

STAGES OF CREATING THE “MED CARD SYSTEM” SOFTWARE PRODUCT FOR USE IN THE MEDICAL FIELD

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Abstract:

The field of medicine and information technology is one of the fastest growing areas. The use of information technology in medicine and other fields is also developing rapidly. Much bureaucracy and red tape can be avoided by using IT in the medical field. Waiting in line for hours, a lot of paperwork took up a lot of people's time. Citizens will find it very convenient to use the Medical Card System program that we offer.

Keywords: IT, medical, card, System, queue, mobile, program, creat

Introduction

In today's world, where medical science and technology continue to advance at an astonishing rate, tracking patient records plays a key role in providing quality and effective medical care. Medical records are an integral part of health, providing a valuable source of information about the health of each patient. In society, the relevance of studying patient medical records is especially acute, given not only the rapid pace of development of medical science and technology, but also a number of challenges facing the healthcare system. This instrument ne tolko obespechivaet nepreryvnost zaboty o zdorove, no i povyshaet bezopasnost pasentiov, sposobstvuet effektivnomu lecheniyu, snijaet izderjki na zdrooochranenie i obespechivaet ossov dlya nauchnyx issledovaniy i statisticheskogo analiza. In this chapter, we examine the important role of pasitis medical record tracking in the modern world, identify the key benefits of this practice, and discuss its role in improving the quality and accessibility of health care.



Research methodology

This field when I was studying in itself exactly that's all similar projects that no we saw And exactly that's all on we worked Chet People in programs that's all similar programs created And their studying We went out alone How many programs we learned they are the following :

Cerner Millennium is a comprehensive health information management system developed by Cerner. Corporation . It provides electronic records and processing of medical data in various medical institutions, such as hospitals, clinics and laboratories. Key features include electronic medical records (EMR) management, patient scheduling, visit scheduling, medical order and prescription management, and data analysis and reporting. The system can also be integrated with other medical systems and devices, such as telemedicine platforms and mobile applications. Despite its many advantages, implementation and support of Cerner Millennials can be challenging and resource-intensive. High data security standards and compliance with privacy regulations are also required.

ONDOC is a patient health monitoring service with an electronic medical record, recommendations and reminders, telemedicine functionality, as well as a clinic and doctor management system with useful functions and work with clients.

MEDITECH EHR electronic Health Record is an electronic medical records management platform developed by MEDITECH.

Main Part

The main goal of the project is to create a unified platform for storing and managing patient medical information, which allows you to combine records and diseases from various medical institutions into one centralized database. This makes access to health information more convenient and efficient for patients and medical staff, reducing the risk of relapse and follow-up.

In addition, the system will provide the opportunity to obtain additional information about diseases, including recommendations for treatment and prevention, which will help patients be more informed about their health and make informed decisions about their treatment.



The system also allows you to track pain, identify the dynamics and effectiveness of treatment, which is necessary to improve the work of paramedics and optimize the processes of providing medical care.

An important aspect of the project is also the fight against corruption in the healthcare sector. Since certificates and documents will be issued by the system based on the patient's actual visit to the doctor, this will reduce the opportunities for fraud and illegal obtaining of medical documents, ensuring transparency and reliability of information.

The system is designed taking into account the needs of patients and medical personnel and provides convenient and intuitive access to medical information. For maximum accessibility and convenience, we offer a mobile application for patients, available on iOS and Android , as well as a desktop application for medical staff, supported by various operating systems, including Windows , MacOS and Linux . This approach provides broad user coverage and allows each category of users to effectively manage their medical data and processes.

At the same time, our healthcare application provides powerful tools for managing medical data and processes in healthcare organizations. The doctor can provide the patient with the most complete information, make a diagnosis, write prescriptions and create electronic documentation - all in one comfortable and safe environment. One of the main distinguishing features of our system is an innovative approach to managing medical information. My use of advanced technologies and techniques, such as artificial intelligence and data analytics, to ensure the accuracy, efficiency and security of medical data processing. Thus, the system does not just provide storage and access to medical information, it is a full-fledged tool for improving the processes and mode of medical care, as well as ensuring quality patient care. This significantly simplifies and speeds up the process of providing necessary documents to patients, freeing them from the need to personally visit medical institutions and stand in queues. Patients can easily request and receive various forms of information through mobile or desktop applications, including health information, monitoring results, medical record printouts and other documents needed for work, school or other purposes. This is especially useful in situations where you need quick access to medical information, such as when visiting another doctor, applying for a job, or signing up for insurance.

Additionally, our app provides user-friendly tools for healthcare professionals. The doctor can easily generate and export the necessary documents directly through the system, which is very economical and improves the process of working with medical documentation.

Thus, the function of online issuance of medical reference books is one of the main differences between our system and other analogue projects, providing convenience, accessibility and efficiency in obtaining and processing medical information.

Conclusion

Based on our research and development, it can be concluded that this desktop application has enormous potential for use in healthcare settings to help improve healthcare delivery processes. Further development and improvement of the application will contribute to further progress in the field of digitalization of healthcare and improve the quality of life of Pasitins.

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