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Health Ease

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Abstract: Hospital Management Systems (HMS) are vital tools for healthcare institutions, optimizing patient care, administrative efficiency, and financial management. This abstract briefly outlines the core functions of HMS, including Electronic Health Records (EHR), appointment scheduling, billing, and clinical decision support. HMS ensures data security, fosters interoperability, and contributes to improved healthcare delivery. This comprehensive system tackles the intricacies and challenges encountered in the healthcare sector by offering an integrated platform that optimizes patient care, administrative processes, and resource allocation.

KEYWORDS

Electronic Health Records (EHR), Data security, Medication, User authentication.

I. INTRODUCTION

Health Ease is a health records management system, exclusively available for use by the hospitals, doctors and the customers as well. The system provides a user-friendly interface for administrators to create and manage staff records, as well as to make available the doctors' information and photos. A detailed view of the various medicines and their prices are presented to the customers and patients so that it is convenient for them to get all the required information.

The user and the customer credentials are kept safe and confidential adhering to high security protocols. No personal information is shared outside the premises without the consent of the individual.

II. LITERATURE SURVEY

From our reviews, it is very much clear that the use of heath record management systems increases the overall efficiency of healthcare systems in several references.

For instance, in a study by Almalki, M.etal. (2023). stating "Health information systems (HIS) issues and challenges" presented to us the difficulties faced by the hospitals in the paperwork by a case study.

So it has been made very evident that the web-based technology offers many online services in almost every field.

Every major industry is converting and establishing a digital front for all their major operations to get closer to the booming digital market. . E-Medical Management will increase the efficiency of patient management, schedule management.

III. PROPOSED WORK

In this research paper, we propose the development of a Health record management system that will incorporate three unique features: the admin section, the doctors' portal and the medication briefing. These sections can be described as follows:

The admin section: Our proposed system will store the credentials of hospital staff in a secure cloud-based system, which will allow the admin to access it from anywhere, anytime. This will eliminate the need for large amount of tedious paperwork.

The doctors' portal: Our proposed system will incorporate the crucial information of the top doctors of India. This will make it convenient for the users to gather all information and make a wise choice for the appointment or the treatment.

Medication briefing: Our proposed system will allow the users to have a look on the estimate cost of the most frequently used medicines in different regions in India. This will enable users to choose the best medicine possible.

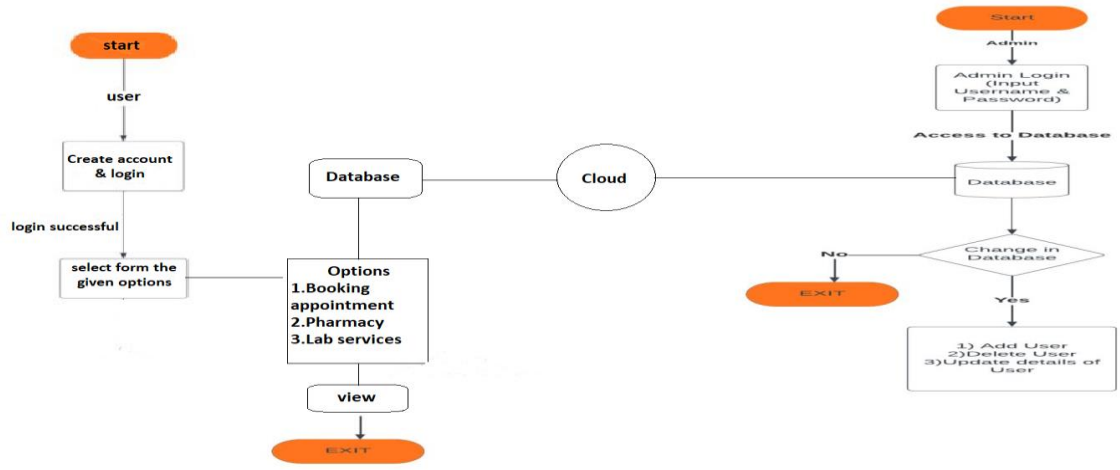

Fig.1. Proposed system design to cater different types of user

We plan to develop a web-based application that will be user-friendly, efficient, and reliable. The proposed system will be designed to cater to different types of users, including hospitals, private clinics, and chemists among others. The system will incorporate the latest technologies, including cloud-based storage and enhanced data security.

In summary, the proposed system will provide an innovative and efficient solution for maintaining the records of the staff and the customers, and providing the necessary details on the doctors and the applicable medicines.

IV. CONCLUSION

In this research paper, we proposed the development of an innovative health records management system, that incorporates the admin section, doctors' portal and medication briefing.. Our proposed system provides a solution that is secure, reliable, and accessible from anywhere, anytime. By eliminating the need for extensive paperwork, our system reduces the time taken for the procedures to be taken place. A comprehensive overview of the medicines and the relevant, top doctors of the country will be made available to the users.

It represents a significant step towards improving healthcare management. It has the potential to revolutionize the way healthcare organizations operate, resulting in better patient care, streamlined processes, and improved data security.

Overall, Health Ease is a crucial tool for ensuring efficient and effective healthcare delivery. In this mini-project, we have designed and developed a system that has the potential to significantly improve the management of health-related information and services.

Challenges of implementing an integrated hospital information system: A case study of an Iranian hospital.

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