Multiple Location Attendance System

Tech Stack

Frontend:
- React.js (with Vite)
- Tailwind CSS
- shadcn/ui
- Redux Toolkit

Backend:
- Node.js
- Express.js
- MongoDB

User Roles

- Admin
- Site Incharge (logs in based on location)

Admin Dashboard Sections

1. Dashboard: Overview of employees, locations, attendance summary
2. Attendance: Manage attendance, calendar view, edit attendance
3. Employees: Employee details table with actions
4. Register Employee: Form to register new employees
5. Locations: List and manage all locations
6. Reports: Generate and download reports
7. Settings: Manage paid leaves per month, half-day value, location settings
8. Profile: View/update profile details

Site Incharge Dashboard Sections

1. Dashboard: Location-specific overview
2. Attendance: Mark attendance, calendar view, request edits
3. Employees: Employee details table with actions
4. Register Employee: Register employees with documents
5. Reports: Generate and download reports
6. Profile: View/update personal information

Attendance Workflow Summary

Site Incharge:
- Log in based on location
- Mark daily attendance (Absent manually, Present auto)
- No edits after submission; can request admin corrections

Admin:
- Full control over attendance records
- Can edit attendance based on requests
- Filter by date and location

Salary Calculation Logic

- 2 paid leaves per month with full pay
- Deductions after 2 paid leaves
- Unused paid leaves roll over to next month

- Paid Leaves Per Month and Half-day policies managed in Settings

Reports Module

- Attendance and Salary reports
- Downloadable in PDF or Excel
- Preview before download
- Filter by Month, Location, Employee

Future Enhancements (Optional)

- Push notifications for absenteeism or lateness
- Geo-fencing for location validation
- QR code/biometric attendance
- Automated email reports
- Advanced role-based permissions