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XPERT DOC FOR MEDICAL EMERGENCIES

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Abstract: Communication through web is turning out to be absolutely necessary nowadays. An online communication permits the clients to speak with others in a quick and advantageous manner. Thinking about this, the online communication application must be capable of the writings or pictures or some other documentations. It must be capable of offering the users a commendable customer support.

Keywords: communication, web, clients, applications, Documentations

I. INTRODUCTION

Healthcare is a field that affects us all. Access to quality healthcare is a basic human need. The field of healthcare has been evolving at a rapid pace. New technologies are being developed that can improve the quality of care and provide better access to care for a larger number of people.

You can text or call your doctor, when it's urgent. No waiting, no voicemail, no missed calls. You can text or call your doctor for a same-day appointment when it's urgent, without waiting or leaving voicemails. And if you don't get through, you can try again, without leaving voicemails or waiting on calls that are never returned.

Xpert Doc is a full stack real-time messaging app for healthcare. It connects you with doctors and specialist in seconds and allows you to text them securely. You can also use the app to chat with doctors, send photos and videos, and get text notifications when doctors respond.

This is a unique online healthcare platform where you can connect with doctors and other health experts, 24/7, in a secure and private environment. You can ask the experts questions, share your health history and record your experiences in your Health Journal. You can also find the best doctors and healthcare providers in your area. It is also a platform where you can find answers to your health questions and discover ways to improve your health, all in one place.

II. RELATED WORK

We have used Windows 10 operating system as its very common OS now days. Windows 10 is a very powerful operating system which comes with lots of features and improves the performance of the system. It's so powerful

that it can be used as your primary operating system.

Microsoft has provided us many tools like Visual Studio Code, Power Shell, and many more which we are using in our day to day tasks. VS code is one of the most used tools in our development work.

It is more secure than other operating systems because it comes with many built-in security features. It also comes with many built-in applications which are very helpful in performing day to day activities.

One of the major tasks in developing web applications is to compile and execute the codes. We have used Java Script to provide logic to static and dynamic components of our web app. It can be called as the brain of our web application. It provides the logic to the web app by executing the codes.

Compiling and executing the codes are the two most common tasks of any developer. We need to compile our codes so that it can be executed on the system. We can use many different languages for compiling our codes but the most common one is Java Script.

Our application is based on a complete MERN stack, which is a software architecture that is particularly good at scaling and is used to build large scale web applications. MERN refers to Mongo DB Atlas, Express React.js and Node.js. :

Mongo DB Atlas – This will be used as a Database.

Express – This will be used as an interface for Node.js

REACT.JS - This will be used to make Client UI/UX

NODE.JS - This will be used as Server-side coding language

III. EXISTING SYSTEM

In the early days of the internet, email was the primary way that people communicated online. It was the mechanism by which friends, family, colleagues and acquaintances communicated with each other. It was also the primary way business was conducted online. Companies and organizations used email to communicate with each other.

There was a requirement to record these communications and store the data for further evaluation. The business case was that this would improve the usability of the system and enable analysts to better understand and address the problems that existed within the system.

In addition other, apps like WhatsApp, Facebook, Messenger, Skype, and Telegram have become popular ways to communicate. These apps require users to provide their contact information, such as their phone number or

email address, in order to use the service. They also often require users to agree to their privacy policies before allowing them to use service. These apps require users to provide certain information.

IV. METHODOLOGY

We have proposed a new mode of communication for patients and doctors. this single window provided little opportunity for a two-way conversation. We propose a new, more effective mode of communication.

Our proposed solution was to create a hybrid chatbot-based messaging platform that would allow for the same messaging functionality as traditional platforms, but with the added benefit of human-like conversation.

Patients no longer have to wait in line at clinics or hospitals. They can connect with their healthcare provider anytime, from anywhere, through our app. They can request appointments, receive medical advice, and be connected with the right specialist without ever having to leave the app. This means they can get the medical attention they need without the hassle of going to the clinic. This provides a much-needed convenience for patients and saves time for doctors.

To get started, all you need is a phone number. There's no need to provide any other identifying information or upload sensitive data. The app will not require users to provide any personally identifiable information or upload any sensitive data. Users can share images, videos, gifs and reactions in the app and their messages will be sent and received. Doctors can also respond to patient-generated content, which helps facilitate a two-way conversation and further establishes a relationship.

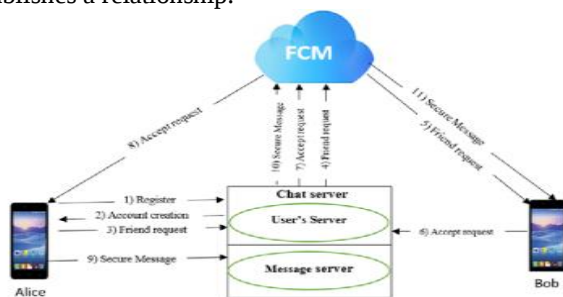


Fig 1: Proposed Architecture

V. RESULT AND DISCUSSION

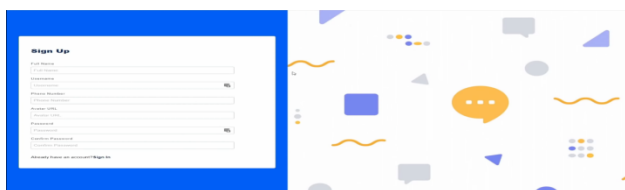


Fig 2: Sign Up Page.

The first step to getting started with the App is to sign up. It is used to register the user on the application. When clicked sign up, you'll be asked to provide only a contact number as the user information.

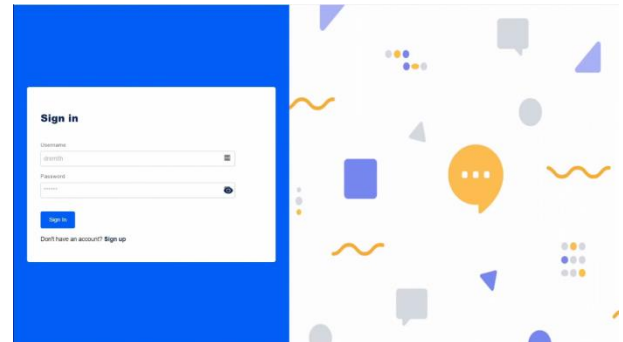


Fig 3: Sign In Page.

This is used to login into the application and start using the application. If you are new to the application, the first thing you will see is the sign in page after the sign up page. This page is used to sign in to the application and start using the application. It guides the user through the initial steps of the application and provides a place for the user to enter their username and password.

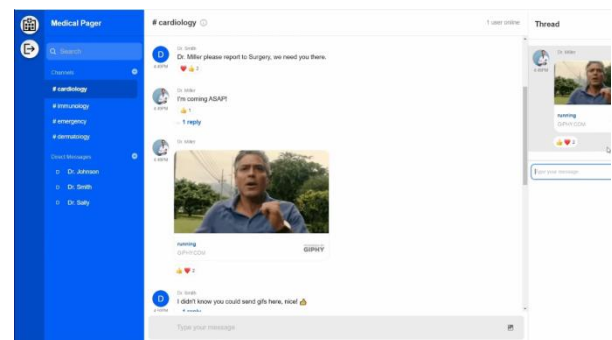


Fig 4: App interface

VI. CONCLUSION

We described a set of requirements for making secure chat and implement it by using modern methods and lightweight for providing speed and good protection to its clients. We are able to contact the doctors through the app. We save a lot of time by contacting the doctors online.

In this study the feature of sharing media resulted in a very helpful manner to the doctors to observe the wounds. This can be used at the time of emergencies as the doctors receive a text message with a notification message to the wound of the patient. From then on, they can easily refer to the wound and provide the most appropriate care.



VII. REFERENCES

- [1]. Anon., 2015. Development of a Health Care Assistant App for the Seniors. International Journal of Applied Science and Engineering, pp. 3-5.
- [2]. Jianye Liu; Jiankun Yu, Research on Development of AndroidApplications, 4th International Conference on Intelligent Networks and Intelligent Systems,15 December 2011
- [3]. AbhinavKathuria et al, Challenges in Android Application Development: A Case Study, Vol.4 Issue.5, May- 2015, pg. 294-299
- [4]. Li Ma et al, Research and Development of Mobile Application for Android Platform, International Journal of Multimedia and Ubiquitous Engineering 9(4):187-198 • April 2014
- [5]. Nikhil M. Dongre, Nikhil M. Dongre, Journal of Computer Engineering (IOSR-JCE), Volume 19, Issue 2, Ver. I (Mar.-Apr. 2017), PP 65- 77

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