"TRIBEOUT, SOCIAL MEDIA PLATFORM FOR COMMUNITY HEALTHCARE"

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Abstract - *Today we see that there is a craze for the "social media" platform, and that this platform has great access to the people of the universe, which is why we developed "Tribeout, social media platform". By networking people, health organizations, hospitals, health professionals, and medical students to learn, share, and contribute to the transformation of public health care, this platform aims to improve community health care. In this forum we will provide internet slot bookings / hospital appointments available schedules so that patients can easily book their appointment slot in just one click, saving both time and money on having to go to a hospital, book an appointment, and wait. Because there is no social isolation concern in this pandemic situation, it helps to lower the risk. Aside from that, our platform will supply a big number of integration information so that anyone can quickly improve or conquer their health concerns. Today's world is a disaster when it comes to unemployment problems, so we set up a job platform where job seekers may easily find wealthy employers by posting their problems in this forum, particularly in the medical industry. This platform will do it all over again, raising immediate awareness of new emerging diseases so that the rest of the world can better deal with them. Next time, we'll create a learning platform with imitation and animation for medical students so that they can quickly access material that they can apply to their future profession.*

Key Words: **Healthcare, Social Media, Community, Online slot booking, Health literacy, Job recruitment platform etc.**

1. INTRODUCTION

Patients who are unable to learn enough about health face many obstacles as they try to reach and use the life care system. Literacy problems may prevent patients from attending appointments because they may not be able to sign up for health insurance or follow instructions. When they arrive at the office, they may not be able to fill the forms neatly, they may be embarrassed to ask for help filling out the forms, they may go with unanswered questions, or they may sign a letter that they do not understand.

Most patients complain that their doctor did not thoroughly describe their condition to them. Once the appointment period expires, patients who cannot properly study health may not know when to return or follow up on a visit. Healthcare has been associated with in-person consultations for decades. This has been a problem that forces patients to run to the nearest healthcare facility for treatment. There is a need to build a platform that can connect healthcare professionals, workers, and students on a single page, where they can discuss their learning, share knowledge, and take notes, with the increase of e-commerce across the web, people want anything and everything available online. However, the lack of medicinal stores online makes the industry lag behind other sectors.

1.1 Objectives of the work

Healthcare mobile and web application-Mobile app developers continue to grow the flexibility and performance abilities of these remote-oriented platforms. This creates a reliable experience for medical experts to provide quality care and advice to patients from miles away. With mobile healthcare solutions, telemedicine aims to raise the level of healthcare with wearables and smartphones to track health. The use of latest technology in healthcare has accelerated the development of products that experiment with technology such as holography, artificial intelligence, and machine learning, virtual reality, and augmented reality. Building a social networking app exclusively for healthcare professions can solve the problem at hand. Something like what Net Solutions did by creating "The OCR" (The on Call Room) the mobile social platform for healthcare professionals.

The application covers:

1. Recent developments in the healthcare industry

2. Ability to share Images, PDFs, PPTs, videos.

3. Ability to post new status and ability to like and comment and ask questions

4. Ability to share patient data between health professionals.

Different parties involved in healthcare doctors, healthcare plan providers, insurance providers, doctors, and patients able to securely share information in order to create a holistic and acceptable patient experience. Using cloud-based data management tools to solve the inefficiencies produced by the old pen-and-paper method of data administration can be a reliable option. The usage of a block

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chain-based database to store and share patient records is the most cutting-edge answer to this healthcare management dilemma. This healthcare technology development has ability to not only allow for speedy and full data transfers, but also to reduce insecurity, ensuring the privacy and integrity of patient data.

1.2 Project Scope

The emerging technology in the healthcare sector is adding convenience at the patient's end and making the provider's life easier. This is the reason behind increased new product development initiatives and refinements to the existing products. There are many problems that the healthcare sector faces every day. However, technology can help you stay ahead of the curve and lend a hand at placing you among the top technological healthcare providers. Issues with Medicare and Medicaid Reimbursement Medicare and Medicaid are two government-run health-insurance programmers that provide healthcare coverages to patients.

Their payment arrangements are extremely diverse, necessitating a well-organized management mechanism. The methods for completing and accepting Medicare and Medicaid are considerably different, and they are another item on a health professional's to-do list. They must also preserve and record patient records in specific order for the services they provide, according to regulations. Whenever therapy is available under Medicare, physicians are required to fill out a mandated electronic form as proof that the patient has received health care services. The situation is exacerbated by the fact that health care practitioners are obligated by law and regulation to use a specific payment method. Health care practitioners are required by law and regulation to follow a payment method, which exacerbates the problem. Invest in the EHR System for 'Medicare' and 'Medicaid'. One of the most serious political topics at the moment is healthcare reform. "Electronic Health Record" (EHR) programmers are one of the health care technology industries that the industry is ready to adopt to help with health record maintenance and Medicare and Medicaid inclusion.

2. REQUIREMENTS

2.1 Functional Requirements

1. Database Connection.
2. Hosting Database on Cloud.
3. Sending http requests.
4. Responding http requests.
5. User Interface.

2.2 Safety Requirements

1. Higher Level Authentication.
2. All Information Shared with Encryption.
3. Encryption with Hash-Salt Modern Encryption.
4. Keeping all confidential data secret.

2.3 Database Requirements

1. System-Level Data Recovery.
2. Application-Level Data Recovery.
3. Application Data Availability.
4. Multi-Level Data Security.
5. Application Performance.

2.2 Software Requirements

1. Visual Studio Code
2. Node.js
3. Express.js
4. Mongo dB
5. React.js

3. SYSTEM DESIGN

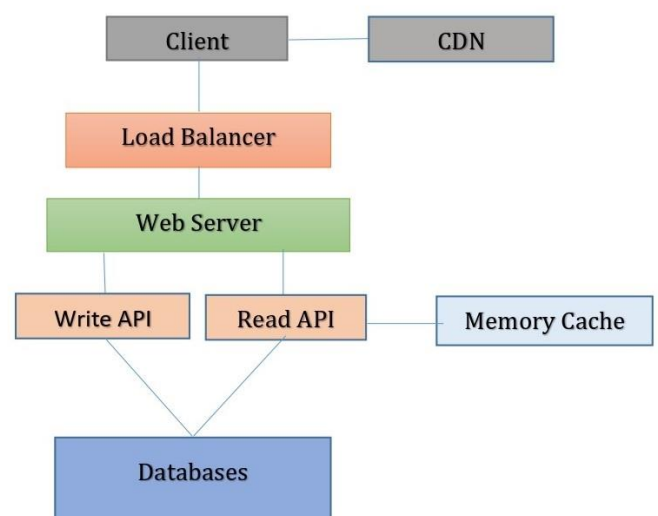### 3.1 System Architecture

Fig-1: System Architecture

Client, server, and database are the three fundamental components of system architecture. The system functions as a connection between these two by allowing people to communicate with one another. The rest API is primarily used by the web server to send data from databases to the client side, whereas the read API makes use of cache memory for quick access. The load balancer operates between the server and client to prevent the 'server' from becoming overloaded and collapsing. Finally, the "content delivery network" (CDN) allows for quick access to the next datacenter; if one data center has an outage, the connection will be switched to another datacenter.
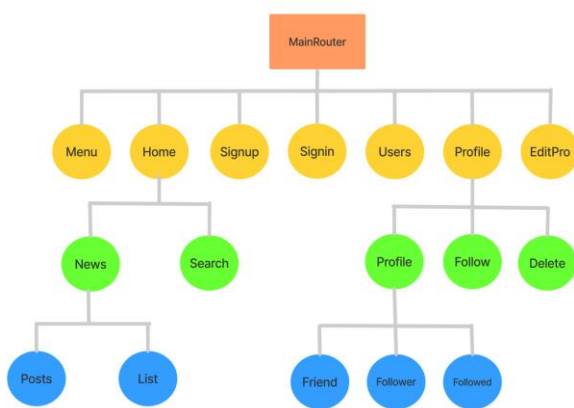
3.2 Tree diagram

Fig-2: Tree diagram

In above (figure-2) from main router where we have stored our whole data is going to distribute in several types i.e. menu, home, sign in, signup, User's and profile so that each one of these individuals can access the data from their perspective level along with their protocols. Furthermore the home contains newsfeed, timeline and find people so it has major access to some other factors data which is going to help in rendering post data, comments and likes. Another one is profile under which there are several another tabs that are followings, followers, post list history**.**

4. SPECIFICATIONS

4.1 Advantages

1. **Slot Booking-:** In Current Situation the slot booking System is available in the vaccination but by using this platform we enable slot booking in whole sector by that we reduce the money as well as time.

2. **Zero Paper Work-:** In this platform we store patients as well as organizations data digitally so no paper work is boycott and make system environment friendly.

3. **Lower Administration Burden-:** Doctors have less paper work and can share information securely and easily with colleagues.

4. **Effective Demo Videos-:** We have seen that in critical emergency time we have No proper guidance to defense the health problem for that purpose we have added the Videos which can help in these situations.

4.2 Applications

1. Health Organizations.

2. Hospitals

3. Medical Student.

4. Medical Stores.

5. Pharmaceutical Companies.

5. CONCLUSION

In this paper we have presented the resources available today to transform the healthcare sector and how to use the digital platform effectively to overcome various health problems. We are focused on developing a communication platform where we can save time and money compared to today's health care solutions.

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