

Online Medical Store Finding And Availability Of Medicine

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Abstract: Now a day in this world most of them are affected by various types of diseases. So the use of medicine is increasing day by days. Every disease has some medicine to treat it. Medicine are of various types they are in the form of liquid, tablet, capsules, drops, injection etc. but in some situation everyone don't have sufficient time to go to the medical shop for buying their medicines. But medicines are so important for the treatment of their diseases. In chronic type of health issues are based on the medicines availability. Sometimes absences of the medicines change the life of affected person. To avoid such kind of situation this proposed work provides the detail of all the medicine in the pharmacy are stored in with the help of the concepts of cloud computing is the on demand availability of the computer systems resources, mainly data storage and computing power without direct active management by the user.

Keywords: Medical, Medicine, Health Issues, Cloud Computing, Online, Pharmacy

1. INTRODUCTION

Traditionally the details of the medicine are stored on the normal database systems. Due to the change the life style the people are affected by various types of diseases. Most of the peoples are in need to take medicine as their routine life. This is because of the people who are affected by long term diseases. Accessing the healthcare facilities is the basic rights of the common people. Current communication technology plays a major role in every human life. Due to the growth of the computing techniques people can access anything from anywhere from the world. Information technology also influences in the medical domain also. Currently most of the medicals and pharmaceutical companies accept the request from the user's through online mode using the internet facility. In the existing works users can search the availability of the medicine one by one in the shops. This is very difficult and time consuming task. The major disadvantages of the existing works are no secure data transmission and no communication between the user and the clients. To avoid such kind of situation various applications are used to search the medicine.

By using this proposed work the user can search the availability of the medicine within less amount of time. The clients are stored their medicines and their details are stored on the cloud

based systems. The user can easily search about the details of the system through their own mobile or any smart devices. This system is developed by using ASP.Net and SQL server. Cloud computing techniques are used to create the communication between users and client easily. Another one important application of cloud computing is monitor the patient's health condition using wireless body sensor networks. The major benefit of the proposed system is the user can easily find the availability of the medicine and details about the particular medicine like manufacturing date, expiry date, manufacturing company name, quantity available etc.

The second chapter provides the views of various authors about the existing services are available on the healthcare services. Chapter three elaborates the proposed work with its architecture diagram. Chapter four shows about the sample output of the current system. Chapter five concludes the current system.

2. LITERATURE REVIEW

Cloud computing services provide the various services for healthcare applications. It has various benefits than other computing techniques like high storage space, flexible level and low cost. Cloud computing techniques are increases healthcare facilities for the affected people. Lidong Wang et al., 2014 classified the various services of cloud computing in medical domain. The authors presented about privacy and security issues related with the healthcare applications. Using the cloud computing concept the user can access various services based on their own demand. Cost and flexibility are the major key factors of the cloud computing systems. Users can pay the amount for the cloud services based upon the usage level. Cloud techniques are providing health related information to the patient in quick manner. Patient's information is stored in a secure manner. The main benefits of the cloud computing services are it decrease the work load and save the amount. With the help of wireless communication the user can communicate with healthcare professionals, pharmaceutical people, clinical labs etc easily. During the critical situations the healthcare professionals use cloud concept for sending medicine details, billing, check the patient conditions and check the patient disease history. Finger print identification and palm verification methods are increase the data security and authentication [1]

Cloud computing is one of the fastest growing technique. It can be used in various business organizations to store and manage the data. Healthcare sectors also use the concept of cloud computing to store patient's data and medicine details in secure manner. This concept provides the various services on demand basis. Lena Griebel, et al., 2015 reviewed various papers and spot the important current research topic on healthcare in cloud concepts.[2]

In this digital world every organization produces large amount of data daily. In medial domain also generate large volume of information about patient details, medicine prescriptions, clinical test results, employee details etc. Due to growth of huge data new techniques are needed to analyze the data in real time. Cloud computing approaches offer various techniques to analyze healthcare data. It consists of various advantages such as less cost, large storage space scalability etc. Sobeslav V et al., 2017 explore the new technique cloud computing in the field of biomedicine. The main aim of this research work is apply the cloud computing techniques in the domain of bio medicine [3]

In current scenario IoT (Internet of Things) and cloud is the major terms used in various fields. Various researchers are doing their research in these areas. Luo S ET AL. 2016, analyze the usage of cloud and IoT in medical domain. These two techniques are used to handle and manage medical related information. Here the authors developed a framework RMCPHI (Remote Monitoring Cloud Platform of Healthcare Information) for manage medical data. Finally the authors proposed a new PSOSAA concept was developed for monitor health related data [5].

3. PROPOSED SYSTEM

Traditionally the medicines and their related information stored on their own system. The clients only access the details, but the users cannot able to view the data from the client system directly. To avoid such kind of problem the clients stored the details on the centralized storage using the concept of cloud computing. From the centralized system the user can able to see the details in easier manner. The main purpose of this proposed system is to find the details about the medicines using the user's own smart devices. Delivery of the medicine within the particular time is important for various type of chronic disease. So there is a need to do something for these who don't have time to go to the pharmacy. In simple words cloud computing is the delivery of computing services. It is the combination of both software and also hardware. The following figure 1 shows the basic architecture of the proposed system.

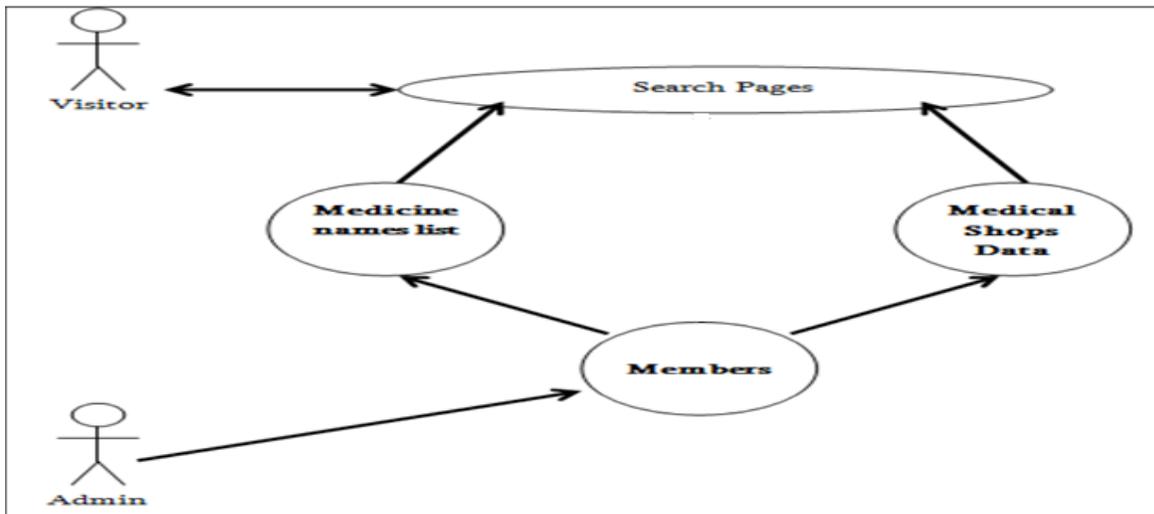


Fig. 1. Architecture of Proposed System

The following figure 2 shows the deployment diagram of the proposed online medical store finding system.

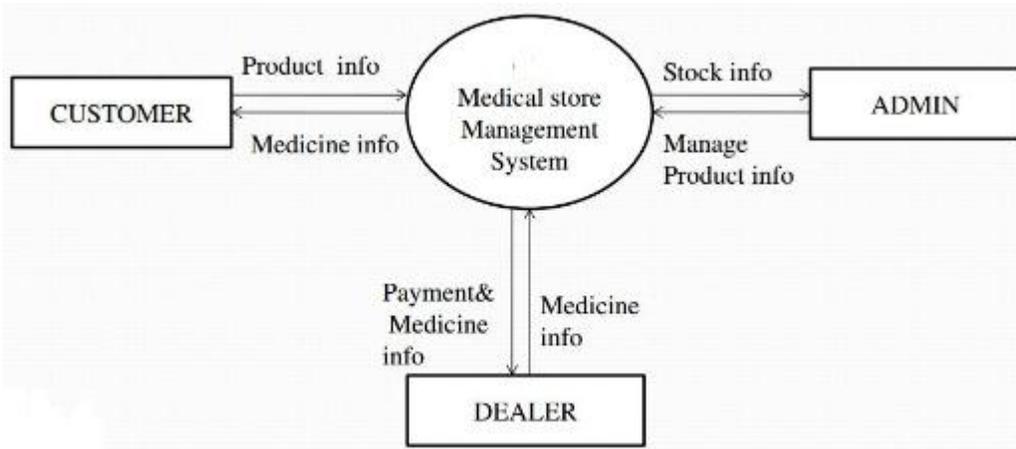


Fig 2 . Deployment Diagram of Proposed System

4. SYSTEM IMPLEMENTATION

The main advantage of the proposed the system is the user can easily find out the availability of particular medicine through own devices. This system also shows the nearest pharmaceutical shops on their devices. This system can be divided into various sections. The important sections are public page, medical store, and medicine search and admin section. The following sections are giving the brief detail about the important sections of the proposed system.

Public Pages Section:

Using this section the users can access the client's information from the centralized storage area. To access this section the users can no need to login. The users are considered as the guests. The users can search the medicine using the search box and find it availability status. After checking the availability of the medicine the users can register the website and purchase the medicine. The medicines are delivered directly to the users living location.

Medical Store Section:

This section can be managed by the admin only. The main function of this section is add the new medicines with the existing details. This section also provides the stock details. The admin only update the details in this section.

Medicines Search Section:

This is the important section of the proposed system. The user can search the medicine using this module. The system will display the availability of the medicine, number of items are available and the particular location of the medical stores. Using this information the users can easily order the medicine through online. The details about the medicines are stored on the common storage area location using the concept of cloud computing.

Admin Section

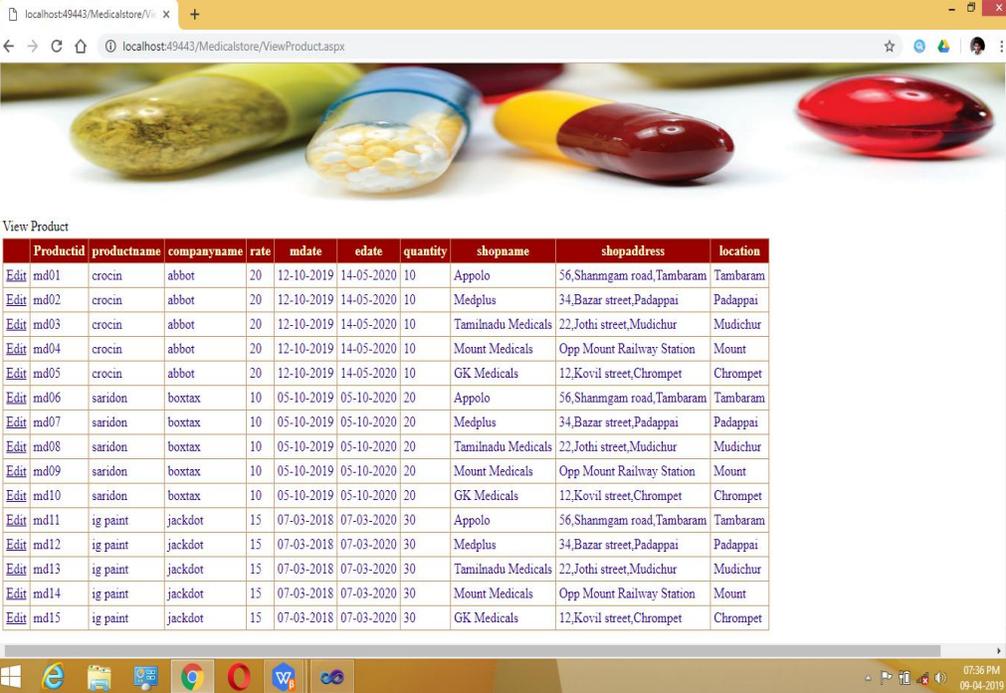
Using this section the administrator manages the website and the main master database. This section only provides the accounts privileges to the users. The administrator can able to see the medicines list, product updating and view the orders. Based upon the order data the medicines are delivered to the users directly.

5. RESULT AND DISUSSION

Most of the healthcare professionals consider that cloud based services increase the quality of the services. This proposed system allows the users to search the medicines, find the availability of the medicines and find the location of the medical stores. By using this all information the user can easily order the required medicine with less amount of time using the own devices. Sometimes unavailability of the medicine also affects the life of the affected people. This proposed system overcome this issue and order the medicine immediately. This system also shows the 24 x 7 service medical store locations. The front end of the system is developed by using ASP.Net and databases are handled by SQL server. Healthcare organizations also turned to cloud based system from existing system. The following figure 3 shows the various sample shots of the proposed system.



Fig 3 a) Screen Shot of Searching Medicine



View Product

	Productid	productname	companyname	rate	mdate	edate	quantity	shopname	shopaddress	location
Edit	md01	crocine	abbot	20	12-10-2019	14-05-2020	10	Appolo	56,Shanngam road,Tambaram	Tambaram
Edit	md02	crocine	abbot	20	12-10-2019	14-05-2020	10	Medplus	34,Bazar street,Padappai	Padappai
Edit	md03	crocine	abbot	20	12-10-2019	14-05-2020	10	Taminadu Medicals	22,Jothi street,Mudichur	Mudichur
Edit	md04	crocine	abbot	20	12-10-2019	14-05-2020	10	Mount Medicals	Opp Mount Railway Station	Mount
Edit	md05	crocine	abbot	20	12-10-2019	14-05-2020	10	GK Medicals	12,Kovil street,Chrompet	Chrompet
Edit	md06	saridon	boxtax	10	05-10-2019	05-10-2020	20	Appolo	56,Shanngam road,Tambaram	Tambaram
Edit	md07	saridon	boxtax	10	05-10-2019	05-10-2020	20	Medplus	34,Bazar street,Padappai	Padappai
Edit	md08	saridon	boxtax	10	05-10-2019	05-10-2020	20	Taminadu Medicals	22,Jothi street,Mudichur	Mudichur
Edit	md09	saridon	boxtax	10	05-10-2019	05-10-2020	20	Mount Medicals	Opp Mount Railway Station	Mount
Edit	md10	saridon	boxtax	10	05-10-2019	05-10-2020	20	GK Medicals	12,Kovil street,Chrompet	Chrompet
Edit	md11	ig paint	jackdot	15	07-03-2018	07-03-2020	30	Appolo	56,Shanngam road,Tambaram	Tambaram
Edit	md12	ig paint	jackdot	15	07-03-2018	07-03-2020	30	Medplus	34,Bazar street,Padappai	Padappai
Edit	md13	ig paint	jackdot	15	07-03-2018	07-03-2020	30	Taminadu Medicals	22,Jothi street,Mudichur	Mudichur
Edit	md14	ig paint	jackdot	15	07-03-2018	07-03-2020	30	Mount Medicals	Opp Mount Railway Station	Mount
Edit	md15	ig paint	jackdot	15	07-03-2018	07-03-2020	30	GK Medicals	12,Kovil street,Chrompet	Chrompet

Fig 3 b) Resultant Screen Shot

The fig 3 a) shows the screen shot for search the medicine crocin. Fig 3 b) shows the result after providing the search data. If the medicine is available on the medical store, this system shows the cost of the medicine, manufacturing date, expiry date, quantity available and shop location.

6. CONCLUSION

This proposed system is used to search the nearest medical shops with less amount of time. This system provides the various advantages of users and pharmacies. The main benefits of the users are: users can issue an order of the medicine from their own devices, provides the details about the discount, Users can able to see various details about the specific medicine and based on the need; users can order the medicines with minimum amount of time. The major benefits of the pharmacies are easy to provide various types of schemes, better user's services, easily rectify the requests of the customers and attract the customers easily. By using this proposed system the users can easily search the required medicine and the concern medical shop.

7. REFERENCES

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