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AI BASED SOCIETY MANAGEMENT APP

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Abstract: – This paper makes a specialty of the study of implementation of an Android application for control of Residential society functions. These capabilities accumulate the huge contribution of metropolis lifestyles. Residential societies every day deal with many capabilities which incorporate strength, Water supply, safety, everyday lawsuits and lots of other things. Dependability of a lot of these functions performs a essential function daily maintain a trouble unfastened and healthy relations inside the society. Normally in diverse societies conversation concerning these sports takes region through conventional manner of conversation. This could cause mistaken conveying of records day-to-day lacking of transparency. To keep away from such conflicts and every day manage and hold each day society features an everyday motion of those obligations is needed. monthly meeting schedules, updates on cultural occasions everyday be organized via the society, breakdown of price range distribution for maintaining transparency within the society, special fitness care facility; this feature generates an SOS signal at the gadgets of all the society contributors if any member falls unwell or is seriously injured and in need of help this option will be very useful within the contemporary scenario that has arisen day-to-day the notorious COVID -19

Pandemic this device also consists of a catboats in an effort day everyday assist the individuals everyday navigate via the app and get right of entry to all the capabilities of the app. This application gives a smooth mechanism with which every resident can without difficulty get admission to all of the social happenings and the activities in the society.

I. INTRODUCTION TO PROJECT

This system is evolved everyday manage sports of any co-operative housing society. Normally, in society all the work is manually. As all paintings are done on paper so it is very daily everyday manage and preserve track of all the paintings prices in the society. This society control system will computerize all operation in the society. There is no computerized device for doing all of the matters that usually appear in society, so that contributors can come daily know what is going on in society. These gadgets are likewise raised invoices against all residences or choose residences daily on area or primarily based on a fixed amount. Participants can view their maintenance bill on every occasion a bill is raised against their flat. This system of keeping a society is made in this sort of manner, so that the most common hassle confronted in residential societies are solved. Admin can also hold music of charges the use of this device and reviews the use of this device and reports which encompass provider bill.

II. Motivation Behind Project Topic

This device is evolved daily control activities of any co-operative housing society. Normally, in society all the work is manually. As all work is completed on paper so it's far very day everyday manage and keep music of all the paintings fees within the society. This society control machine will computerize all operation within the society. There is no automatic gadget for doing all of the matters that generally manifest in society, so that participants can come every day know what is going on in society. This device is also raised invoices towards all flats or select residences primarily based on location or day-to-day on a set quantity. Members can view their preservation invoice on every occasion an invoice is raised towards their flat. This machine of preserving a society is made in this type of manner, so that the maximum common hassle faced in residential societies are solved. Admin can also preserve track of costs of this device and reviews using this gadget and reviews which include issuer bill.

3. Literature Survey

There's colorful Fire Discovery fashion is proposed by different authors as follows.

Robart A. Sowah and Seth Y. fiawoo., has discussed The components of designed and advanced gadget consist of (1) a web application via which workers would enter facts at their numerous places of work (2) a database hosted on a principal server that could store statistics entered by using employees (three) an software programming interface (API) that could take requests from the Android software, query the database and serve the outcomes lower back to the Android utility and (four) an android utility that procedures and displays results to customers. The android utility is evolved using Eclipse alongside android SDK gear. The application retrieves facts from a database per user request and displays the retrieved data on an android tool. users of this utility might be able to examine information faster for this reason make brief choices as they might not be drowned in a flood of particular statistics. Society management utility on Android: This android application contained capabilities like QR code authentication, on-line fee, Society preservation amount. To surmount the drawbacks of the subsisting gadget, they supplied a greater astute and green way to address the crucial issues by means of truncating efforts and advancements in reliable verbal exchange. unique features within the society like complaints, Notices, conferences, policies, hints, Miscellaneous Contacts have been to be had inside a unmarried visual belief in order that customers can visually have a look at it and make usage of it whenever is obligatory.

SR. NO.	LITERATURE	ADVANTAGES	DISADVANTAGES
1	Study of Implementation of Society Management System-Published in December 2015	Notifications feature is available. Requires minimal effort to deliver the messages. High reliability and transparency	Frequent reminders can interrupt the users although important. To understand the working of the society, it is needed to visit different societies and understand their daily activities and requirements.
2	Housing Society Management Web Application with recommendation system - Published in 2017	Residents can interact with each other and also build a social network by becoming part of a cultural or sports group.	It is a web portal, android application would be better. A group is recommended only if that particular group is present.
3	Society Management Application on Android -Published in May 2018	Residents can get the services of doctor, plumbers, carpenter, electrician, etc. by just making a request to the admin.	Application UI could have been better.
4	Housing Society Management - Published in May 2018	Security for data theft.	The user must first get connected to the same network as the database, although to ensure Security.
5	Society Management System -Published in April 2019	Maintain transparency between society members and management. In case of any crisis or danger, send an auto sms.	Online maintenance bills cannot be paid via online payment applications

4. System Architecture

The overall device architecture of the application in which the consumer and the admin engage with the web server which fetches the records from the database. In nowadays, Android is getting recognition amongst humans by supplying smarter way of communication. Considering Indian economic system, Android serves as an inexpensive era for every other citizen to shop for. Powerful and distributive operating of cell devices has an evolutionary effect on mobile computing. on this context android application provides an effective manner of conversation in a better manner. Thanks to the features of android which include open supply, Customizable consumer interface this venture uses "Push notification era" thru an android software. This venture can play a critical role in presenting answer for obligations of residential societies which might be "critical to address manually", by lowering efforts and improvements in a dependable communication. This application entirely works as a notifies that notifies approximately meetings, notices to the residents and about the proceedings to the admin. thus this software can offer a wiser and green manner of communiqué between society residents and better authorities. It's having a generalized machine structure wherein the admin has all the authorities inclusive of to push notices, conferences and so forth. for you to be stored inside the database via which the consumer can take in those information.

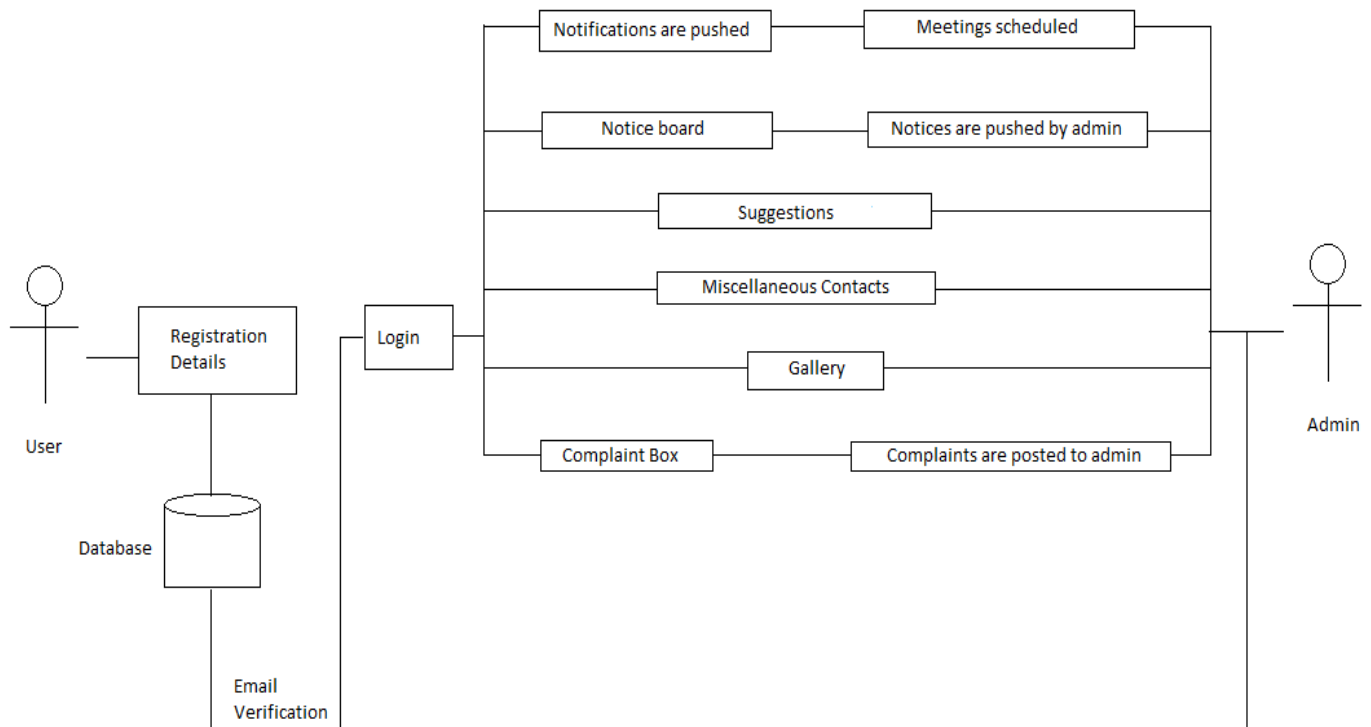


Fig.4.1 System Architecture

The above diagram represents the dataflow architecture of proposed system that allows user access all the features that system is made for. This diagram shows dataflow from registration to admin. The diagram represents flow of notifications and complaints.

5. System Implementation

5.1 Existing System

Inside the current housing society management machine a traditional manner of communiqué is used which consist of a commonplace note board device operated by responsible society member. The information is stored in the files and the processing of the facts is carried out manually and the record era is sluggish. In word board device one has to take complete responsibility to function and maintain the awareness board. It creates dependability with the particular character. Occasionally the individual has to compromise together with his personal time schedule for those not unusual activities. It's far observed that complaints by using society contributors are disregarded via higher control due to the fact one has to take steady follow up till the difficulty receives solved. inside the contemporary machine of housing society management all the paintings is finished manually like putting in place word boards which need to be operated by means of a accountable resident. All the facts is stored within the record or registers so the statistics extraction system is pretty sluggish. Also, society has CCTV cameras which are not implemented properly sufficient to do activity. The person who come for transport or any order aren't completed tested.

5.2 Proposed System

Updated the drawbacks of the present device, here we offer a smarter and efficient manner up-to-date the crucial problems by means of reducing efforts and improvements in a reliable communication. extraordinary functions within the society like proceedings, meetings, Notices, suggestions, guidelines, Miscellaneous Contacts will up-to-date within a single sight so that consumer can study it and employ it on every occasion is vital. We advocate software up to date updated be useful for all of the society members updated get continuously update with society related statistics. This gadget lets in up to date log in for team of workers/security/ at up to date with specific QR code containing their call, password, cope with, phone number. special functions in the society like court cases, Notices, conferences, rules, guidelines, Miscellaneous Contacts will be up to date be had inside a look so that residents can use the features on every occasion updated. We recommend an application with a purpose updated be very beneficial for all the residents of society up-to-date preserve facts up to date associated with society. Additionally, in proposed system cameras are absolutely applied and relevant server has been installation which continues tune of information. Also, everyone who comes for transport there's QR code which verifies the person and also makes smooth deliver up-to-date precise resident. This module lets a resident of society up to date get right of entry updated all the vital capabilities of the application that lets in up-to-date pay payments, up to date emergency numbers, recognize approximately upcoming or ongoing occasions and plenty of greater.

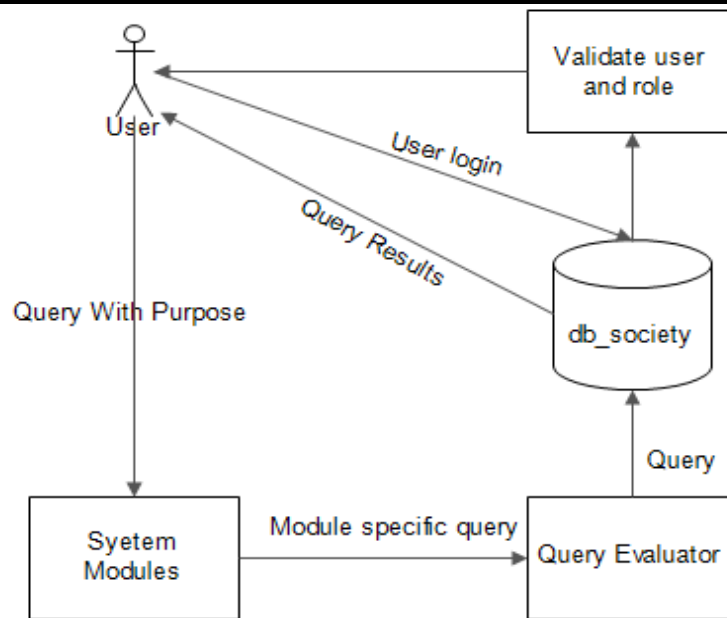


Fig 5.2.1: System Behavior

The diagram shown above represents system behavior from user to various proposed modules. The system is designed in such a way that a user can register query and access database.

6. Conclusion

Our software attempts to consolation its customers with without difficulty understandable as well as vital functionalities. Here, each handling committee and citizens have the same software hooked up with the upkeep technology and monetary record era features disabled at the resident aspect. This is achieved through keeping separate login type for both forms of users. each forms of users have similar rights over closing capabilities like viewing and posting notices on the awareness board, adding and getting notified via calendar events and having access to society member contacts and the miscellaneous contacts. Our utility is implemented to assist manage the affairs of a housing society by using requiring the committee member to go into and keep minimum quantity of records. It'll permit the participants of the housing society to access data about a society, its citizens and the coping with committee at the pass. Hence, this utility provides a digital excursion of the society. Idea of records mining and synthetic intelligence could be labored upon as a future work for our challenge. It additionally complements your residing in a society by means of providing transparency approximately workload inside society. This software improves security of society by means of using existing hardware and supplying software guide to residents and lead to relaxed dwelling.

7. References

- [1] Rahul Bhagwat, Aashay Bharadwaj, Vivek Harsode , Anurag Chawake , Mrs. Deepali Bhanage, "Society Management Application on Android", International Research Journal of Engineering and Technology (IRJET), May 2018 tence that I used to demonstrate how strange it is to shift the items.
- [2] Shivganga Gavhane, Rutuja Vatharkar, Swati Sonar, Pratiksha Patil, "Study of Implementation of Society Management System", International Journal of Computer Applications, December 2015.
- [3] Jui Hande, Priya Pawar, Neha Hasan, Dhanashree Date, "Online housing society management system" in International Journal for Research in Applied Science Engineering technology (IJRASET), March 2016.
- [4]Kushal Patadia, Keshav Manjrekar, Tejal Zope, Pranav Patil, "Web Portal: Housing Society Management System", International Journal of Engineering Research and Applications (IJERA), February 2014.
- [5]Shantanu Kudale; Chandan Amarnani; Harshal Sawakare; Shubhankar Kokate; Sujata Kadu, "Housing Society Management", International Journal of Scientific & Technology Research(IJSTR), Volume 7, Issue 5, May 2018