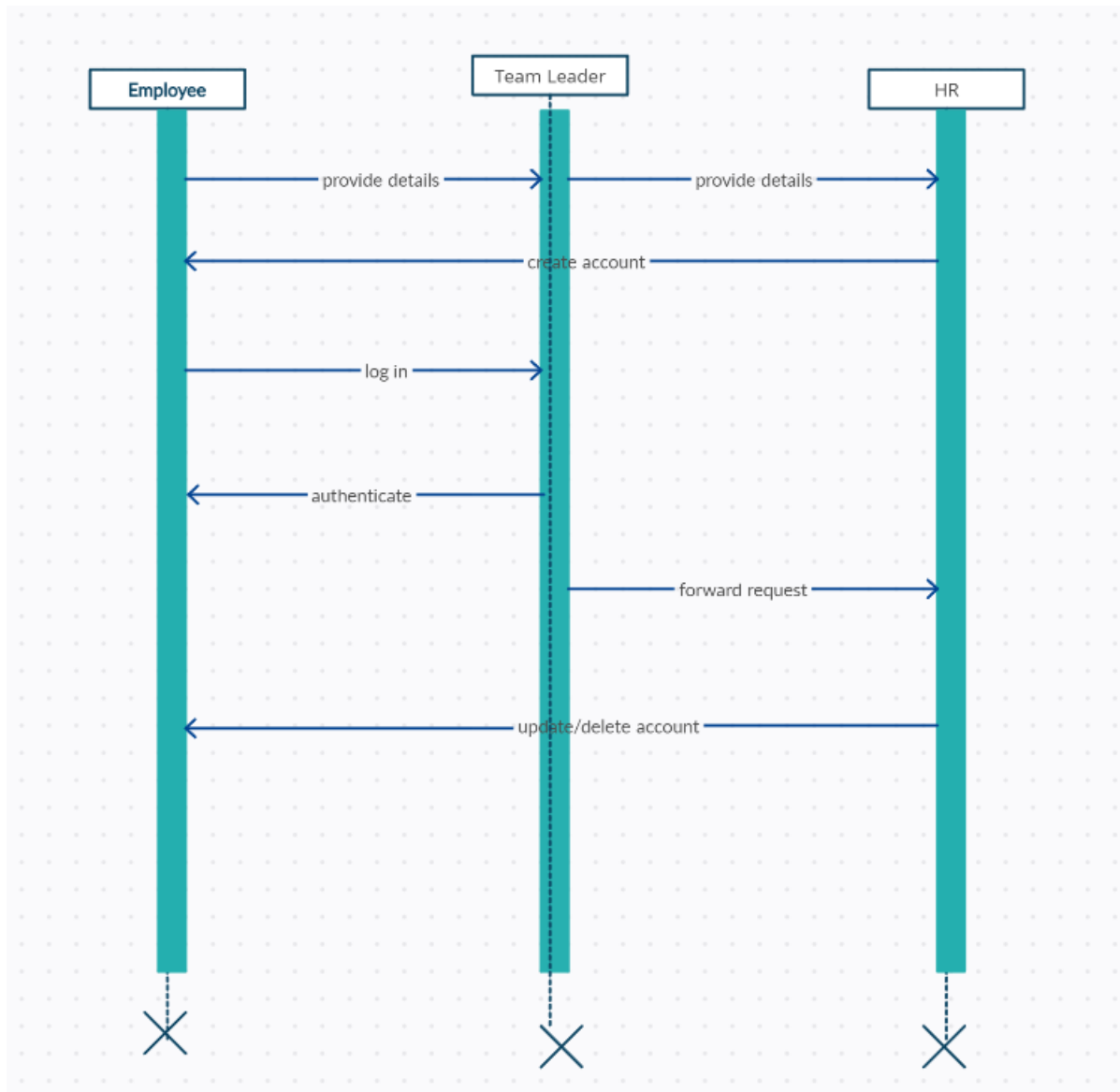
- Frontend Technology:
 1. React
 2. Modern JavaScript (ES6)
 3. VS Code IDE
 4. Create React App CLI
 5. Bootstrap 4.5 and Axios HTTP Library
- Backend Technology:
 1. JDK
 2. Spring Boot
- Database:

MySQL

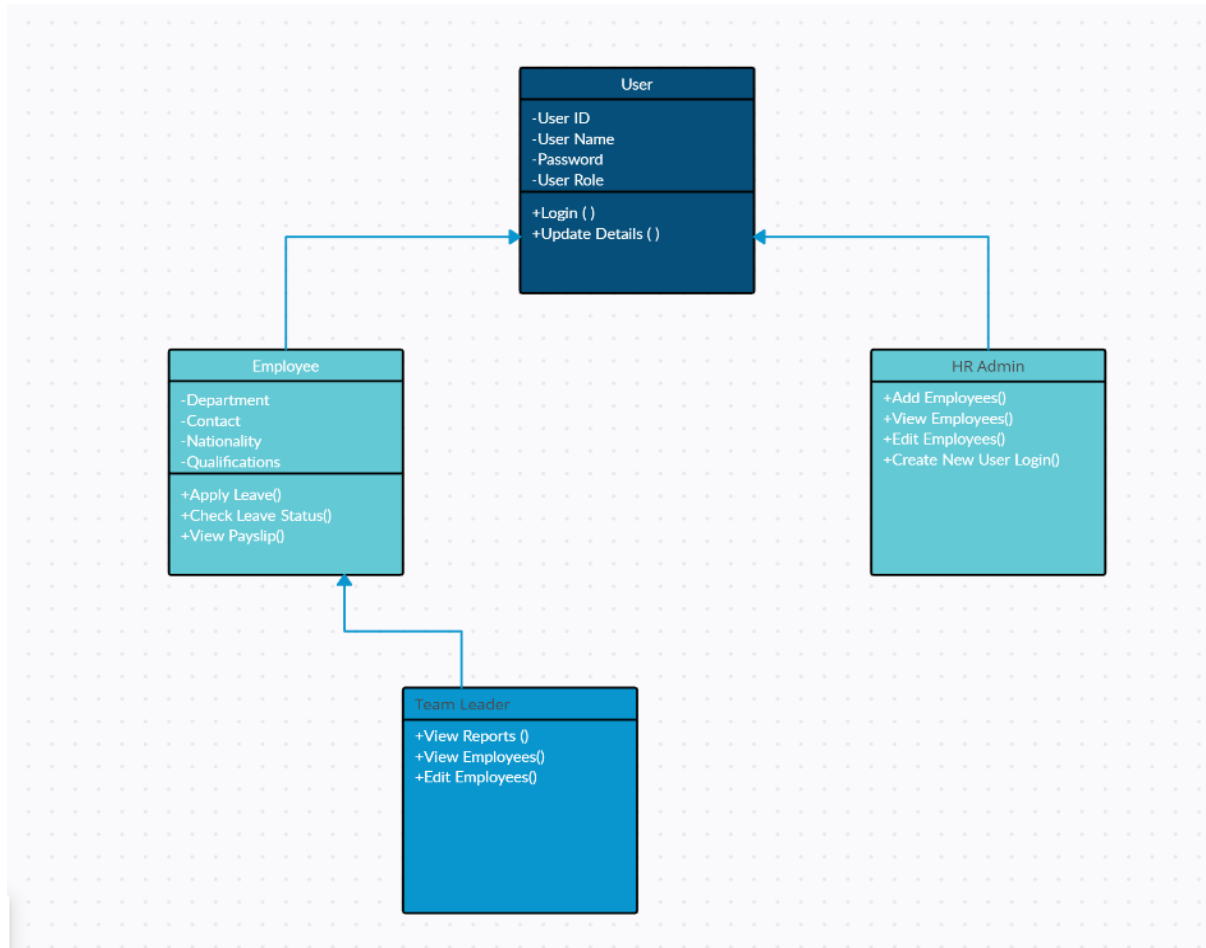
Use Case Diagram:



Sequence Diagram:



Class Diagram:



Future Scope:

1. Attendance Tracking:

The system will enable employee to mark attendance, and supervisors/HR can monitor attendance records for each employee

2. Leave Management:

Employees can request and manage leaves through the system, streamlining the leave approval process for supervisors.

3. Document Storage:

A secure repository for storing and accessing essential documents like contracts, certifications, and appraisals.