

COMMUNITY FINANCIAL MANAGEMENT SYSTEM

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Abstract –

The aim of the project is to provide fulfill requirements to maintain daily activities operations of apartments. It helps to store all transactions electronically in a system, it helps to saves a time lot, end make a community well organized. It helps to plan many apartments parallely. Presently they maintain all records manually, to keep **track of tenant, block details, house details, payment details** etc., To manage all the transactions we proposed herewith a software solution which will take care all the necessary transactions. This community app helps in multiple ways to the user. The present system will have the modules. The community apartment makes the facilities simple to user as well as admin and the caretaker for the money transfer and help desk helps to new user's when they are stuck in the flow of every purposes. and spending report is become too tedious and difficult to extract in a given amount of time and caretaker is a similar kind of admin and it is used to handle admin login details and user's payment history and caretaker have some special access that user cannot access like he or she can view all the user details and see the support tickets and payment history status as pending or resolved and the payment details will be send to respective user's via Email and helps the separate the data payment.

I Introduction -

The need of the community apartment management fetched a basic tool for managing payment process and other payment related process flexible with more of interactions between user and the caretaker as well as admin. It helps to track whole payment details and the customers complaint handling and the status of the apartment by helping in the pandemic situation without direct interactions related of payment process. The user's complaint can be handles by caretaker and admin check's the caretaker's activity. This project helps and challenged that contact rejected pay user's and see all the payment reports based on given date range and admin can able to manage apartment family by add or remove or edit family by admin and the user can able to login after creating an account with the help of manager or simply called as admin. We had team members who worked on rent interactions, inspection processes, maintenance and the unfortunate possibility that a tenant's lease might be

terminated, either by the tenants or the landlord's choice. Many organizations construct several communities or flats with the help of simple webapp. It helps to store record in the separate page with more security. It helps to track user's actions and activities regarding daily such action. It helps the user to remember the payment details with the help of our app by sending remainder mail to the user and he can pay the bill with the help of user's login portal. In the pandemic situation, now a days the user's felt uncomfortable regarding the direct interaction with the manager for payment process. To resolve this unnecessary action this is the better solution and also the admin need not to collect data's manually this helps to maintain records manually. In order to maintain the whole payment process, this is our proposed solution it helps to care the unnecessary problems and helps to find the alternative solutions regarding payment and other charges like parking, tax process. It helps to admin,

caretaker and the user's in several ways. This web application helps many advantage when comparing to the existing system. The existing system based on this application is to found to have more drawbacks. The chatbot and feasibility is the main drawback of the existing system. This system contains the details about admin, caretaker and user and several other payment details like payment Remainder, Payment details and complaint. In this admin and the caretaker has taken care of all the needs of the user and the table of database can be accessed only by caretaker and the admin regarding any changes. User information contains details about user id, Flat no, phone number, Address etc. The system is developed with PHP as a front-end language and MS SQL as a back-end language. And the main purpose of using this both languages in order to make offline connectivity which is unique from all applications and also user friendly environment with MYSQL server as back end used as an interface between server and front end simple and flexible. The main goal of the application is to maintain the records of user, billing, details of payment and to make a community well organized.

II Literature Survey

This literature paper review, helps in some of the works related to research in the step of Hypertext Preprocessor applications which is web application it has been used almost all over vastly used application. The Hypertext preprocessor [PHP] which is one of the admired language programming. It is extensively used in both in the industry and the free open source software helps to develop higher Web, based applications and their application design frameworks. The Hypertext preprocessor, the PHP which is involved in all the terms and conditions, with the software quality and it is used in all library functions which is used as the object oriented paralysis or paradigm under the evolution of risk facing complexity and more secure with captcha.

Instead of manual maintenance, community application helps in systematic safety and flexible maintenance helped in programming language to maintain higher level state.

The literature review helps in sources with the fixed topic and it is the outlook of major review writings. The fixed sources should be converted into literature review with including of reference books, referred website and sample web applications and also, we can able to refer articles of journal and the government published reports. And it helps to provide the detailed summary and the clear and contract description and the growth of each resources. It is always represented as a well organized with clear detailed section of the educated thesis. And, finally how the web applications become popular? It is mainly by web browsers help and also the flexible usage of web browsers used by client and also called as thin client.

The main reason for popularity of client computer due to, the potentiality to upgrade and maintaining all the webbased applications by installing and downloading the software and also without any several distributions. The Managing file systems is now an easy by organizing records with a logical manner with several format by inherent support of all the cross platforms with retrieved format.

The main functionality of the file system management, which is used to maintain all the data's or records in a single format and maintaining in an organized manner with several functionalities like backup or in simply called as retrievable. The File system helps in paper of cabinet full and several separated drawers to maintain records in a single manner. And it must be useful in anyone or in anyone's organizations or in company helping to access the files ideally. This file management system

also used to represent in organization's quest to went paperless and the electronic file management system helps in basic learning phase and also with navigation purpose, so that it works well in any of the assets and it does not imitate users. The ongoing project concepts helps to guide the researchers with the new updated features and also it is involved in the web based several file managed systems.

The more related concepts of file management system, should be presented or served on the basis of advanced design concepts in the proposed system to welcome or address the several needs of the users and the admin, society and in the workplace.

These payment related queries are given in the researchers based on several objectives in order to provide more security in the present as well as in particularly for formulation of detailed description with more secure and easily accessible with handling of customer complaints, which is the primary concern of the researchers in developing the system. This admin and caretaker portal maintaining same login page by using primary key and mapping of foreign key with restrictions to unauthorized users.

III Existing System

The current system is a manual based which is not computerized especially for apartment tenant and block maintenance process. The system takes lots of time for performing different activities and difficult to maintain the tenant records. If we want to get the details of a particular tenant, we have to search the entire record. Personal details as well as Payment details are stored separately in different registers, Sometimes, there is a chance of data inconsistency, and data redundancy.

Disadvantage:

- Existing system is completely hardcopy.
- Time consuming procedure.
- Tracking of the tenant details is difficult
- Chance for getting error is more

IV Proposed System

The proposed system gets the better of defeating the existing system. The proposed system allows acceptance of details of each tenant detail and to store it in a database. It prevents unauthorized access. By using the system, we can record the apartment details, block details, house details, tenant details, payment Information. Using the system, we can easily search the details of particular tenant.

Advantage

- Admin can add, edit, delete or update the details of apartment, block, House and tenant details.
- No buddy to access the software without username and password
- Avoid redundancy
- Giving accurate information
- To reduce the paper work

IV Implementation

Php:

PHP stands for Hypertext Preprocessor. Hypertext Preprocessor always working inside Microsoft and Apache server as free. PHP code is very easy. PHP is the most used Server Side scripting language. PHP files contain PHP scripts and HTML. PHP files, the extensions are php3, php4 and phtml and php.

Using PHP Generate dynamic web pages. The Hypertext preprocessor can also reveal several contents which is got from different users and different time with different day for html forms processing. It helps to backup or retrieve records which is entered into Html form. Can create database-driven web pages. An PHP can insert new data or retrieve existing data from a database such a MySQL.

Html-

HTML stands for Hypertext Markup Language which is very generalized(SGML), it helps to encode documents of hyper documents and it was verified to be international standard in 1986th year. The documents can be interchanged by encode documents. So it is called as Meta Language for regularizing markup system. SGML can be used by HTML in order to define WWW(world wide web) hyper document's inside connectivity. The rigors to by HTML are TBL and SGML with several limiting factors are addressed with world wide web consortium (aka W3c) at MIT. It is used to styling web pages more interactively.

Mysql-

It is used as backend in each and every system and MYSQL is widely used as the management system related database for each and every applications. Mysql is the structured organized collection of data. The data which can be anything like admin and caretaker modules and the unique records like Flat id, customer id, customer phone number are simply stored in data base with the help of Mysql. and one can able to access and also data processing. data base management system plays a vital role in organizing, saving and also in retrieving datas whenever we needed that records and we can able to store large amount of data in the single data base management system. It reduces

some manual work and also some workflows

I Admin module-

This proposed system is totally secure with same login portal using primary key mapping with foreign key to maintain records in a single store. A person is given access permission to this system when user has got a valid username and password i.e. the administrator. This login portal includes two login credentials in the same login portal like admin and the user by get into login via username and password. The details include: Username and Password

II Caretaker-

Caretaker can be able to login like an admin but admin can't manage all other functionalities like EB bill, tax generation. In order to manage those actions care taker should be taken care of.

Caretaker can handle several modules like.

- 1) Adding Family
- 2) Removing Family
- 3) Editing Family Details

- caretaker can able to set monthly payment

- caretaker can able to contacted whoever the contacts of customer rejected.

- caretaker can able to see the user's history and the customer's complaint

III Payment details-

In this Module Customer view the delivery address payment mode should be displayed. Select the Payment mode option and Paid. The Details Stored in the Database. It should be stored in a separate file for the userfriendly and for future reference. At that point of time, user can see how

much amount has been paid and who are all the defaulters for a given month. In this module, admin can able to send the payment details via payment module and user can pay the payment with the help of payment module.

IV Payment Remainder Mail-

The payment details should be viewed by the User. Admin can remainder the payment through the mail. This application keeps track of monthly maintenance payment received from each family. The monthly maintenance to be paid within 10 of each month, system will generate an email remainder from 5th to 10th of every payment. A fine of rupees 100 is collected for all delayed payment. Any activities whether cost related or non -cost related are captured in the system, and tracked. System generates report for any monthly payment the society has to make.

Eg- Salary for vendors who is working on the apartment.

V View Complaint:

This application helps both client, admin and caretaker to track the details with the status report whether it is resolved or done or in progress. And the caretaker should be taken care of all those complaints and it is managed by admin whether it is resolved by caretaker or not. This system is completely useful for clients and it is user-friendly.

VI User

In this user login to the portal via username and password. This application allows on boarding or managing of families living in the apartment. Inward payment for a given date range should be taken care by caretaker.

In this module, no separate login page for user and the admin. This is the main advantage of the

application and it is user-friendly. And they have separate apartment official mail only can able to login.

VII Post Complaint-

In case user is not satisfied with the product performance and finds any flaws then he can demand for a service in the Apartment by posting his request to the Admin. Based on the complaint registered the complaint will be allocated.

And the caretaker can taken care of complaints reported by client and finally, the duty of caretaker is to resolve and update the status to admin via the same portal.

VIII update status complaint-

This update status complaint module, it is accessed by admin and the caretaker. Mostly by care taker whether it is resolved or in pending state and the final report to be submitted to the admin. Update or edit can be made only by admin and the care taker and the user can only able to identify the status column.

IX View House Payment Details-

In this user can able to see how much monthly payment need to pay and he can pay the bill with the help of that user separated document and able to see the payment history of that user, and also caretaker can able to send or update or edit the payment details.

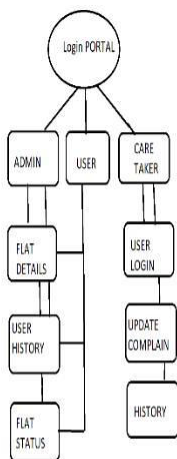
X Rent Entry

In Rent Entry Details Module Admin can entry the Apartment Details. It Contains Information about the Rent details. Administrator maintains details of the Rent and Rent entry details can finally store the information in database.

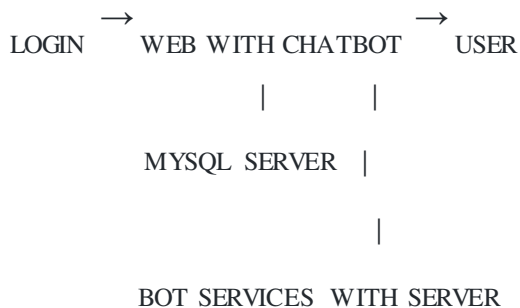
In this module, admin can send the payment to the caretaker and the care taker should be taken care of by forwarding it to customers and also can receive the payment from the client. The Client should pay the payment. The admin also should pay the initial payment.

V Illustration-

Let us consider our application is running in web application:



I SYSTEM DESIGN:



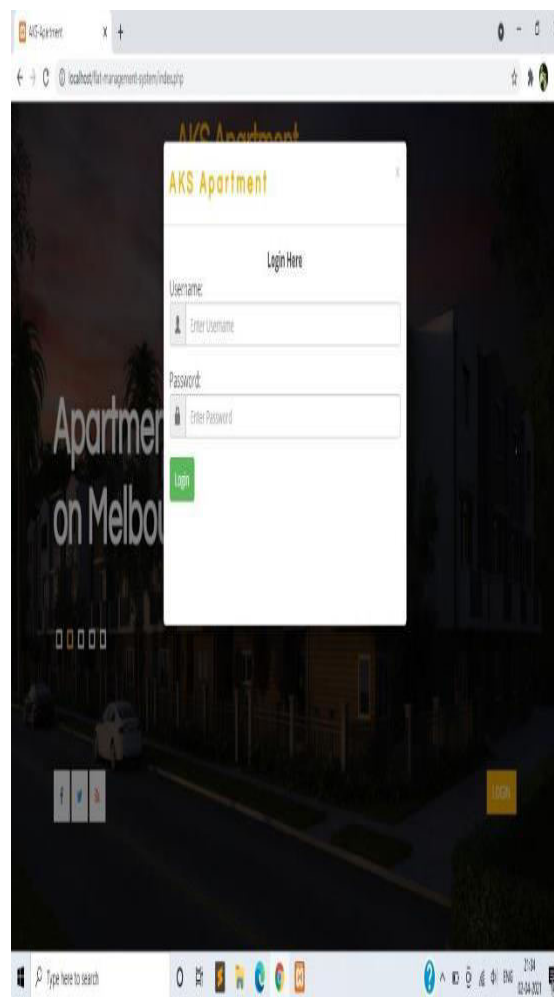
The illustration explains our system design with simple and context.

II ER DIAGRAM-

It helps to analyse our requirements through the diagram easily. The ER model is real world entity and relations among them and this is the good practice before start our project.

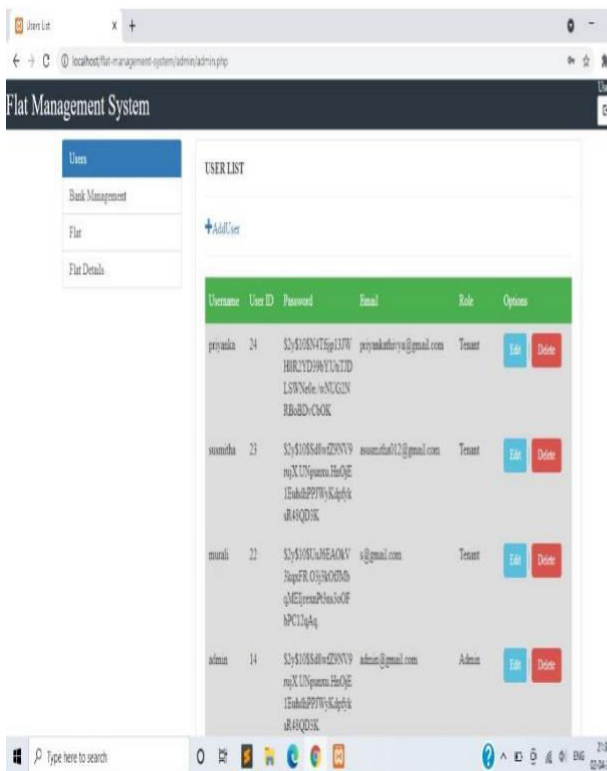
VI Result and discussion-

1) LOGIN PAGE



This is an example for login portal for user, admin and caretaker.

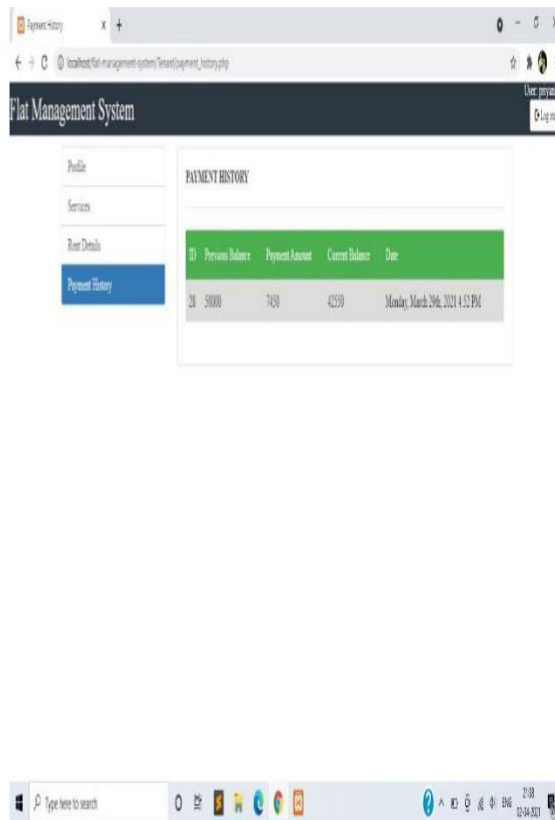
2) USER DETAILS



Username	User ID	Password	Email	Role	Options
priyanka	24	\$2y\$10\$N47Eip137W H8K2YD98YU67JD LSW9eLe toNUG2N RBu8D-CMOK	priyankathirya@gmail.com	Tenant	Edit Delete
sumitha	23	\$2y\$10\$Sd8mZ8N9Y nqX UNpansu HatQe JEnd8P97W5Kdphk a8A9QD3K	sumitha12@gmail.com	Tenant	Edit Delete
murali	22	\$2y\$10\$UuHEAONV 3agpFR.034OC0d qMEjvrsuPhus3oGF hPC13q4g	s@gmail.com	Tenant	Edit Delete
admin	14	\$2y\$10\$Sd8mZ8N9Y nqX UNpansu HatQe JEnd8P97W5Kdphk a8A9QD3K	admin@gmail.com	Admin	Edit Delete

This is an example for user who are in apartment.

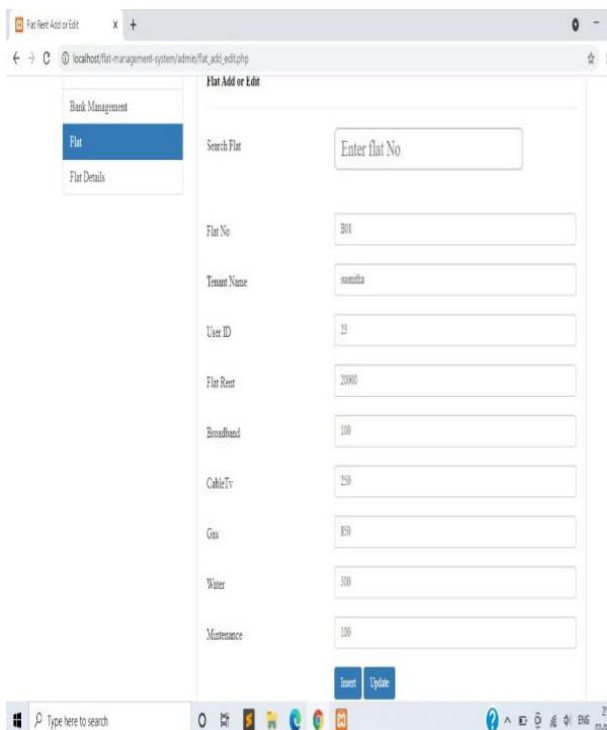
4) PAYMENT HISTORY



ID	Previous Balance	Payment Amount	Current Balance	Date
28	50000	7400	42500	Monday, March 29th, 2021 4:52 PM

This is an example for payment history

3) FLAT DETAILS



Flat Add or Edit

Search Flat: Enter flat No

Flat No: 804

Tenant Name: sumitha

User ID: 23

Flat Rent: 20000

Broadband: 100

Cable TV: 250

Gas: 850

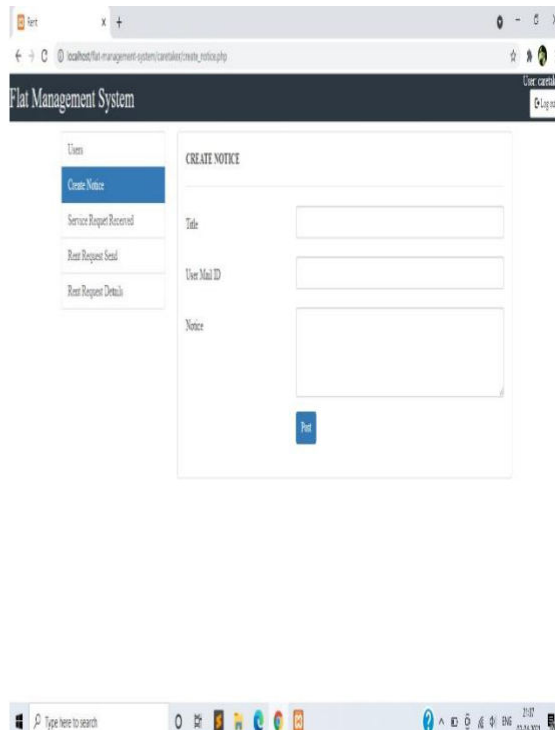
Water: 300

Maintenance: 100

Buttons: Insert, Update

This is an example for flat details

5) MAIL REMAINDER



Create Notice

Title:

User Mail ID:

Notice:

Buttons: Post

This is an example for notification mail remainder

6) PAYMENT HISTORY



This is an example for user payment history details

VII References-

Book Reference:

- Professional PHP6, By Ed Lecky-Thompson, Steven D. Nowicki, and Thomas Myer
- Learning PHP, MySQL, and JavaScript: A Step-by-Step Guide to Creating Dynamic Websites, By Robin Nixon
- PHP Solutions: Dynamic Web Design Made Easy, By David Powers
- Beginning PHP and MySQL: From Novice To Professional, By W. Jason Gilmore
- Head First PHP & MySQL, By Lynn Beighley and Michael Morrison
- Core PHP programming By Leon Atkinson, Zeev Suraski.
- PHP Object-Oriented Solutions By David Powers

Web Reference:

www.w3schools.com

www.php.net/manual/en/tutorial.php

www.tutorialspoint.com

www.tizag.com/php

www.codecademy.com/tracks/php

VIII Conclusion-

The “COMMUNITY FINANCIAL MANAGEMENT SYSTEM” has been developed to satisfy all proposed requirements. The process is maintained more simple and easy. The system is highly scalable and user friendly. Almost all the system objectives have been met. The system has been tested under all criteria. The system minimizes the problem arising in the existing manual system and it eliminates the human errors to zero level. The design of the database is flexible ensuring that the system can be implemented. It is implemented and gone through all validation. All phases of development were conceived using methodologies. User with little training can get the required report. The software executes successfully by fulfilling the objectives of the project. Further extensions to this system can be made required with minor modifications.