System Requirements Specification

System Name: Employee Management System

Version: 0.1.0

Date: 2023-10-12

1. Objective

The objective of the Employee Management System is to provide a centralized platform for managing employee information and tasks. The system should allow users to add, edit, and delete employee records, as well as assign tasks and track progress.

2. Scope

The system will include the following features:

- Employee management: Add, edit, and delete employee records.
- Task management: Track attendance, and view reports.
- Reporting: Generate reports on employee activity.

3. Functional Requirements

The system must meet the following functional requirements:

- Admin Users must be able to add, edit, delete employee records, Branch Management
- HRUsers must be able to assign tasks to employees.
- Regular Users must be able to track the attendance and edit profile.
- Users must be able to view reports on employee activity.

LOGIN

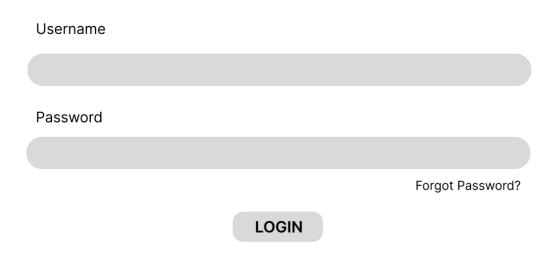


Figure 1: Login page

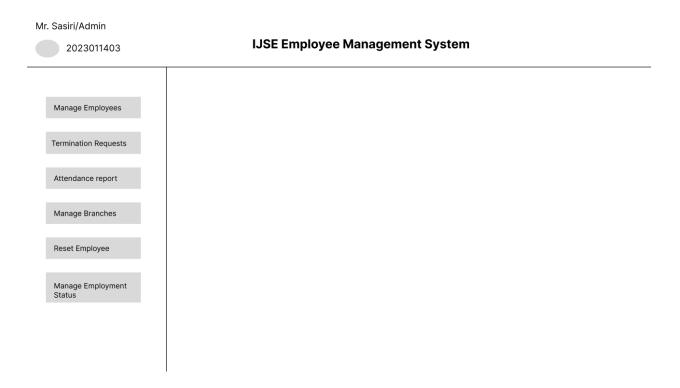


Figure 2: Admin Panel

Termination Requests

Id	Name	Reason for Termination	Requested By ID	Requested By Name

DECLINE ACCEPT

Figure 3: Terminate Employee

Attendance Report

SEARCH				
FROM:	то:			
ld	Name	Leaves	Total worked days	Attendance Percentage

Figure 4: Attendance Report

Figure 5: HR panel

Request a Termination

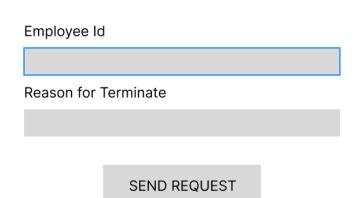


Figure 6: Termination Request by HR

Figure 8: Regular User

Add Employee ID Full Name NIC Username Password Role **Employee Status** Branch Contact Profile Picture **SUBMIT**

Figure 9: Add Employee

4. Non-Functional Requirements

The system must meet the following non-functional requirements:

- The system must be easy to use.
- The system must be secure.
- The system must be reliable.
- The system must be scalable.

5. Assumptions and Constraints

The following assumptions and constraints apply to the system:

- The system will be used by employees and managers.
- The system will be hosted on a cloud server.
- The system will be developed using Java and Spring Boot.

6. Implementation Plan

The system will be implemented in the following phases:

- Phase 1: Requirements gathering and analysis
- Phase 2: Design
- Phase 3: Development
- Phase 4: Testing
- Phase 5: Deployment

7. Testing Plan

The system will be tested using the following methods:

- Unit testing
- Integration testing
- System testing
- User acceptance testing

8. Deployment Plan

The system will be deployed on a cloud server.

9. Maintenance Plan

The system will be maintained by the development team.

10. Documentation Plan

The system will be documented using the following documents:

- System Requirements Specification
- User Manual
- Administrator Manual

11. Training Plan

Users will be trained on the system using the following methods:

- User Manual
- Administrator Manual

- Online training
- On-site training

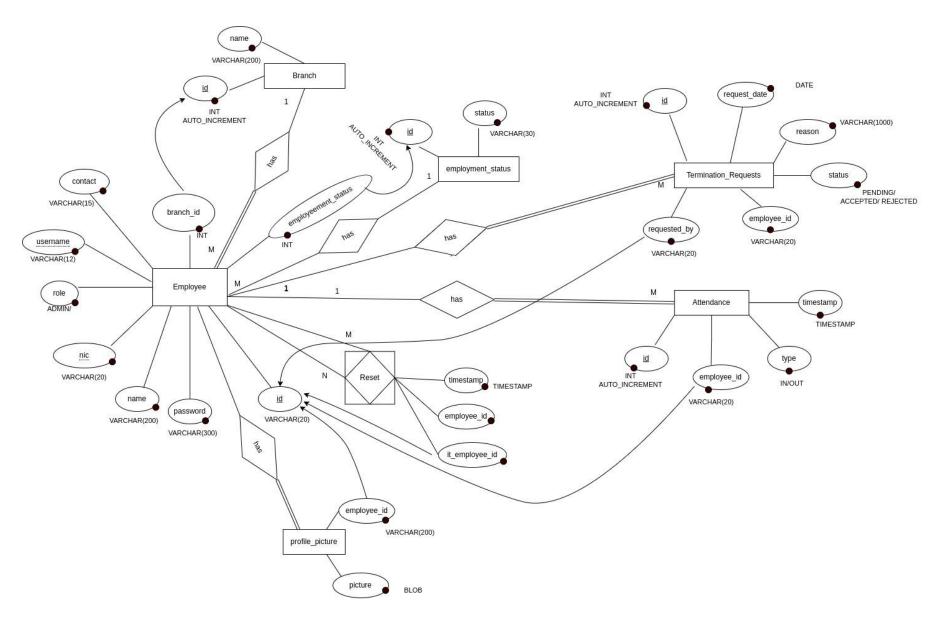


Figure 9: ERD Diagram