

IUI Hackathon

Project Title:

Employee Tracker

Team Members

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Project Pitch & Problem Statement

In the fast-paced world of startups and small businesses, managing a growing workforce efficiently becomes a critical challenge. Relying on spreadsheets, disconnected tools, or manual processes often leads to poor visibility, delays, and inconsistencies in handling HR tasks like attendance, leave management, or even basic employee feedback. These inefficiencies not only consume time but also affect overall team morale and productivity.

Employee Tracker was developed to tackle these challenges head-on. It's a unified, web-based platform that transforms traditional HR management into an intuitive, automated experience. Designed with role-based access, it provides tailored functionality for HR admins, managers, and employees, ensuring that everyone has access to the tools they need, when they need them.

How Our Project Solves the Problem

- **Digitization of Manual Workflows:** Employees can mark attendance, apply for leaves, and stay informed about their tasks and performance from anywhere.
- **Clear Role-Based Access:** HR admins and managers can carry out workforce operations efficiently within their designated scope.
- **Smart Project & Task Monitoring:** Teams gain visibility into ongoing work and task completion status, improving accountability.
- **Real-Time Reports:** Generate actionable insights on employee performance and attendance trends.

Project Documentation & Application Overview

System Overview

Employee Tracker is a comprehensive workforce management system tailored for growing businesses. The platform automates HR processes, including employee data management, attendance, leave tracking, task assignment, training, exit interviews, and feedback collection.

Users & Role-Specific Functionalities

1. Employees

- Manage personal profiles and update contact details
- Clock in/out for attendance and apply for leave
- Access and complete assigned projects/tasks
- Enroll in training programs and receive performance feedback
- Provide feedback on workplace policies and participate in exit interviews

2. HR Admin

- Manage users (employee profiles)
- Handle attendance & leave management
- Manage training and performance evaluations
- Conduct feedback & exit interviews
- Evaluate employee performance
- Manage department operations

3. Manager Admin

- Assign and track projects & tasks
- Evaluate employee performance
- Approve leave requests
- Track department information

4. Super Admin

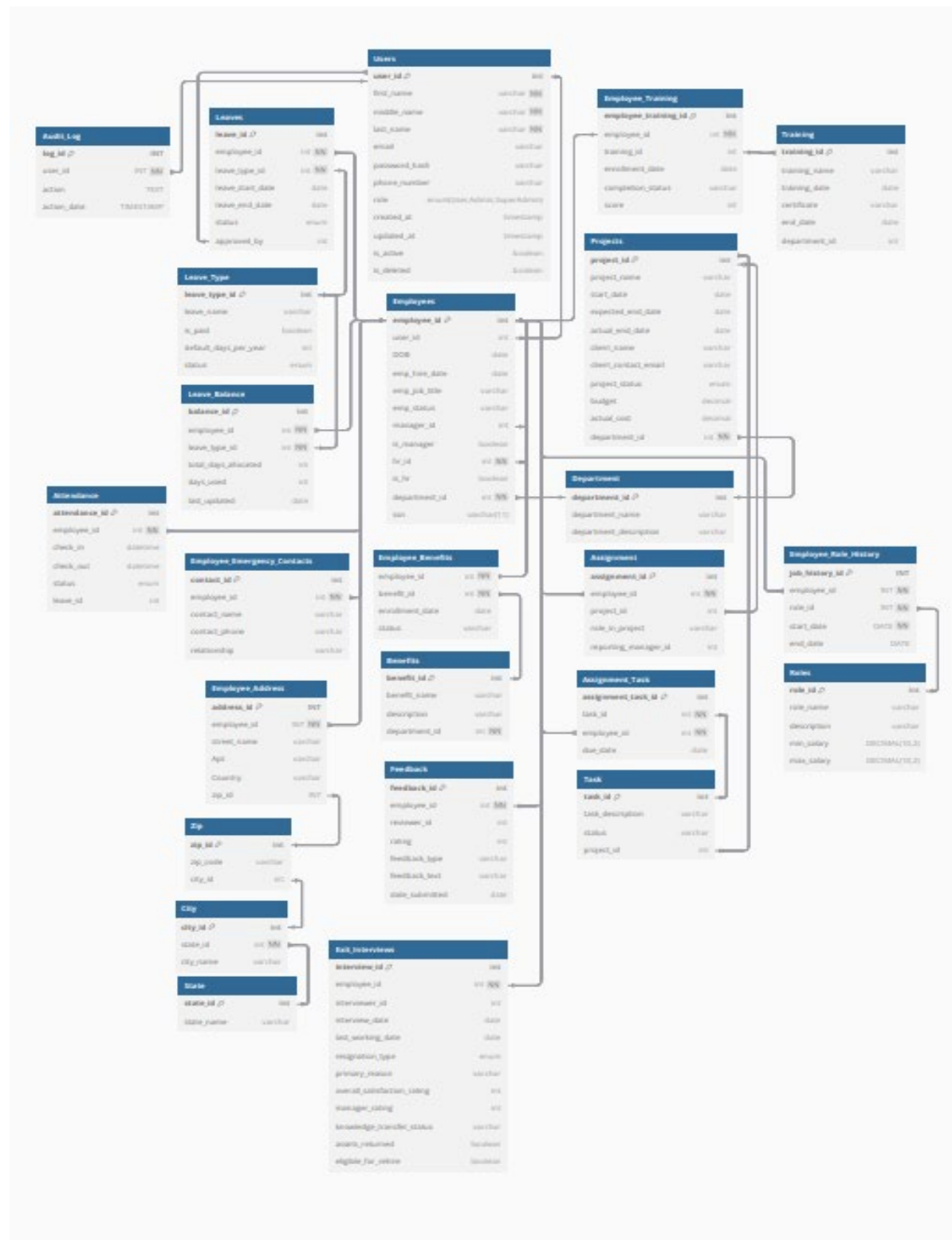
- Has full access to all admin functionalities
- Can monitor system audits & logs
- Manages admin user roles & permissions

Database Architecture

The system is backed by a robust MySQL database comprising **21 interconnected tables**. These manage:

- Core employee and user data
 - Attendance records and leave balances
 - Project and task assignments
 - Feedback, training programs, and user role data.
- All tables are interlinked to ensure relational consistency and traceability across modules, ensuring seamless HR operations.

Entity Relationship Diagram (ERD)



<https://dbdiagram.io/d/ERD-2-67b01b38263d6cf9a03d8462>

Technology Stack

- *Frontend*: HTML, CSS, JavaScript
- *Backend*: PHP
- *Database*: MySQL
- *Security*: Role-based authentication, encrypted data handling, and audit trail tracking

Website Link

<https://github.com/VaishaliKondaju/Employee-Tracking-System>

Conclusion

Employee Tracker isn't just a project, it's a tool built from a real-world need. It simplifies human resource operations for small to mid-sized companies so they can grow without the HR chaos. With a user-centric design, secure infrastructure, and a modular codebase, the system is ready to be extended and deployed for real organizations post-hackathon.

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