Develop a construction site management software that will do the following

1. Manage all employee data
2. Mantain daily attendance and their monthly payrolls
3. Also have a admin dashboard that has all admin rights
4. Mantain a log of all materials added and used up in construction

Manage Employee Data:

* Create entities/models for employees, including attributes like name, contact information, position, etc.
* Use Spring Data JPA to define repositories for CRUD operations on employee data.
* Implement RESTful APIs to manage employee data, including endpoints for creating, updating, retrieving, and deleting employee records.

Maintain Daily Attendance and Monthly Payrolls:

* Create entities/models for attendance records and payroll information.
* Implement functionality to record daily attendance, calculate monthly payrolls based on attendance and salary rates, and generate payroll reports.
* Use scheduled tasks in Spring to automate payroll generation at the end of each month.

Admin Dashboard:

* Implement an admin dashboard using Spring MVC or Spring WebFlux, depending on your preference.
* Secure the dashboard using Spring Security, and define different levels of access rights for admin users.
* Include features for managing employee data, attendance, payrolls, materials, and other aspects of the construction site.

Maintain Log of Materials:

* Create entities/models for materials, including attributes like name, quantity, supplier, etc.
* Implement functionality to record materials added to the inventory and materials used up in construction projects.
* Use transactions in Spring to ensure data consistency when adding or deducting materials from inventory.
* Provide endpoints to retrieve material usage logs and generate reports on material consumption.

Employee Model :