

Cagayan De Oro College Phinma Education



# WORKPAY SYSTEM

INFORMATION TECHNOLOGY

PRESENTED BY:

MANZANO, JOHN ANGELO

## **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.

**Developer:**

John Angelo Manzano

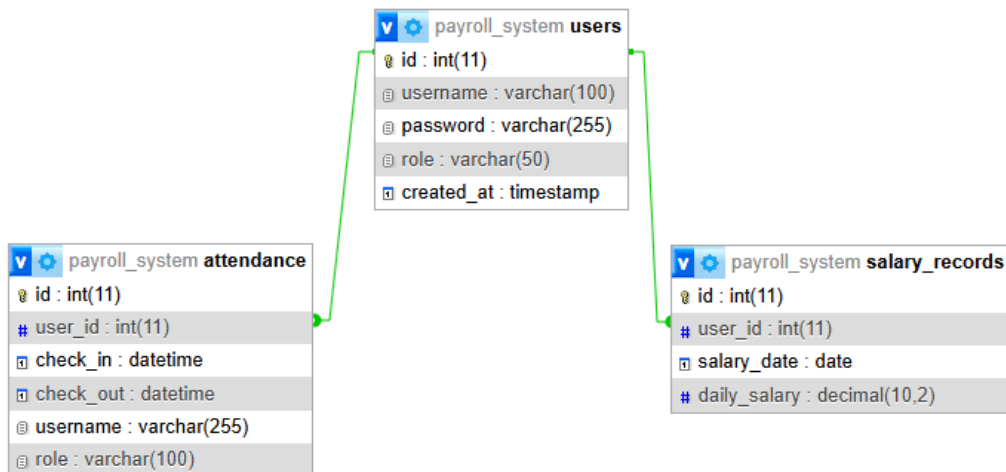
**Functional Features to Adopt:**

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

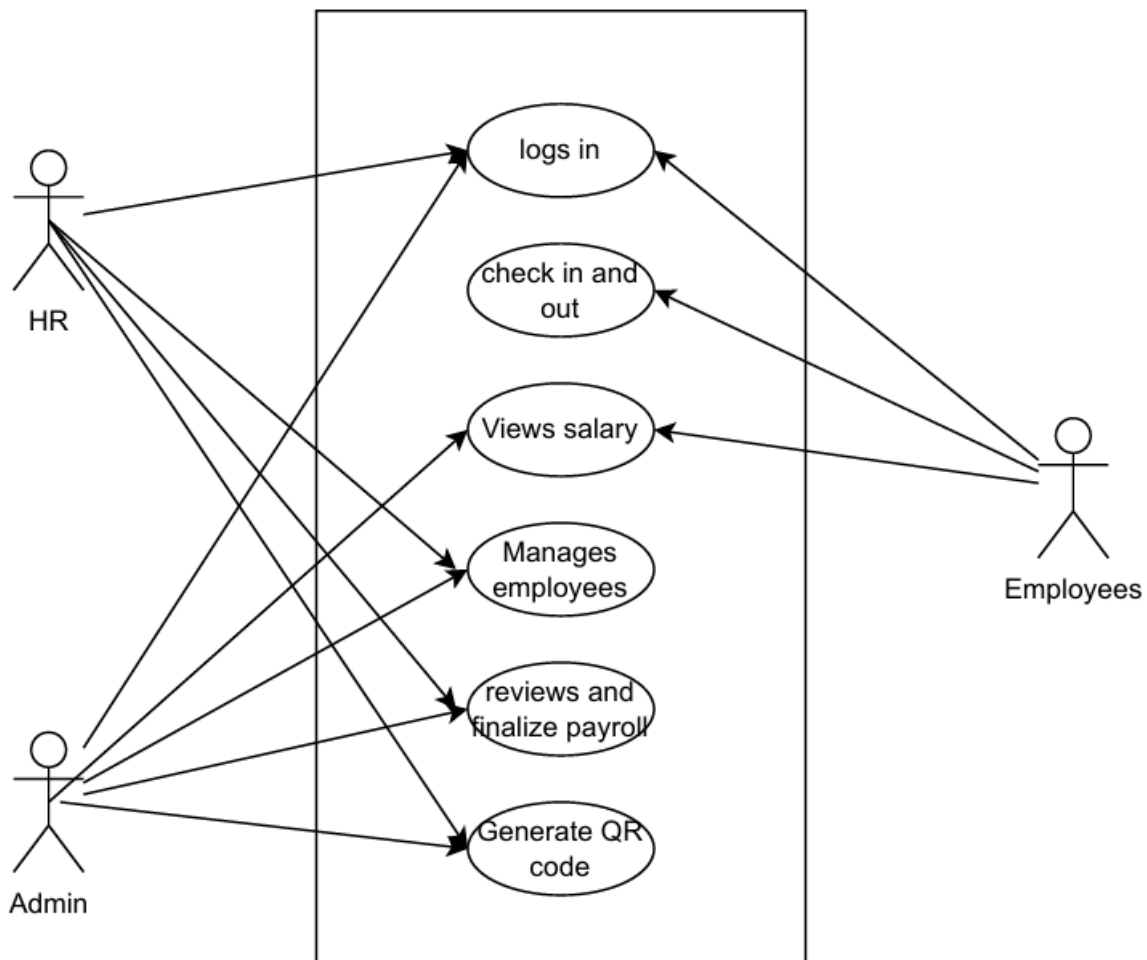
## Key Takeaways

- 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.

## SQL FUNCTION



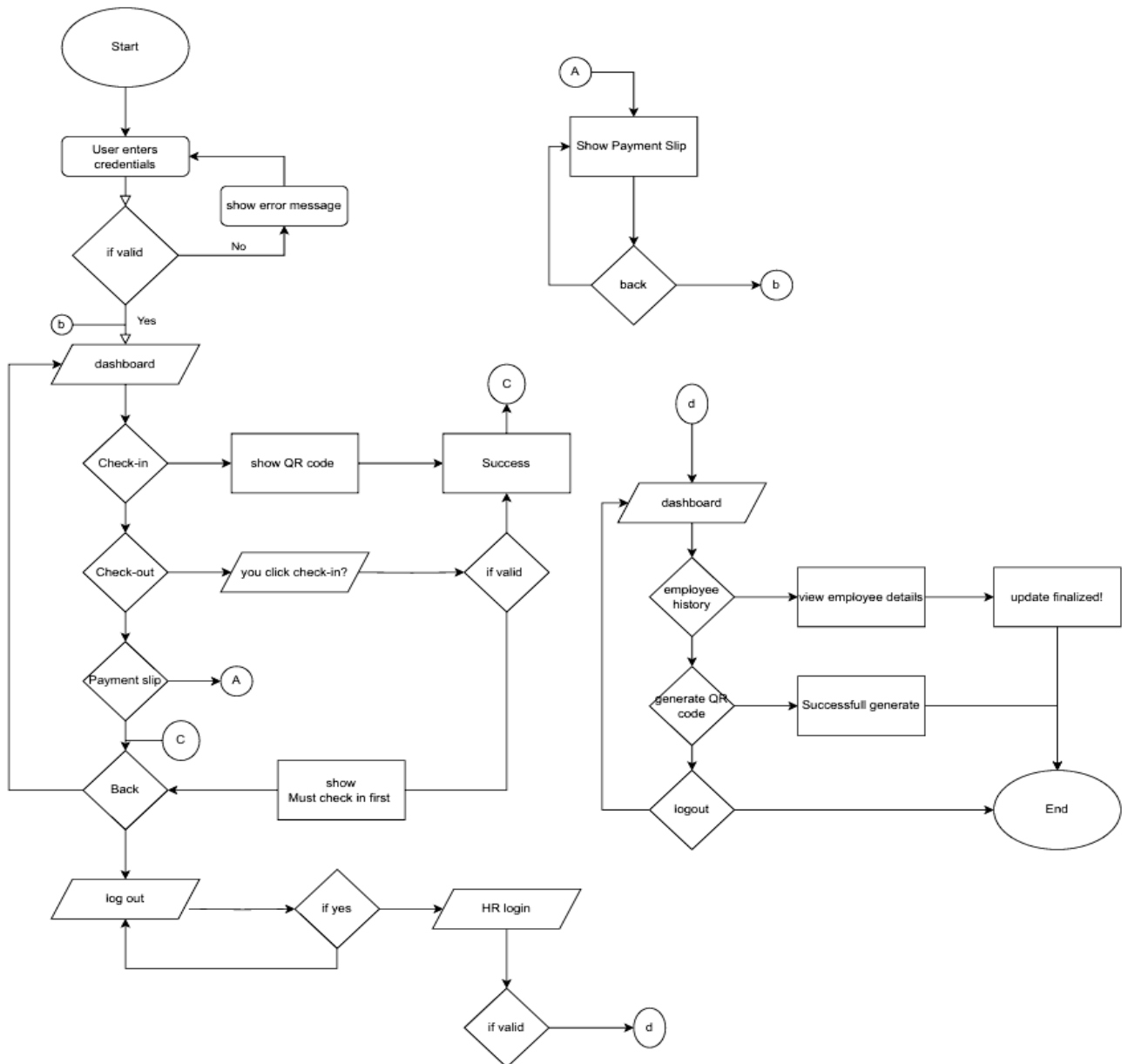
## USE CASE DIAGRAM



### 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

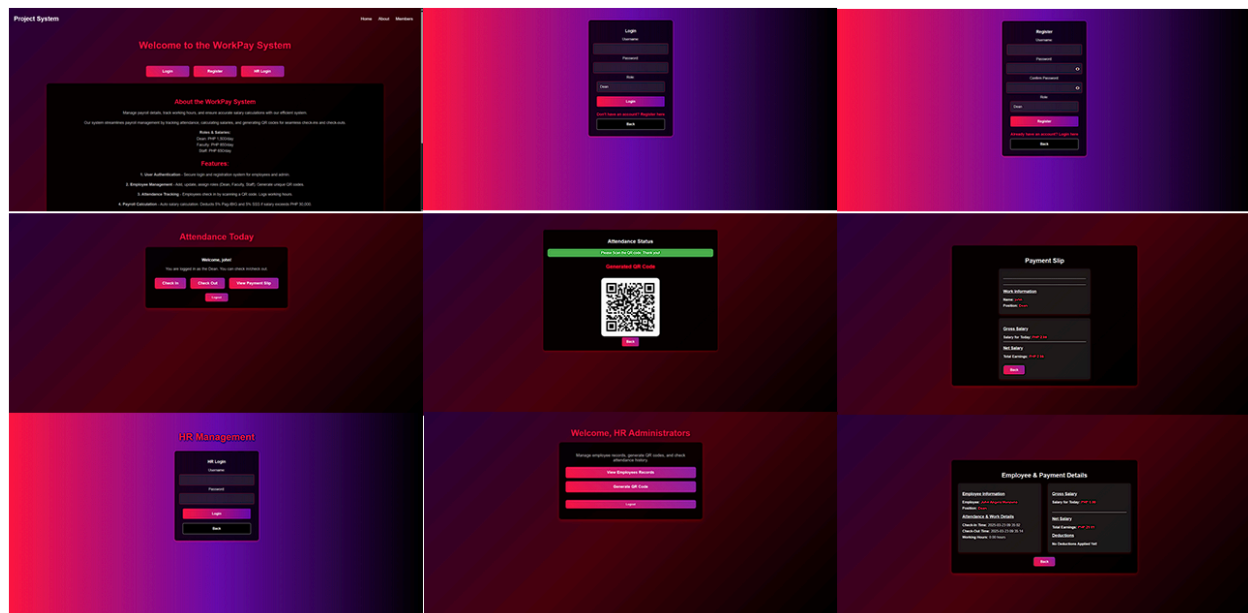
- Face Recognition for Check-in/Out (as an upgrade to QR)
- Payroll Report Generation for admins
- Dark & Light Mode Toggle for better UI accessibility
- Employee Self-Service Portal to update personal information
- Overtime & Late Deduction System (to auto-adjust salary computations)

## 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>



## 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