

Take Care (An Online doctor appointment system)

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Abstract: Health is very busy finding appointments in person and keeping proper health care. The main idea of this work is to provide ease and comfort to patients while taking medical appointments and also solves the problems that patients have to face while making appointments. The web app Take care works as a client and a database containing doctor details, patient details and appointment details is maintained by the website acting as a server.

KEYWORDS: Appointment, online application, web, hospital, planning, track, health care



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INTRODUCTION

If anyone is sick and wants to visit a doctor for a check-up, they should visit the hospital and wait until they find a doctor. The patient also waits for the queue while receiving the appointment. If the doctor cancels the appointment for some emergency reason the patient will not be able to know about the cancellation of the appointment without or visiting the hospital. As mobile communication technology grows faster, therefore, one can use mobile systems to overcome such problems and patient disorders. There is a lot of work in the literature on this. A well-thought-out appointment plan has been proposed in which a patient planning program is offered. The junior medical staff is arranging for senior appointments. we have developed an Android app that is used to remind patients of their dose periods with the Alarm Ringing system so that they stay healthy and healthy. Doctors and hospital searches and tracking information are available in the app to find the right treatment on time. has developed an Android-based selection management system that uses app-specific connectors (APIs) from Google Maps and Calendar. This nomination-based app can be used with other programs designed for nomination. The mobile application accepts appointments by keeping a record of phone appointments that are synced with Google Calendar. The user receives an alert according to a pre-determined timeframe and date of appointment. we have developed a Health Track system that communicates with the sensors via a smart phone to collect data, and store data simultaneously on a central server for online analysis. Some online programs that are already running have some drawbacks. To overcome these challenges the online patient selection system is proposed using the Near Field Communication (NFC) process and the Android-enabled mobile app. The system works by registering and arranging NFC-based appointments that access patient health records and nurse and physician information reports. There is another exciting activity which is Self-Testing and Hospital RegistrationDisease (DSRRS). Uses the Represented State State Transfer (REST) style for the interface between the consultation service and the program

BENEFITS OF Online Appointment SYSTEM

1. Online editing services attract many patients
- 2 Doctors will see you at your convenient time! No more waiting !!
3. You will ensure that no more calls are made
4. It will make reminders / cancellations / schedules easier
5. Can he reduce absenteeism?
6. It can improve patient satisfaction
7. Delivers premium experience
8. The appointment of a Will letter by tap
9. Can search doctors by location, insurance, reviews
10. Can increase the use of health benefits
11. Apart from all this, we would like to highlight a few of the most notable features of Sambav's Doctor Appointment editing services. With Sambav, it is possible to save time.

Savings: The savings period acquired by the property may translate into financial savings, as the time and services of employees translate costs and revenue, respectively.

24-hour usability: Scheduling appointments over the phone usually requires a call during office hours, as few facilities offer 24/7 phone bookings. The Doctor's online scheduling program allows for 24-hour schedules, not just regular hours or office hours.

A. 24 * 7 bookings: anytime

hands-on management plan requires the availability of a reception area or office staff. The doctor's booking system, available online, allows patients to book limited time at home, using a computer, laptop or mobile phone, and at any time. No matter where they are, they can contact their favorite doctors anywhere. Even if they are not there they can contact their doctor. Doctors can also use telecommunications technology to reach patients in remote areas. Real access.

B. Plan your plan better

Consider a situation in which many people have lined up because of a hand-made error. As a doctor, you control the number of people who will be at your clinic at any one time. This is especially important as the community level has become more common. With the appointment of online booking, the doctor is completely in control and can plan his day without fear.

C. *Reduce patient displays*

One of the biggest challenges of the booking manual or telephone booking program is not showing it to patients. Patients can simply forget their appointment given that there are no automatic reminders. The doctor's appointment booking system can be adjusted to send reminders to patients before their appointment.

D. *Making staff and employees more productive*

The doctor's booking system is a self-help tool for patients to book appointments. Your staff has their free time to handle calls from patients who want to be appointed. Instead they can focus on other activities and improve their product.

E. *.S easily integrates with your EHR*

The appointment booking system must be properly integrated with your EHR. Physicians should be able to see a list of appointments at any time in addition to knowing the type of appointment depending on whether the patient has arrived, or whether his or her health has been measured.

F. *Access appointments on your computer, laptop and cell phone*

As a physician, you can access patient appointment information on any device. You should be able to reschedule or cancel appointments in the event of an emergency. An online appointment system hosted by the cloud can give you all the details of the appointment any day in the past, today or in the future.

G. *Improves patient satisfaction*

Patience is very important. No patient would want a smoother experience. The online doctor's appointment program improves patient satisfaction. Patients no longer have to worry about waiting times at your clinic. They can better plan their daily routine. They spend little time waiting to see the doctor. All of this goes a long way in improving patient satisfaction.

H. *Integration with payment gateway*

Digital installation is the way it should be done. The online doctor's appointment booking system can be integrated with the payment gate of your choice. This means less work for your employees in terms of

collecting payments. Instead, all funds can be collected prior to appointment.

I. *More places and more doctors*

A good online doctor's appointment booking system can handle many places with many doctors. Your clinic can work in many places and each clinic can have many doctors each of whom is available at a specific time. Does your system have the capacity to handle these complexities? And there should be no need for more staff to handle all of this. Instead the system should cover multiple areas with a physician.

REQUIREMENT

A. *Requirements Specifications :-*

After analyzing the data collected, we created a number of requirements namely user requirement, system attribute of the system. These are classified as user requirements, active, non-functional and programs.

B. *User Requirement*

During the data collection, we investigated and found out how the current system works, not only that but also tried to figure out what the problems were and how they could be better addressed. Users have described some of the basic requirements of the program which include Patient Search, Patient Registration, Update record, Physician details record, view physician access record and view all types of reports.

Functional and non-functional requirements

The following is the required performance of the new system.

Accept referrals in the form of green patients; perform financial analysis to verify system users.

And the ineffective requirement includes the following

The system should ensure that every eligible ant user should be notified if any errors are found in the database, the system should allow the extension area.

ANALYSIS

1. *System Study*

The study was conducted at Patient, Doctors and Hospital the main purpose of this study is to find out how the process of recording patient data is performed. The program currently in Patient, Doctor and Hospital

is a complete handbook. When a patient requests all information to be recorded manually from the appointment the system is very lazy and more hesitant about the actual information, the availability of the doctor and the timely maintenance of the doctor's appointment system.

2. System Analysis

During the system study phase, requirements of Online Doctor Appointment System (ODAS) were categorized into user requirements, system and hardware requirements.

a. System

The following software tools were used during the development process.

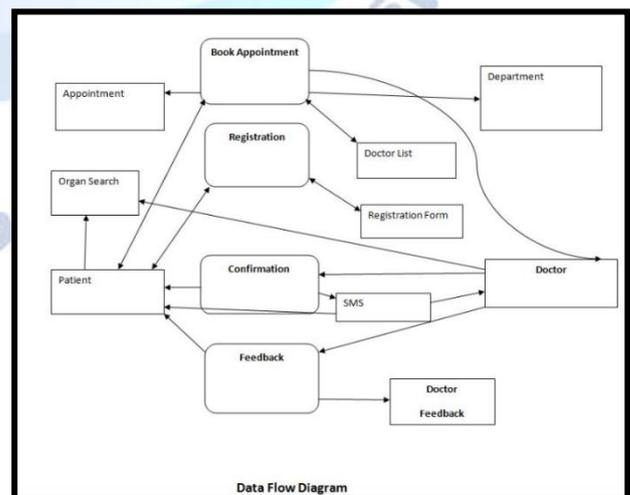
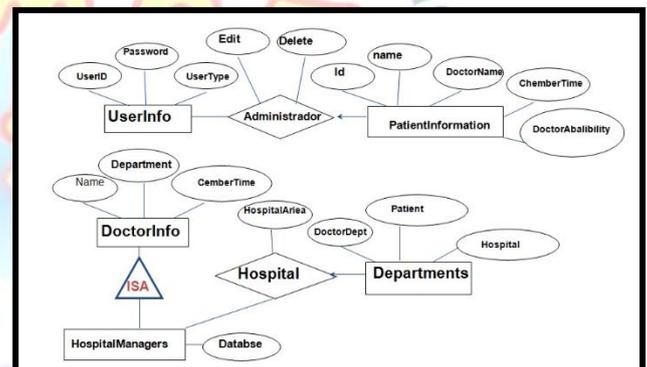
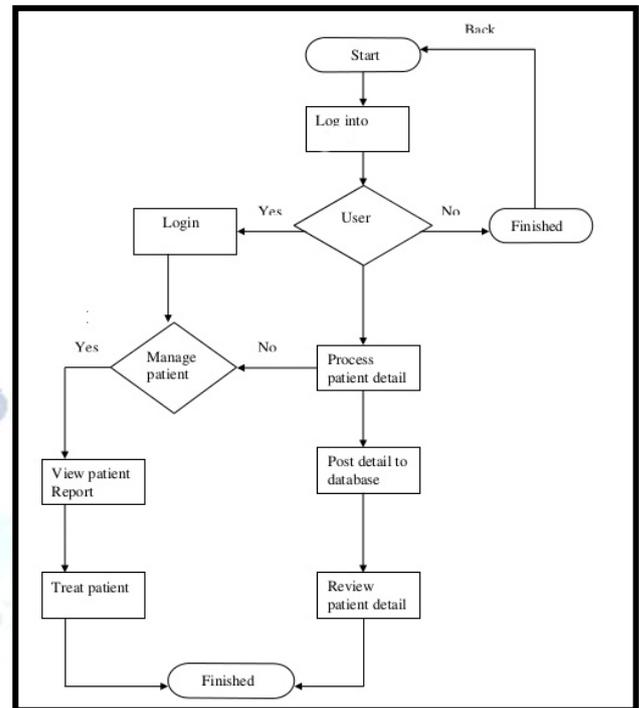
- Eclipse 2019-2020
- JDK 8
- MySQL
- SQL Connection driver
- Apache Tomcat 7.0
- HTML
- CSS
- JSP

3. Existing Online Doctor Appointment Systems

The current system was a book where information was written on various papers and passed on to different departments, human errors were at risk because they were deleted from paper and retrieval of files was time consuming as they had to find the patient by hand some of them were lost and thus obtaining such information was difficult. According to statistics, 90% of users were dissatisfied with the reason for the unsafe system in terms of security and maintenance as they were prone to injuries such as loss of important information, old paperwork, lire leaks, speed of recording and retrieval of patients. .

Users have recommended that the proposed system be user-friendly, multi-tasking to manage the number of users at any time, providing a response when a request is sent and the use of passwords that may prevent unauthorized access to secure system users. Content diagrams, data flow diagrams and enterprise

relationships (ERD) diagrams where used in system analysis and design.



Problem Statement

The System will basically consists of three different users that would be interacting with the aim of providing better healthcare service through mutual utilization of self-monitoring and the consultation from

a specialist. The mutual interaction exists because user will have the option of sending the data for analysis to the doctor, getting the feedback and then acting on his advice. The three users are:-

1. Patient
2. Doctor
3. Administrator

The patient will initially register the program by providing various details of the person including their name, age, gender, etc., as well as the name of the doctor they want to consult, if applicable. The registration part is mandatory before the user can use the program to complete his task. After that the user continues to login using his or her unique id and password. When you sign in to the app the user will have a window screen with a few options. One of the options a user will have is to upload a file that the program will use to display data on the user interface. This data file is based on data collected by a health monitor device that a user wears on his or her arm belt for a period of time. This file can be downloaded to the user's desktop by connecting the device via Bluetooth or a USB cable. It is assumed that the data will be found in an Excel file. The information in this file is not user-friendly and therefore less user-friendly. The application in question will make this data suitable for display and analysis by the user and make provision to send data to a physician. Once this file has been uploaded to the system, it will give the user the opportunity to continue performing. This will result in the user getting a clear picture of all the parameters recorded by the device at that particular time interval.

Literature Review

1. Patient Selection Program

The process of selecting a patient or the process of choosing a health care system began long ago (Harper, 2003). Patient selection management has past functions and improved simplified line models and systematic planning conditions. Another attempt has been made to calculate the waiting period between patient and physician using statistical line models to reduce the waiting time (Gamlin, 2003). However; traditionally the appointment process considers the physician's time to be more important than the patient's time (Wijewickrama, 2005). The appointment process is

therefore designed to reduce the duration of physician intervention but the current structure of the appointment process is based on determining the patient and physician status (Takakuwa, 2005). The patient selection process has complex structures because it represents the patient's appointment time at the health care facility and regulates the patient's waiting period depending on the type and time of patient placement (Gamlin, 2003). In addition, the patient selection program by the International Journal of Computer Science & Information Technology (IJCSIT) Vol. , and to improve the quality of health care services (Harper, 2003).

2. Delay of appointment

Previous studies have shown that the delay in appointment is defined as the time between the patient requesting the appointment period and his or her appointment date, which increases the chances of them canceling or not appearing (Gallucci et al. 2005). This suggests a clear way to reduce exhibitions and cancellations: this is done by asking patients to arrive early or to apply for appointments on the day they want to be seen (Murray, 2000). This is called open access (OA) or advanced access policy (Tantau, 2000), and over time it has become a popular approach and a matter of practical research. Several authors report on their experiences in using OA, good and bad (Dixon et al. 2006). Some doctors strongly support OA (Murray and Tantau 2000), and there are others who strongly oppose it (Lamb, 2002).

3. Manage the Patient Selection Program

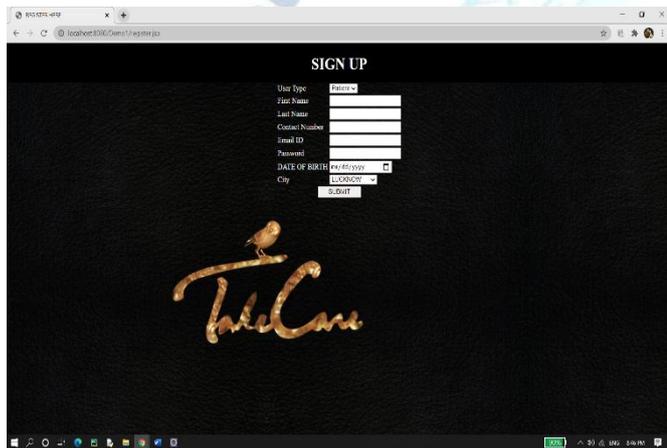
According to Dexter (1999), the appointment of patient managers is a computer program used to manage and reduce patient waiting time at a health care facility. Some health care facilities do not use any appointment system. It therefore has a longer waiting period for a patient than a health care facility that uses a patient appointment system. While patients can wait more than an hour for a doctor to visit them at a health care facility, they may also feel neglected and mistreated. Therefore when patients are given time to see each other at a health care facility, they can assess the quality of service at the facility (Dexter, 1999). Therefore, improving the selection process for patients in health care facilities requires the use of a complex line that takes into account many aspects of the actual system (saving time,

reducing idle time, etc.). The appointment process therefore represents the real situation in the health care facility responsible for the appointment of patients (Rohleder, 2002). On the other hand, the general practice of planning and evaluating patient appointments depends on the type of patient treatment and whether best practices that are more sensitive to the needs of the patient are needed (Klassen, 2002).

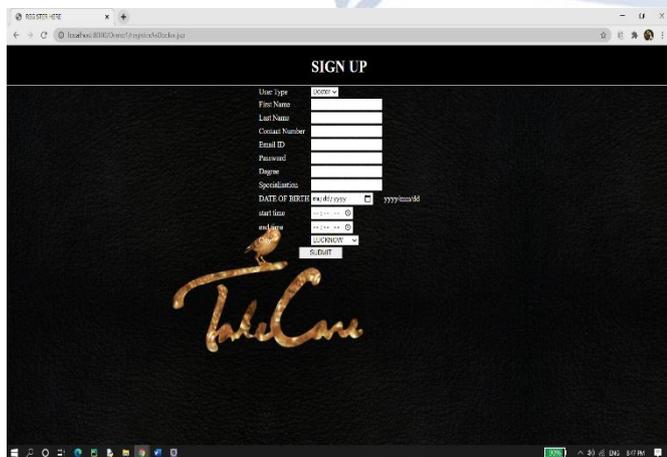
OUTCOMES



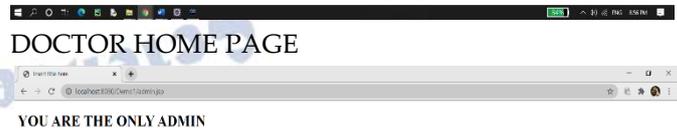
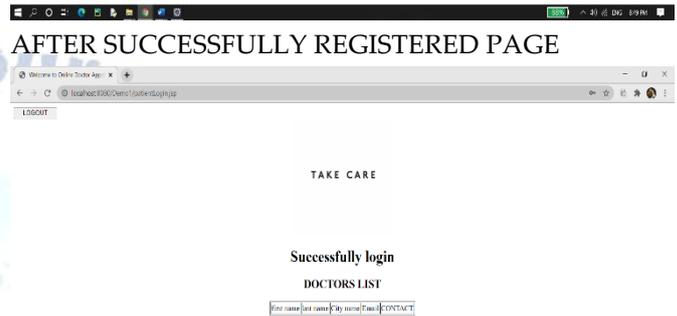
WELCOME PAGE



PATIENT SIGN UP PAGE



DOSTOR SIGNUP PAGE





hi, user name or password is not correct



INVALID CREDENTIALS LOGIN PAGE

Limitations and Conclusion

1. Limitations:

This section describes those services that can be provided by the system and those that include the following. It always connects to the internet. It Support to Microsoft Windows Platform and not support to others platform like MAC or Linux.

CONCLUSIONS

The main reason for the establishment of the Internet Technology Selection Program is to enable hospital management in a simple, efficient and timely manner. The IT used therefore must support the main purpose of the program if it is to continue operating in the hospital. Much remains to be done in the IT department to make existing technologies work. This could include training of hospital staff on how to enter data that is relevant and relevant to the system and for managers to become aware of hardware and software requirements. IT and computer systems need to be kept up to date with the introduction of other IT software in the IT market these days. The researcher acknowledges the fact that the program does not cover all doctors and patients' hospitals. The researcher therefore suggests that further research may be done. The most effective way to handle the entire hospital management process.

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