

# **Payroll Management System**

Group No : 9

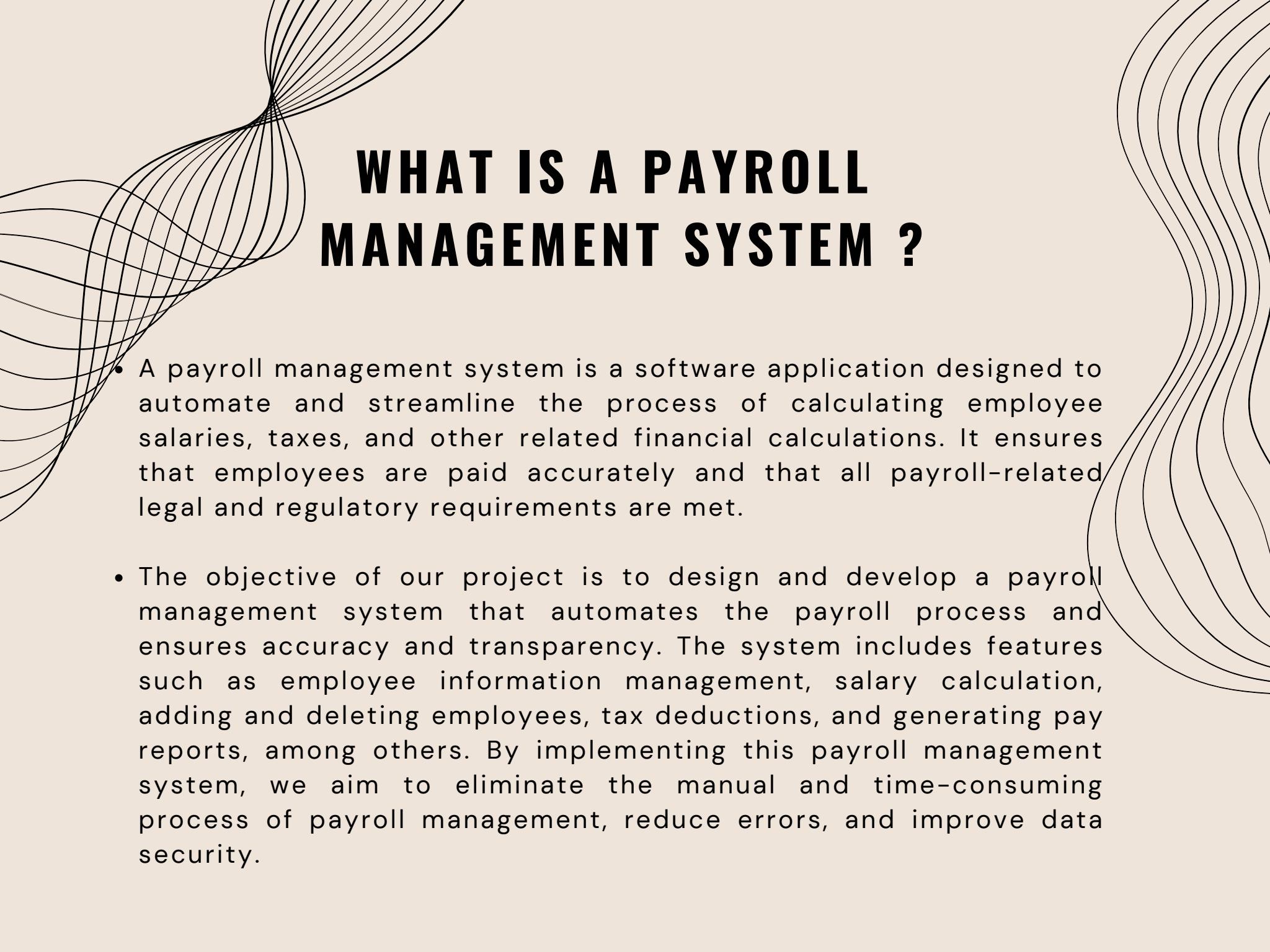
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# **WHAT IS A PAYROLL MANAGEMENT SYSTEM ?**

- A payroll management system is a software application designed to automate and streamline the process of calculating employee salaries, taxes, and other related financial calculations. It ensures that employees are paid accurately and that all payroll-related legal and regulatory requirements are met.
- The objective of our project is to design and develop a payroll management system that automates the payroll process and ensures accuracy and transparency. The system includes features such as employee information management, salary calculation, adding and deleting employees, tax deductions, and generating pay reports, among others. By implementing this payroll management system, we aim to eliminate the manual and time-consuming process of payroll management, reduce errors, and improve data security.

# QUALITIES OF OUR PAYROLL MANAGEMENT SYSTEM

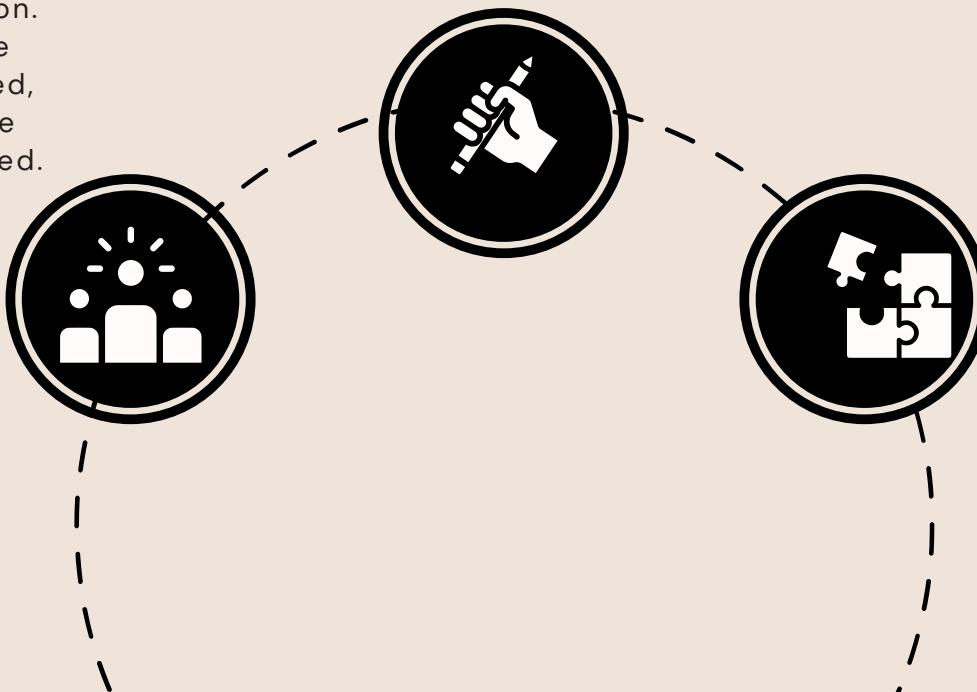
## Security

The Payroll Management System maintains both the identities and payroll transcripts of its users. This information must be stored securely to prevent any breach of sensitive information.

User accounts are password-protected, and passwords are encrypted and stored.

## Reliability

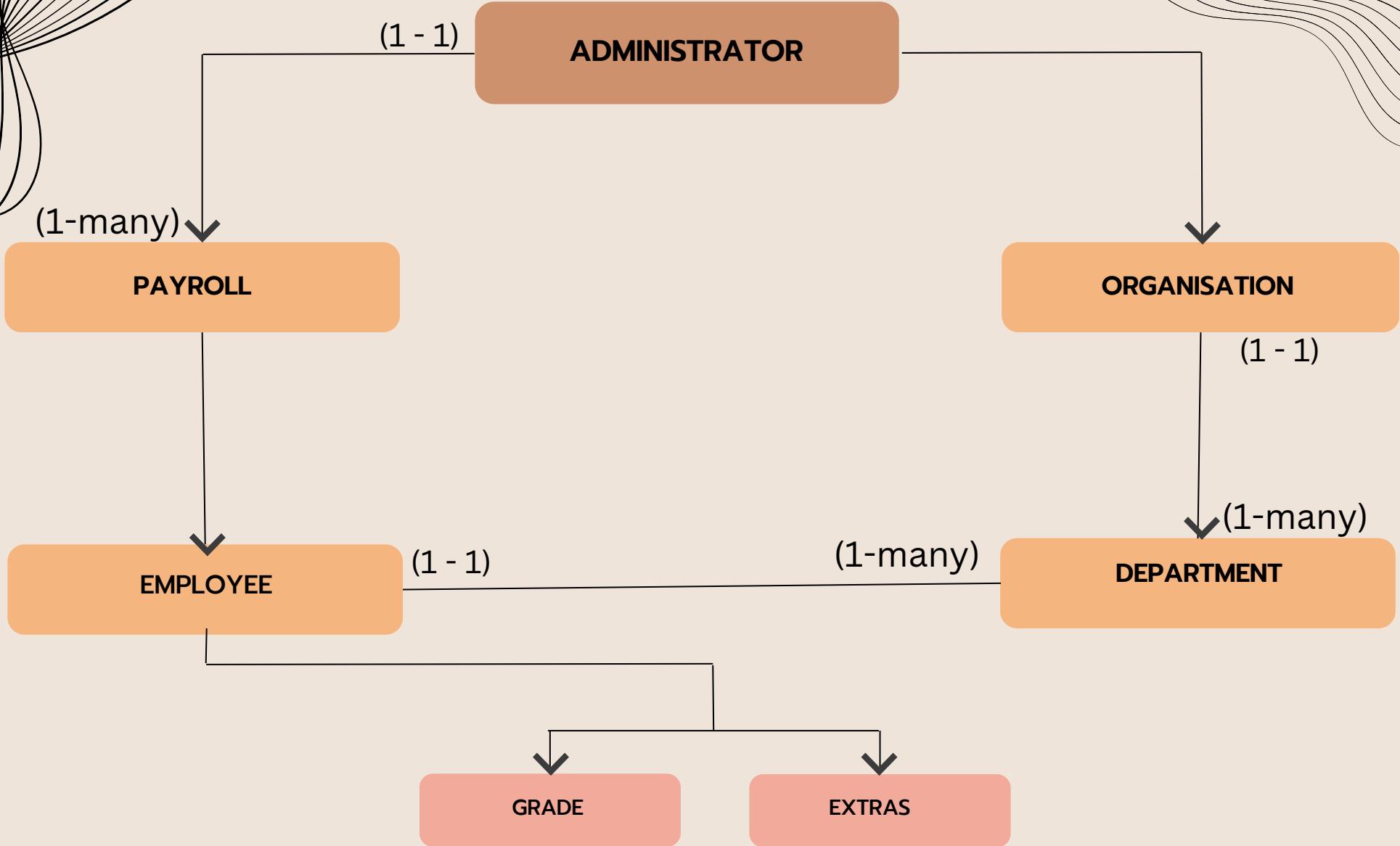
The Payroll Management system must be dependable in order to provide error-free payment and report generation services. Even in unfavourable circumstances, such as a power outage, the system must be dependable enough to commit or reverse payment transactions without losing data or assets.



## Conceptual Integrity

Since the model employs various concepts regarding the processing and management of data, such as the calculation of a worker's monthly pay based on her grade, leaves taken, and extras, as well as the generation of reports on multiple relations, the conceptual integrity of the various services is crucial.

# Architecture





BACKEND

NodeJS

ExpressJS



FRONTEND

ReactJS

„TECH  
STACK“



DATABASE

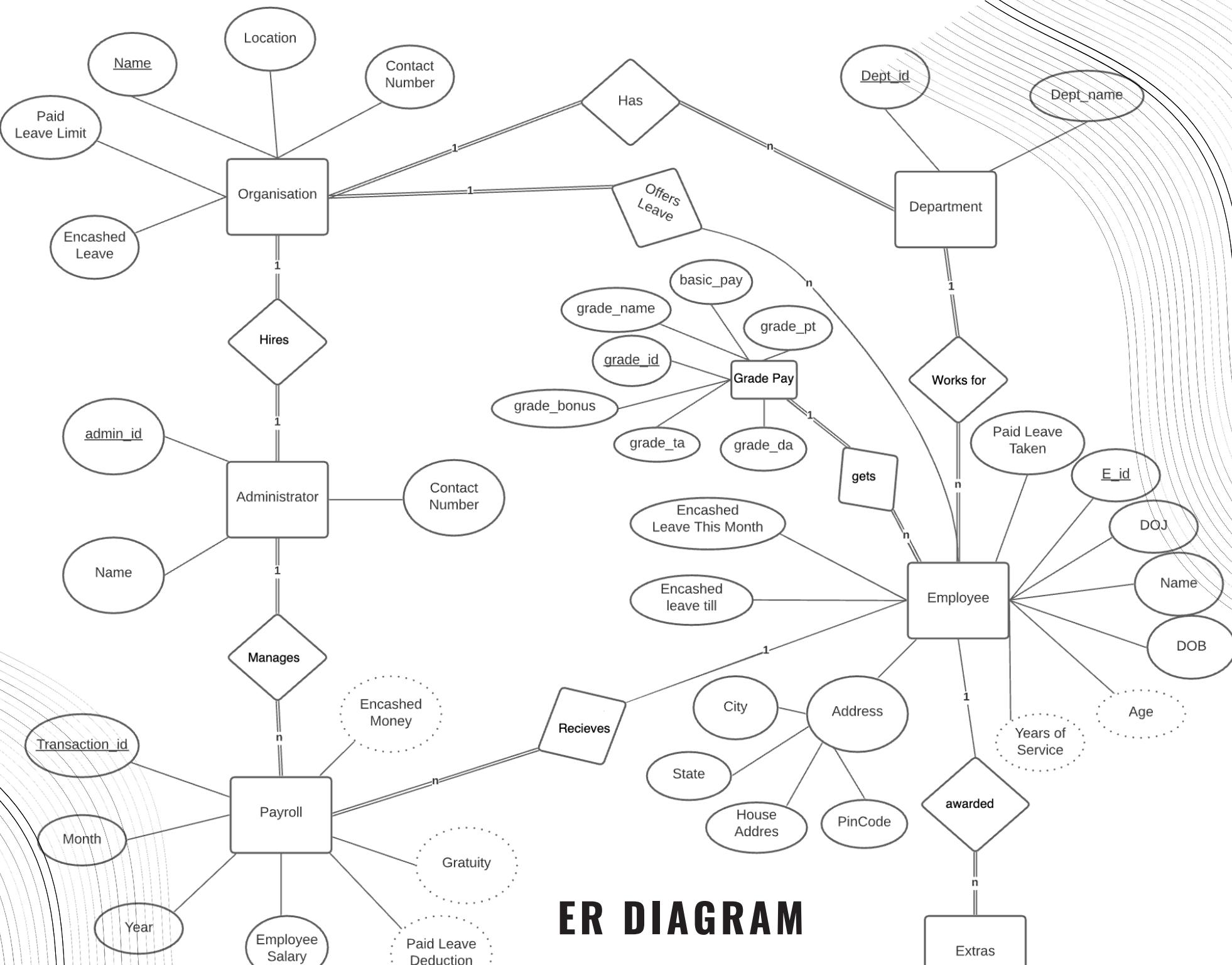
SQL

(PostgreSQL)

TESTING

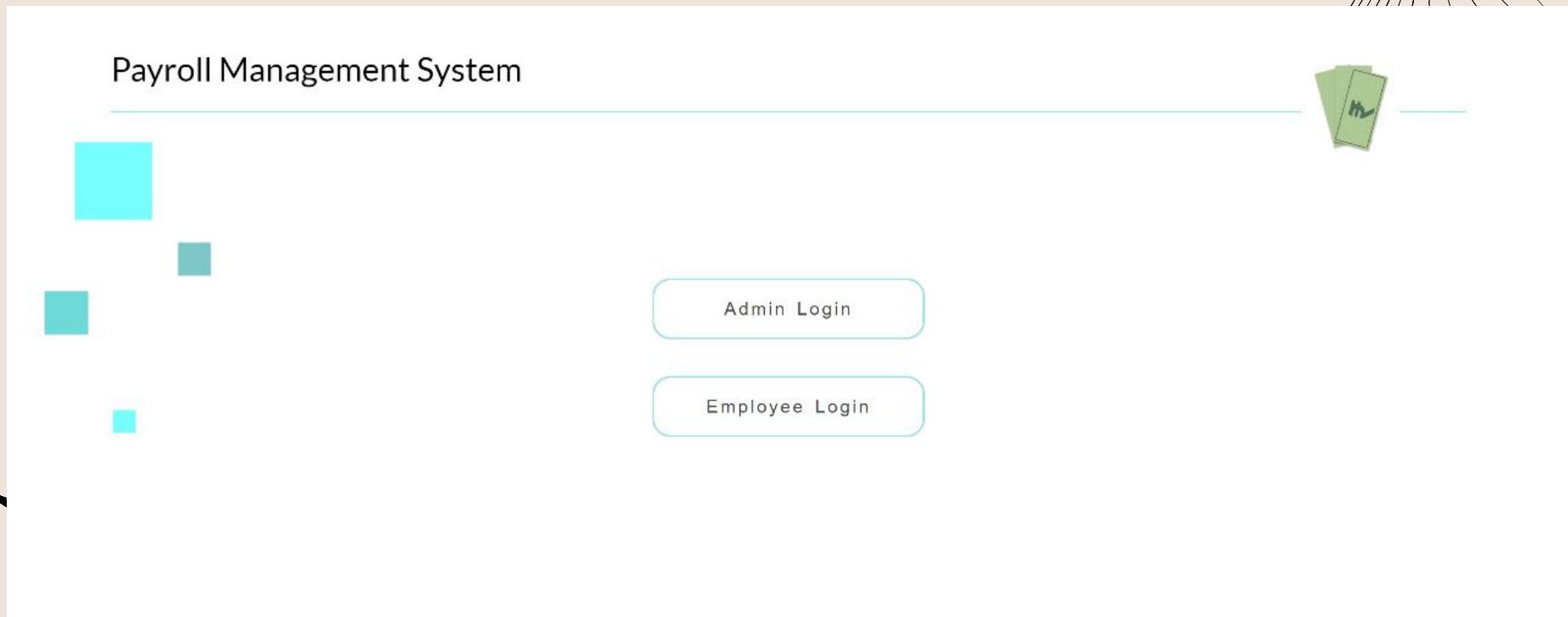
Postman

Terminal



# ER DIAGRAM

# MAIN SCREEN



# ADMIN



# ADMIN SCREENS (1/4)

Payroll Management System



Admin Login

Email Address \*

Password \*

SIGN IN

Forgot password?

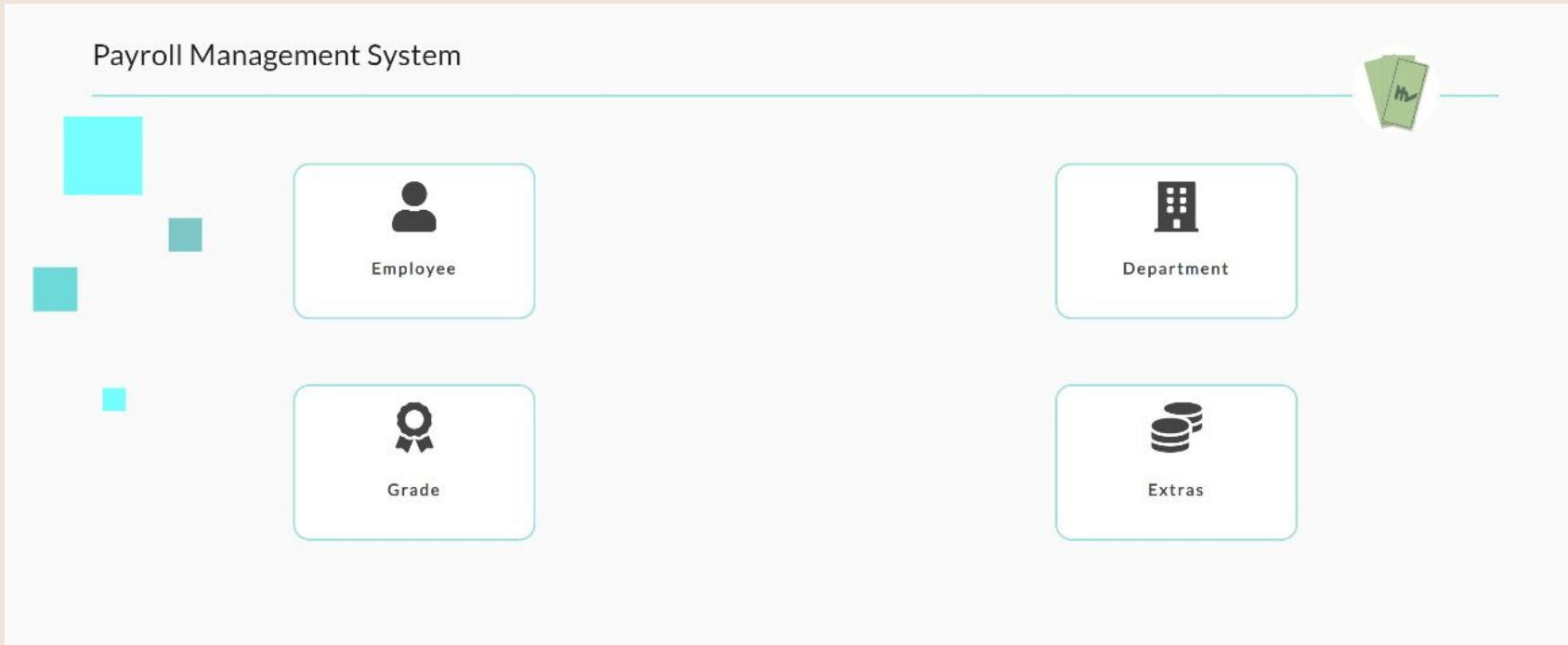
Payroll Management System



Add Info

Update Info

# ADMIN SCREENS (2/4)



Payroll Management System

This screenshot shows the Admin Department screen of the Payroll Management System. It features a form with the following fields:

- Dep Name:** A text input field.
- Org Name:** A text input field.
- Add Department:** A blue button located below the input fields.

Decorative elements include several small teal squares scattered around the form and a green banknote icon with a dollar sign (\$) at the top right.

# ADMIN SCREENS (3/4)

Payroll Management System



Grade Name :

Bonus :

Travel Allowance :

Dearness Allowance :

Basic Pay :

Grade PF :

[Add Grade](#)

Payroll Management System



Extras Type :

[Add Extras](#)

# ADMIN SCREENS (4/4)

**Basic Details**

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Name :

Dob :  mm/dd/yyyy

Address :

City :

State :

Pin-Code :

**Company Details**

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Email :

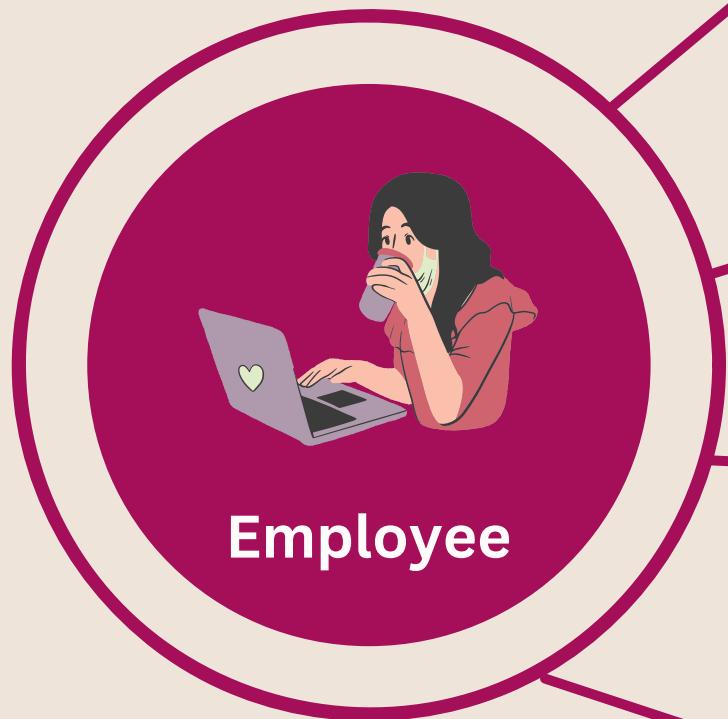
Department:  MTH

Grade-ID :  hi

Org Name:  SGSITS

doj :  mm/dd/yyyy

# EMPLOYEE



Employee

- 1 EMPLOYEE LOGIN  
(Must enter valid id and password to login)
- 2 MARK PRESENT/ABSENT
- 3 GET NET SALARY REPORT
- 4 GET TAX REPORT

# EMPLOYEE SCREENS (1/2)

Payroll Management System

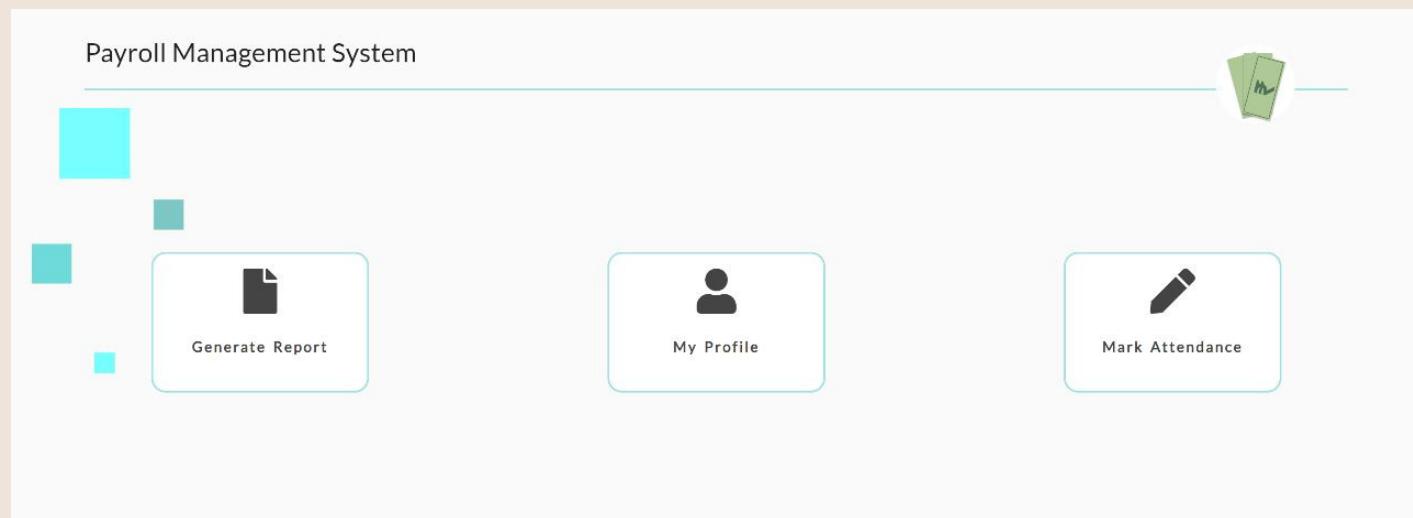
Employee Login

Email Address \*

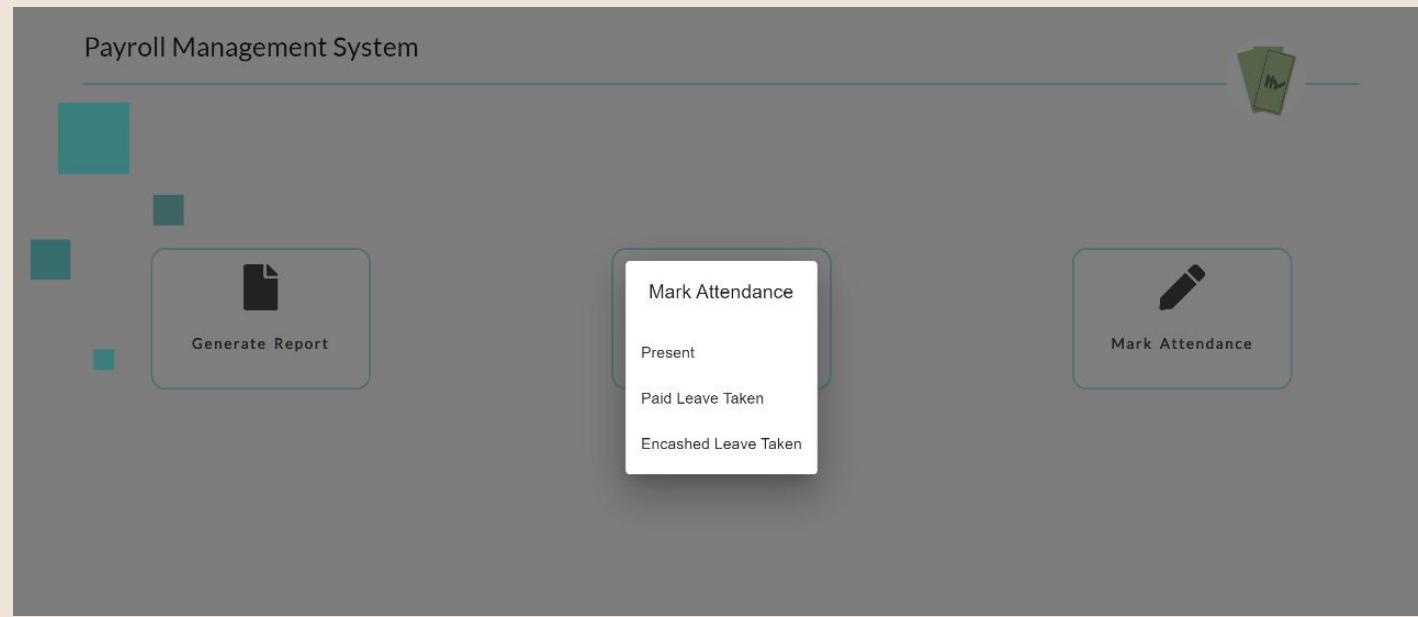
Password \*

LOG IN

[Forgot password?](#)



# EMPLOYEE SCREENS (2/2)



The screenshot shows a light-themed interface for a Payroll Management System. At the top left is a logo consisting of several cyan squares. Below it, a profile section displays the following information: Name: Raj Kumar, Date of Birth: 1993-02-08, Date of joining: 2021, Address: IIT Kanpur, and Years of service: 2. Each piece of information is presented in a horizontal input field with a cyan placeholder bar.



**DEMO**



**THANK YOU**