# Employee HRMS Portal - Day 1 Requirements

**Employee id-** 109883998

**Project Name-** Employee HRMS Portal  
**Prepared By-** Rishabh Manchanda ( rismanch )

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## 1.Project Overview

The Employee HRMS (Human Resource Management System) Portal is designed to manage core HR activities, including employee information, payroll, and attendance. The system will streamline HR processes by providing CRUD functionality for employee records, automated payroll management, and attendance tracking. The portal aims to simplify HR operations while ensuring accuracy and efficiency.

## 2. Functional Requirements

The system will provide the following core features based on the project scope:

### FR.1 – Employee CRUD

- Add new employees with details such as employee ID, name, department, and designation.  
- View employee information.  
- Update employee records when details change.  
- Delete employee records when necessary.

### FR.2 – Payroll Management

- Maintain payroll details for each employee.  
- Support salary computation using database queries (e.g., SQL joins).  
- Allow viewing of employee salary records.

### FR.3 – Attendance Management

- Track employee daily attendance.  
- Maintain attendance records in the system.  
- Enable viewing of attendance details.

## 3. Non-Functional Requirements

- **Performance-**The system should handle CRUD operations and payroll computations efficiently for multiple employees.

- **Usability-**The system should provide a simple and user-friendly interface for HR staff.

- **Scalability-**The portal should support increasing data volumes as more employees are added.

- **Reliability**-The system should ensure data consistency and be available during working hours.

-**Maintainability-** Code will follow Java coding standards.Modularity and separation of concerns will be applied.

**-Testability**

JUnit or Cucumber (TBD) for unit and integration testing

## 4. Deliverable

Day 1 Deliverable: Requirements Document capturing the overview, functional requirements, and non-functional requirements for the Employee HRMS Portal.

**5. Technology Used**

| **Component** | **Technology** |
| --- | --- |
| Language | Java |
| IDE | IntelliJ IDEA |
| Database | AWS DynamoDB |
| Build Tool | Maven |
| Version Control | Git, GitHub |
| Testing | JUnit / Cucumber |
| DevOps | Docker, Jenkins |
| Networking | Java Socket Programming |