

EMPLOYEE MANAGEMENT SYSTEM FOR MADB

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Abstract. Every organization including government or private uses an information system to store their staff's data. The traditional system requires many efforts and consumes a significant amount of time to manage the information. If manual management methods are rapidly being replaced by digital systems, tracking employee data, performance metrics, and attendance records will be easily enabled. The main objective of this system to manage employee's information more effective and accurate than the traditional system in a short time. Employee Management System (EMS) is becoming increasingly aware of the need for smarter solutions that simplify HR processes and improve employee experiences.

Keyword: employee management, salary calculation, attendance, html, css, javascript

INTRODUCTION

The MADB Hinthada Employee Management System (EMS) is a comprehensive digital solution designed to streamline and enhance the management of employees within the Myanma Agricultural Development Bank (MADB) in Hinthada. With a focus on efficiency, transparency, and data accuracy, this system automates key human resource functions such as employee records, attendance, leave management, and performance tracking. The EMS is tailored to meet the unique operational needs of MADB Hinthada, ensuring that HR processes are simplified and well-organized, contributing to better workforce management and productivity.

PROBLEM

The proposed system is intended to use in Myanmar Agricultural Development Bank (MADB) at Hinthada. The traditional system in the organization still uses documents to record the data of their employees. So, many spaces to store the documents and rooms are needed in the traditional system. In the traditional system, if employees want to take leave, it's not easy and there is a lot of work. Also, if the employees forget their leave days, they have to ask the manager again, which is time-consuming and busy. When calculating the salary, it is time-consuming to pay the salary because it has to be calculated according to the salary cut, the additional income of the allowance, and the number of unpaid leave. In this system, there are several functions such as leaving management, attending management, salary management according to the staff's position. By using Employee Management System (EMS), users can

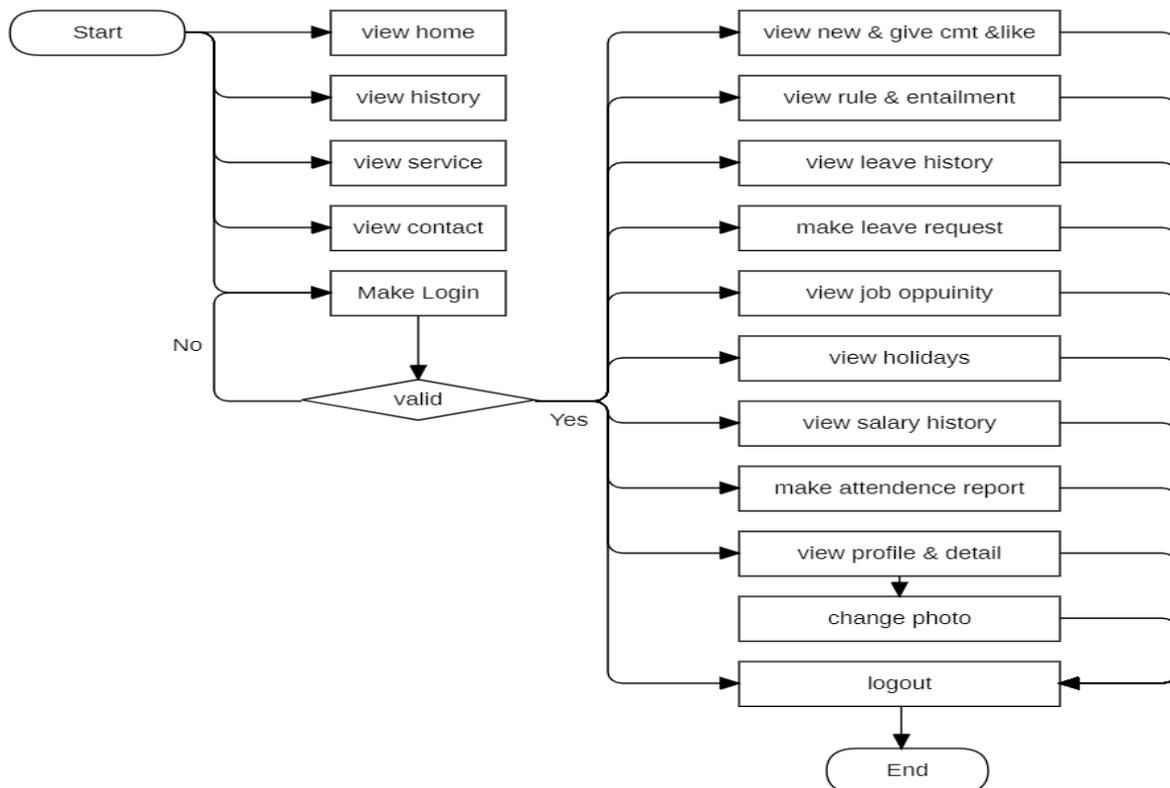
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search their information using keywords and get results based on those keywords. The proposed system is very convenient for users including manager and employee to track their staff information and to view the respective information.

APPROACH

In this system, it has two main components: manager and employee. Figure 1 shows the system flow diagram of the Employee. Employees can log in (with username and password) to view their profiles, they can change their profile photo, view the rules of MADB, and read MADB history. They can report their attendance and can view their leave day history and public holidays. By using this system, there will not be loss of employee records or payroll information, which can occur with traditional management methods.

Figure 1 shows the system flow diagram of the employee. Employees have access to various sections, such as Home, History, Service, and Contact, even before logging in. Once an employee successfully logs in with the correct username and password, they are directed to the Employee Home Page. They can view daily news updates posted by the manager. If an employee wants to take a leave, they can select the type of leave they want and submit the form. The employee can view his employee card and change the image. He can also check the details of the salary and log out. This streamlines the process of requesting time off, making it more efficient and transparent. The system also allows employees to view their employee card and update their profile picture if they choose. Furthermore, they can access detailed information about their salary, including any changes or updates. Finally, employees can securely log out of the system to protect their personal information and maintain confidentiality



. Figure 1: System Flow Diagram of Employee

Figure 2 shows the system flow diagram for the manager. If the correct username and password are entered and the user has a manager role, they will be directed to the Manager Home Page. The manager has a variety of management tools at their disposal. A manager can view and confirm daily attendance reports submitted by employees, ensuring accurate record-keeping.

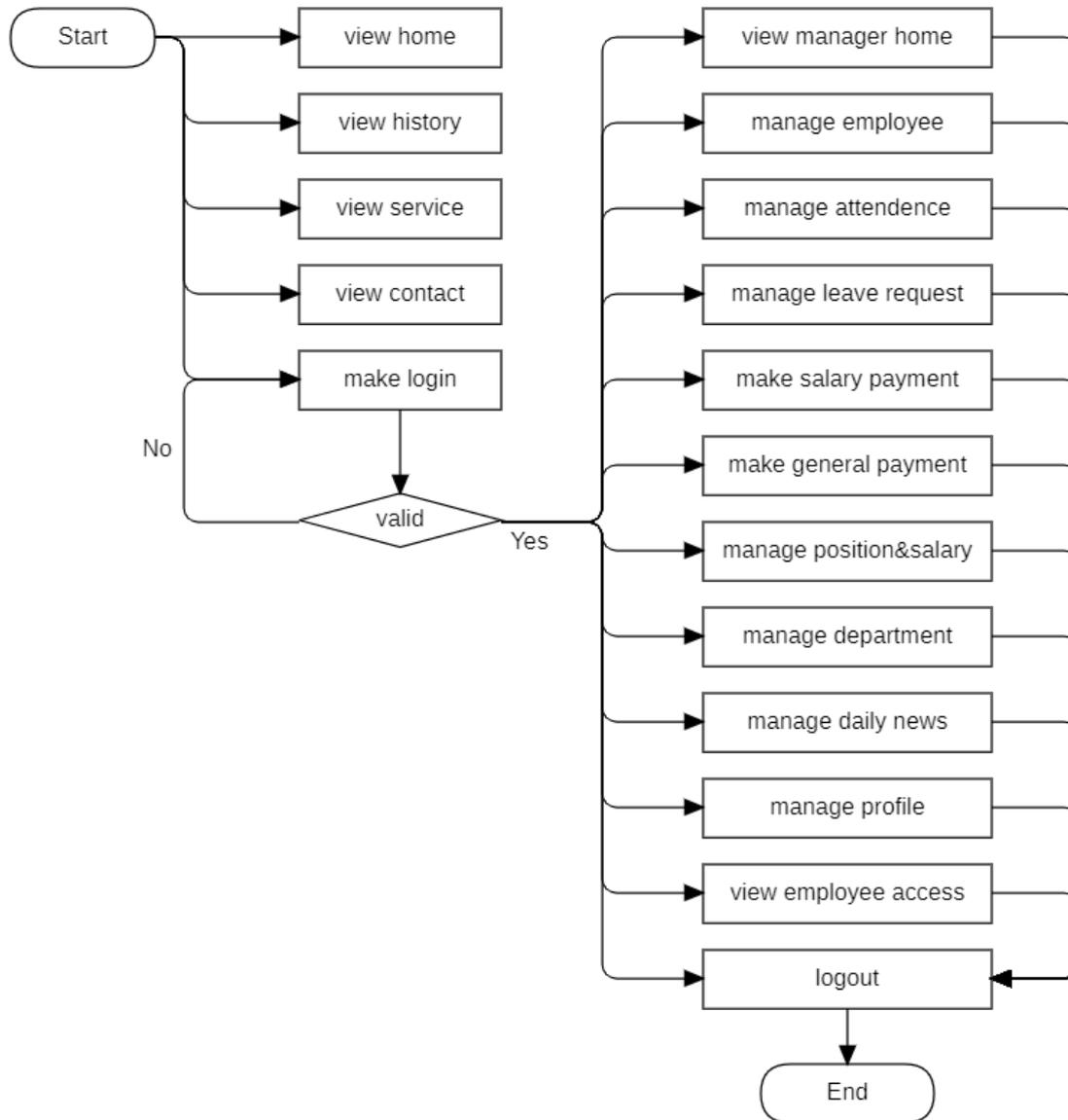


Figure 2: System Flow Diagram of Manager

An Entity Relationship Diagram uses data modeling techniques that can help define business processes and serve as the foundation for a relational database. An ERD attribute can be denoted as a primary key, which identifies a unique attribute, or a foreign key, which can be assigned to multiple attributes [2]. A cardinality notation can then define the attributes of the relationship between the entities. In the database, there are six data tables for administrator and five data tables for the user. The tables are users, feedback, news, announcement, appointment and medicine. The figure 3 shows database design for all the data tables and their relationship of the database.

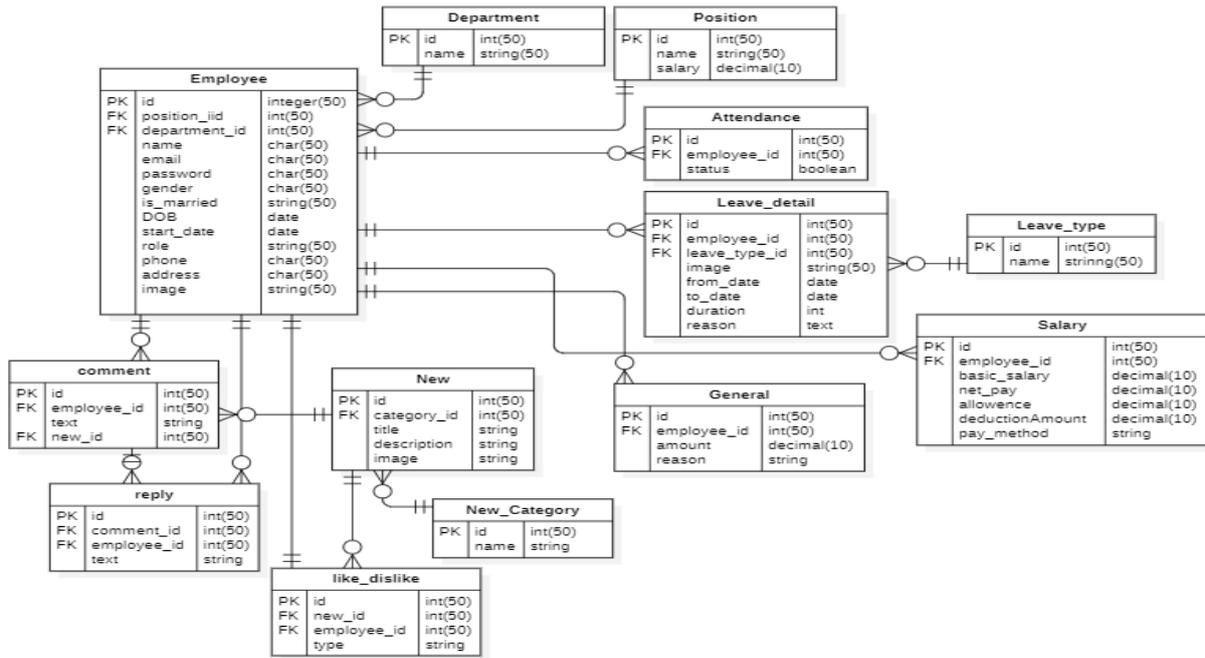


Figure 3: Database Design

RESULTS

The design of each page of the MADB Hinthada Employee Management System (EMS) has been carefully crafted to be user-friendly and efficient. Employees can quickly navigate through the system to find essential information such as department updates, personal details, and leave balances, all without the need to log in, as long as they have an internet connection on their mobile devices or computers. The system offers enhanced features such as viewing detailed profile information, applying for leave, tracking attendance, and submitting feedback to help improve the system.



ပင်မစာမျက်နှာ သမိုင်းကြောင်း သတင်းများ ဝန်ဆောင်မှု အကောင်အထည်ဖော်မှု ပင်မရုံးချုပ်



ရည်မှန်းချက်

ဘဏ်၏ အဓိက ရည်မှန်းချက်မှာ ဒိုင်တော်အတွင်း စိုက်ပျိုးရေး လုပ်ငန်းများ၊ မွေးမြူရေး လုပ်ငန်းများနှင့် ကျေးလက်ဒေသ လူမှုစီးပွားရေး လုပ်ငန်းများ ဖွံ့ဖြိုးတိုးတက်မှုကို ဘဏ်လုပ်ငန်း ဆောင်ရွက်မှုများဖြင့် ထိရောက်စွာ အထောက်အကူပြုစေရန်ဖြစ်ပါသည်။ ဘဏ်သည် မိမိ၏အဓိကရည်မှန်းချက်နှင့်အညီအောက်ပါ ရည်ရွယ်ချက်များကိုလည်းကြိုးပမ်းဆောင်ရွက်ရမည် -

ရည်ရွယ်ချက်

- ချေးငွေလိုလောက်စွာရရှိရမည်။
- ချေးငွေအချိန်မီရရှိရမည်။
- ချေးငွေအပြည့်အဝပြန်လည်ကောက်ခံရမည်။
- ငွေစုဆောင်းခြင်းဖြင့် အရင်းအနှီးရရှိနိုင်ရမည်။

Figure 4: Implementation of this system

CONCLUSION

The MADB Hinthada Employee Management System (EMS) is implemented for managing employees of the Myanmar Agricultural Development Bank (MADB) in Hinthada. The EMS plays a vital role in the efficient management of human resources within the organization, ensuring seamless communication between employees and the manager. This system is designed to streamline key administrative tasks, such as attendance tracking, leave management, and employee record maintenance, all contributing to improved workforce management [3]. By offering an organized and accessible platform, the EMS significantly enhances the overall efficiency of the MADB Hinthada's workforce management processes. In conclusion, the Employee Management System is crucial for optimizing the internal operations of MADB Hinthada, contributing to improved employee satisfaction and organizational productivity.

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