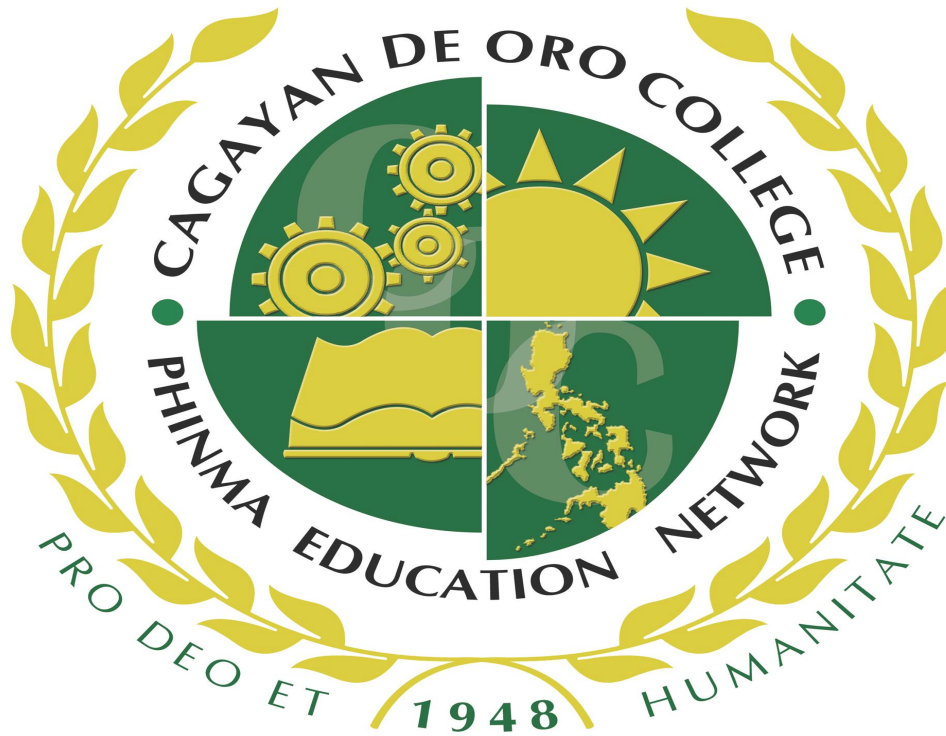


Cagayan De Oro College Phinma Education



# WORKPAY SYSTEM

INFORMATION TECHNOLOGY

PRESENTED BY:

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## Project Review

Project Name: Workpay System

### Objectives:

To develop a web-based payroll system that automates employee attendance tracking, salary calculations, and payroll management, ensuring efficiency, accuracy, and compliance with deductions.

### Target Users:

- Employees – For attendance tracking and payroll access
- Admin/HR – For payroll management, attendance verification, and salary processing.

### Industry Comparisons:

Payroll and attendance management systems are widely used in businesses to streamline salary processing and employee tracking. Below are some industry-related platforms that share similarities with my Payroll System:

Industry/Websites	Key Features	Relevance
HR & Payroll Software (e.g., Gusto, QuickBooks Payroll)	Employee attendance tracking, salary calculation, tax deductions	Similar to this system, these platforms automate payroll processing and deductions.
Biometric Attendance Systems	QR code attendance, automated time tracking	This system also uses QR codes for employee check-in/out verification.
Accounting Software (e.g., FreshBooks, Xero)	Payroll processing, tax deduction management	Like this system, these tools handle salary computations and deductions for benefits.

### Wireframes & UI Design:

- Login Page: Clean & minimal with company branding
- Admin Dashboard: Interactive charts for payroll & attendance stats
- Employee Dashboard: Attendance tracker & salary breakdown
- Check-in/Check-out Page: Large QR scanner button for easy access
- Payslip Page: Detailed salary breakdown with deductions

### Functional Features to Adopt:

1. Secure Login System (Admin & Employees)
2. QR Code-based Employee Check-in/Check-out
3. Automated Payroll Calculation (Including Pag-IBIG & SSS deductions)
4. Employee Attendance History & Salary Breakdown
5. Admin Dashboard for Payroll Management
6. Role-based Salary Computation (Dean: PHP 1500/day, Faculty: PHP 850/day, Staff: PHP 650/day)
7. Payslip Generation & Employee Salary View
8. Search & Filter Options for Attendance Records

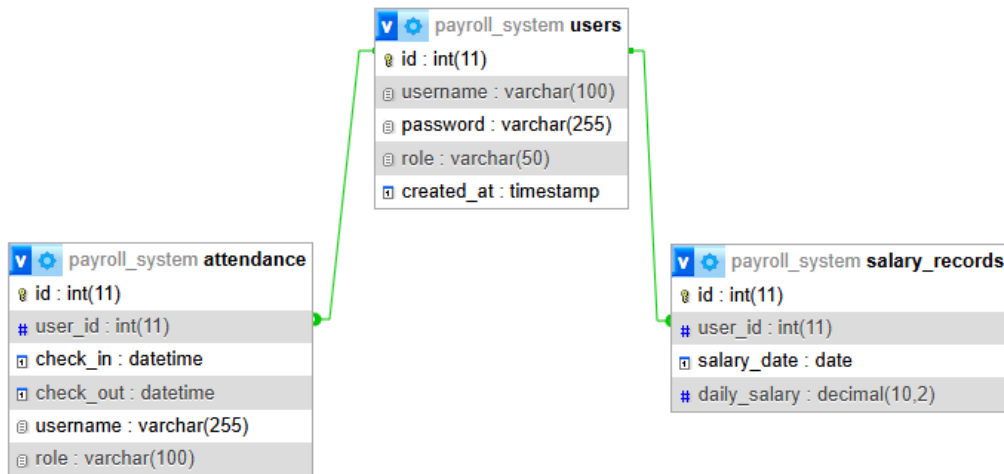
### Key Takeaways:

- Automation increases efficiency by reducing manual payroll processing.
- QR-based check-in improves accuracy in attendance tracking.
- UI/UX design impacts usability, ensuring employees/admins can navigate easily.
- Compliance with deductions (Pag-IBIG, SSS) ensures legal accuracy.

### Point of View:

1. As an HR administrator, I need a secure and efficient way to manage employee attendance and payroll data, so I can ensure accurate salary computation without manual errors.
2. As an employee, I want an easy-to-access portal where I can view my attendance history and salary details, so I can track my earnings and deductions transparently.
3. As a system administrator, I need a reliable authentication system and role-based access control, so I can prevent unauthorized modifications to sensitive payroll data.

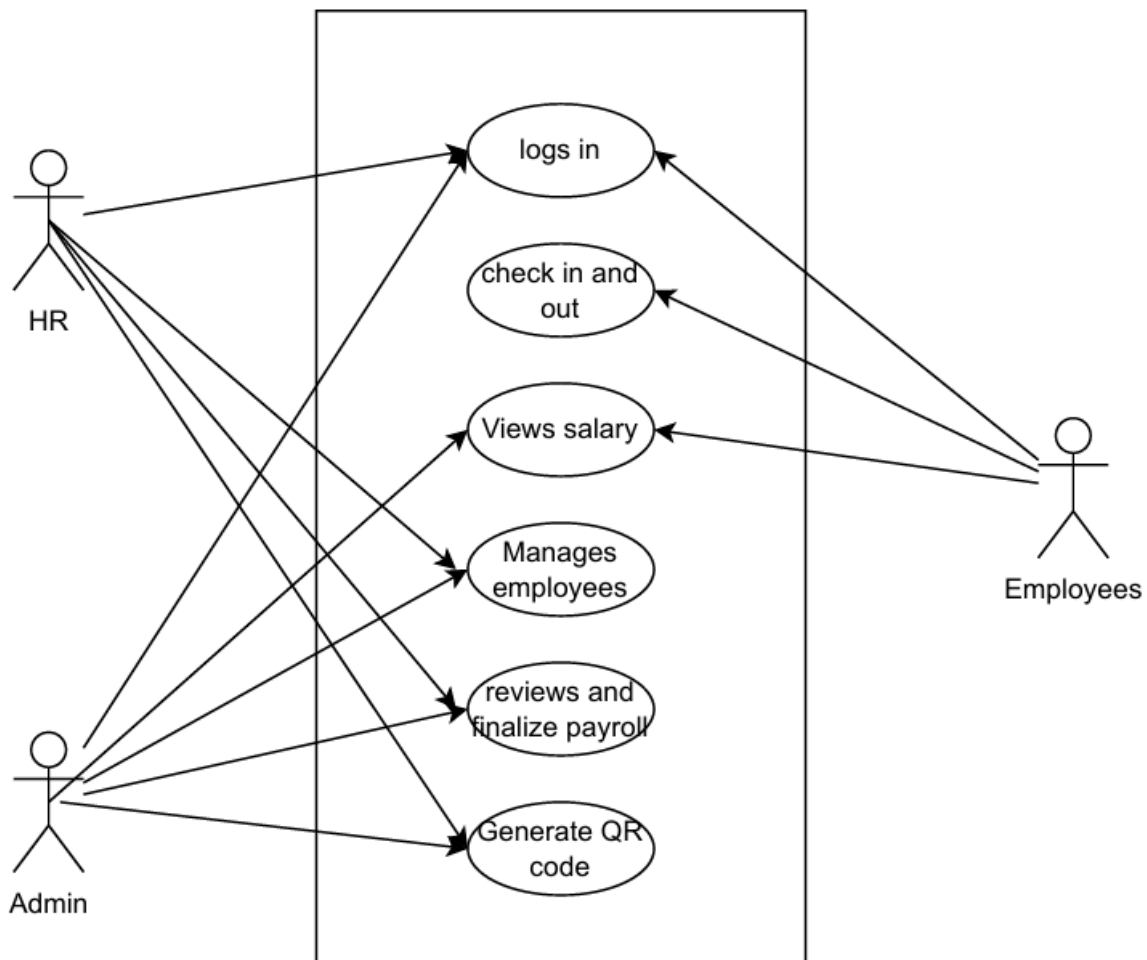
## SQL FUNCTION



### How Might We (HMW):

- How might we ensure secure and efficient payroll management while maintaining ease of access for employees and administrators?
- How might we simplify the employee check-in and check-out process using QR codes while preventing fraudulent attendance records?
- How might we automate salary deductions for Pag-IBIG and SSS to ensure compliance with company policies and government regulations?

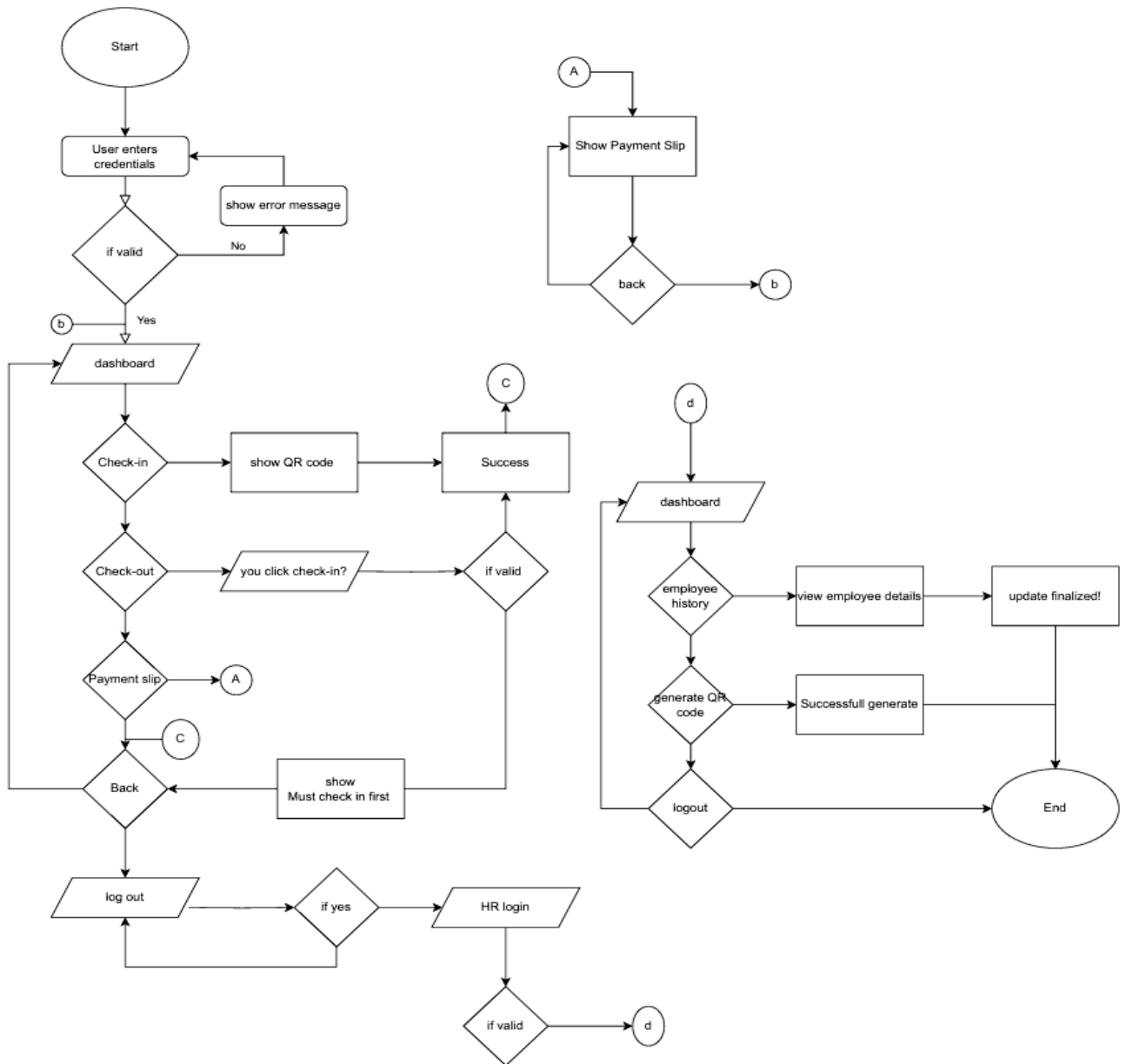
## USE CASE DIAGRAM



### Best Practices to Implement

- **Security Measures:** Use hashed passwords, role-based authentication, and prevent SQL injections.
- **Responsive UI:** Ensure the system works across desktop & mobile devices.
- **Data Accuracy:** Validate check-in/check-out timestamps to prevent fraud.
- **Performance Optimization:** Use caching for frequent queries & optimize database indexes.
- **Backup & Recovery:** Implement daily database backups to prevent data loss.

## FLOWCHART



### Unique Features to Consider

- Face Recognition for Check-in/Out (as an upgrade to QR)
- Payroll Report Generation for admins
- Dark & Light Mode Toggle for better UI accessibility
- Employee Self-Service Portal to update personal information
- Overtime & Late Deduction System (to auto-adjust salary computations)

## Ideal List

### I. Content Organization

- Categorized payroll reports (e.g., by department, employee role)
- Clear breakdown of salary computation (basic pay, deductions, net pay)
- Searchable and filterable employee records

### II. User Engagement

- Employee dashboard with attendance insights
- Notifications for payroll release and deductions
- Feedback system for payroll concerns

### III. Navigation & Accessibility

- Intuitive menu for attendance, salary history, and tax deductions
- Role-based access (admin, HR, employee) for secure navigation
- Mobile-friendly and responsive design

### IV. Personalization & User Experience

- Customizable payroll reports for admins
- Employee profile with salary history and leave requests
- Dark mode and accessibility options

### V. Visual & Interactive Design

- QR code-based attendance tracking UI
- Graphical reports (bar charts for salary trends)
- Modern and clean UI for improved usability

# PROTOTYPE

Figma link:

<https://www.figma.com/board/iRUCqyhIAE9jNML00sgHnO/Welcome-to-FigJam?node-id=0-1&t=slnQJ8u5lzwcmQpa-1>

Github Link; <https://github.com/MANZANO24-dev/WorkPay-system.git>

