

GLA University



SYNOPSIS ON Health Care Appointment

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INTRODUCTION

The aim of the project is to create a Doctor-Patient handling website that will help doctors in their work and will always help patients to book doctor appointments and view medical progress.

This website allows doctor to manage their booking-slot online. Patients are allowed to book empty slots online, and those slots are reserved in their name. This website manages the appointment data for multiple doctors of various date and times. Each time a user visit a doctor his/her medical entry stored in the database by doctors. Next time a user logs in he may view his/her entire medical history as and when needed. At the same time a doctor may view patients previews medical history, while the patient visits him.

This is a web-based application that overcomes the issue of managing and booking appointments according to user's choice and demands. The task sometimes become very tedious for the compounder or doctor himself in manually allotting appointments for the users as per their availability.

Hence , this project offers an effective solution where users can view various booking-slots available and select the preferred date and time. This website helps to reduce the waiting time of patient and user can select the appointment time according to his preference.

EXISTING SYSTEM

Under manual online Doctor System, you have to first wait in line to take appointment for the doctors and wait for your time to have meet with them and discuss on your health problems. As you have to provide your information and other reports many times at different places such as the medicine, medicine store which is again a burden of carrying documents.

You have to be present physically at the doctor's cabin. Patient have to visit on another day or after some hours to take their health reports which involves extra care person with patient's any time. Under manual system, the only accepted payment method is by cash and if patients, due to some reasons are not having cash on time may face difficulties and not able to get treatment.

To make a truly online doctor system to have meet with online doctors, all manual process has been automated through this system. This website attract more patients as online doctor scheduling services are available. Doctor's will see you at your convenience! No more waiting!.

Through this website you can search doctor's by location.
This website serves 24/7 phone booking.

USE OF THE PROJECT

The Time-Saving Factor For Patients and Doctors

It leads us to the time-saving factor, another consideration with the doctor appointment . Website to handle the logistics saves time for the patients because they can quickly and easily schedule medical appointments online. The doctor doesn't have to be involved with the online appointment scheduling process. The website automatically sends reminders on upcoming visits and even can send a notification if some time slot was canceled so that other patients can book it instantly.

Patients are informed about upcoming consultations in advance and save doctors' time. The feature of recently canceled visits' notification again decreases unused doctor working time while the patients who need urgent consultation can get it faster.

The Ease of Finding a Specialist Within The Website

A doctor appointment booking system is usually combined with the platform with doctors' profiles listing specific clinics or locations. It means that patients can easily find a specialist if they need a particular kind of expertise if they have a problem. The website doctor profile listings can put patients in touch with the right doctor without time-consuming, just with easy filters and search functionality.

Improved Patient Care and Satisfaction with Services

As we said before, patients feel more confident about their care when the most modern med-tech solutions are available on their website. Using a doctor booking system, healthcare providers can decrease the cost of medical services and make them better and more convenient for patients. Patients will have more options in choosing the best time for a consultation that is highly important for satisfaction with services, especially for the younger generation.

Feasibility of Project

After doing the project, study and analysing all the existing or required functionalities of the system. This project is Feasible as this substitutes in man-kind. And promotes the health awareness. This project should satisfy all the users requirement and this project is flexible enough that future changes can be easily done based on future upcoming requirements.

Economic Feasibility:

This is a very important factor, we have considered while developing the project as we have decided, the technology we are using is free of cost, all hardware and software is free.

Technical Feasibility:

As we have studied all the functions, performance that may effect the ability to achieve an acceptable system. For this we study complete functionality to be provided in the system as described in Software specification and checked if everything was possible using different type of front end and back end platforms.

FUNCTIONAL SPECIFICATION

Online Doctor Appointment Booking

A doctor appointment management website should feature as its bedrock online booking capabilities that are intuitive and always work at right time. You should have appointment status features.

Doctor Listing with Search and Filters

It's also vital for your website to have detailed doctor listing, search and filter features. You can customize your search and narrow down the possibilities within seconds if you need to find a specialist doctors.

Patient Profiles

As for the patient profiles, they should include personal information so that doctors can familiarize themselves with a case history if they are about to see the patient for the first time. Document uploading and scanning capabilities would undoubtedly come in handy.

Map Integration for locate near hospitals route and locations

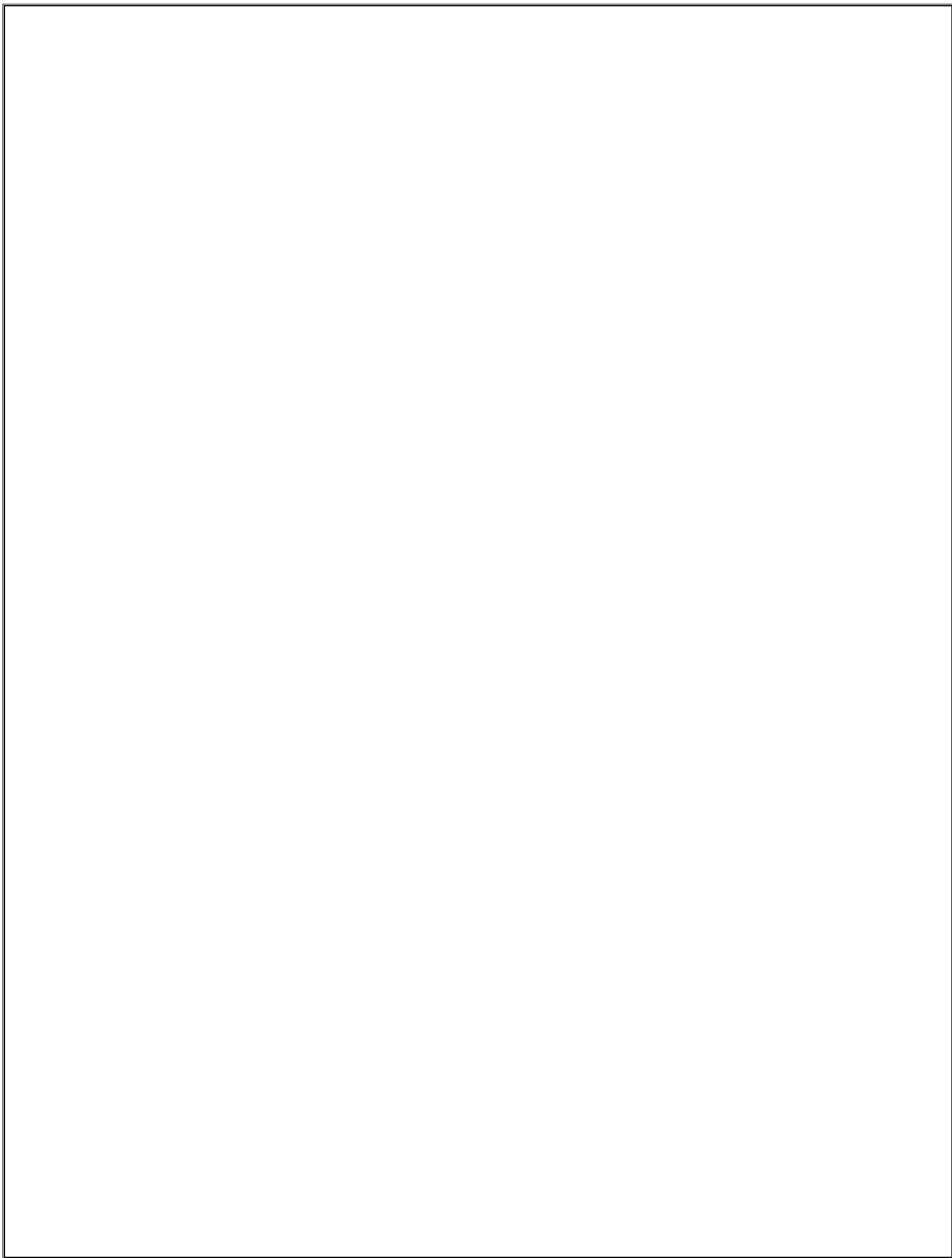
Map can be easily integrated into the Website to allow patients to get to the hospital for doctor visits without any trouble. Moreover, our team has worked on this feature for the made real website and implemented such a map integration right in the doctor profile. Users can see it when choosing the doctor as location often matters for patients.

Reminders & Notifications

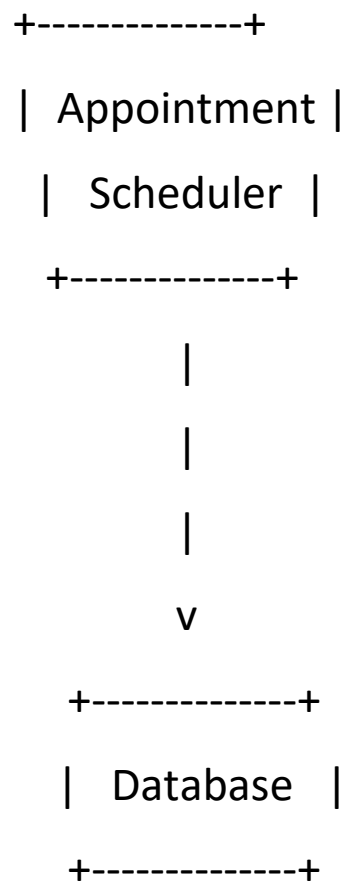
Your physician scheduling should also have fully functioning appointment email, phone, or app reminders and push notifications so that no appointment will ever be missed.

ePrescriptions Feature

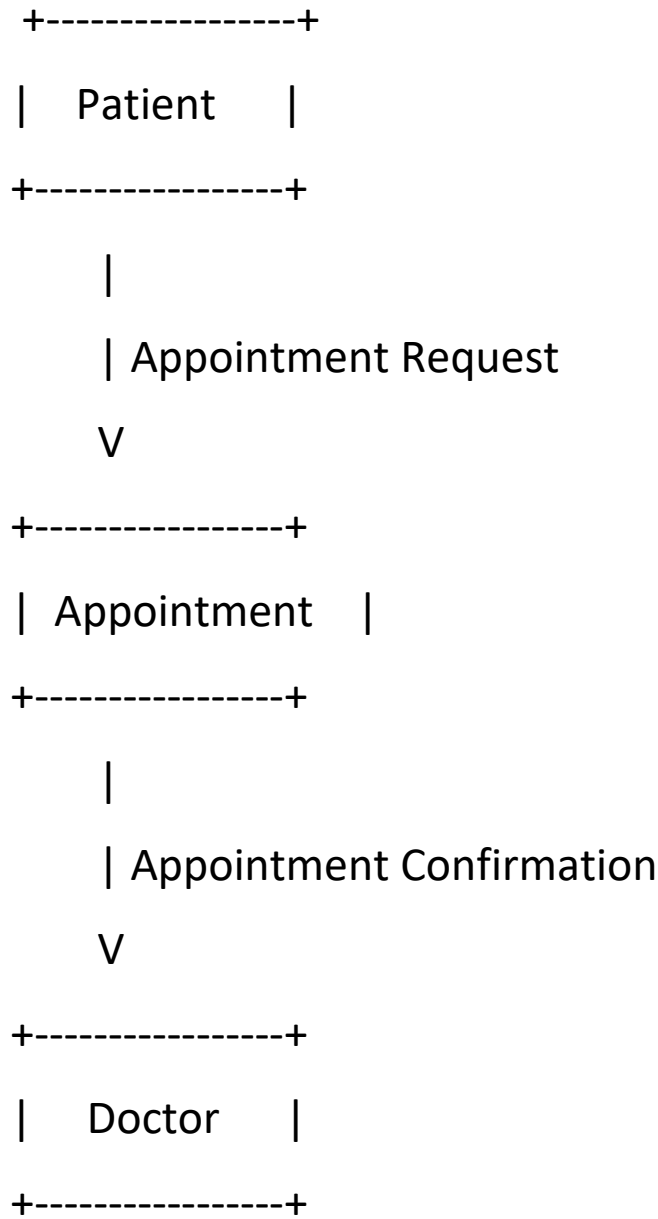
Doctor appointment scheduler should have a way for a doctor to prescribe a needed medicine along with receipts directly. Then the patient will be able to order the prescriptions from local pharmacy or whatever they



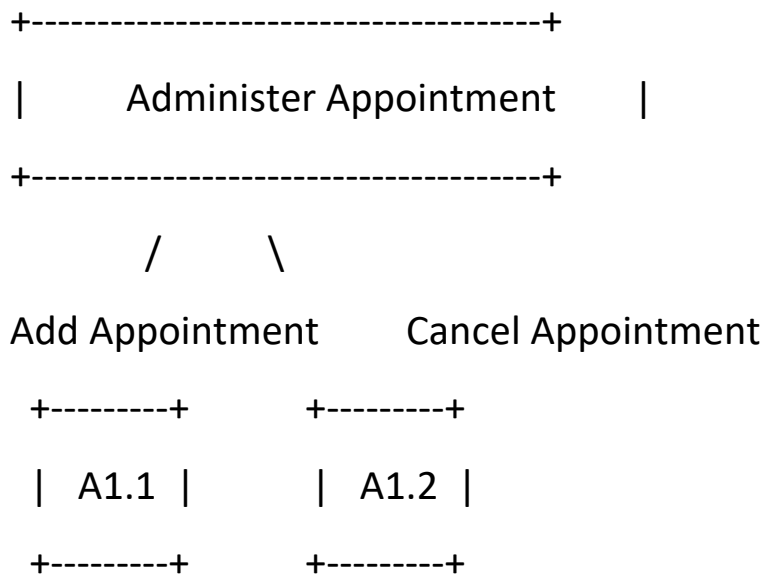
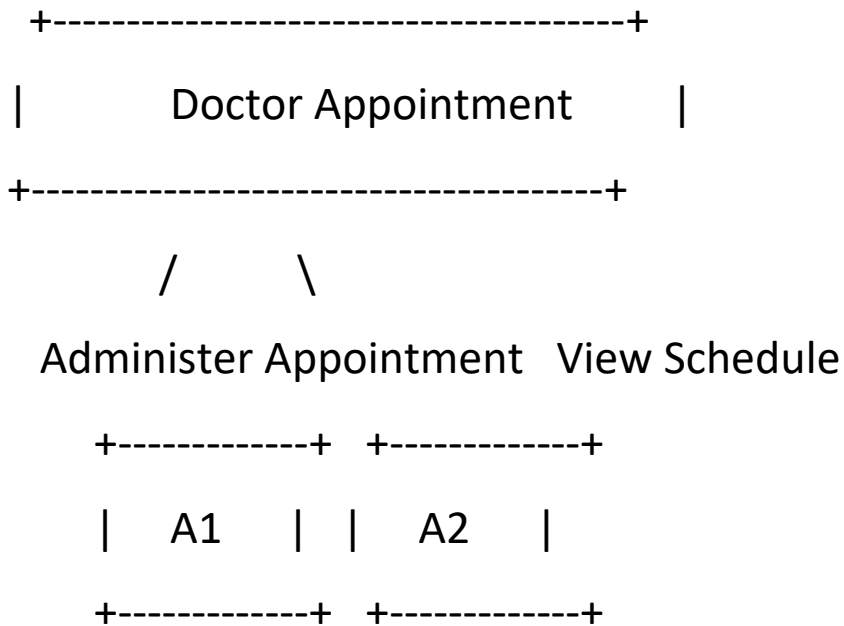
0 Level DFD



1 Level DFD



2 Level DFD



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| View Schedule |

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Check Availability View Appointments

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Software Specification

- TechnologyImplemented : PHP and JQuery , Bootstrap
- LanguageUsed :HTML,CSS and JAVASCRIPT
 - Database : SQL
- UserInterfaceDesign : HTML and CSS
- WebBrowser : Chrome, Firefox and Microsoft Edge
- Hosting : localhost
- Platform : XAMPP and phpstorm Hardware

HardWare Requirements

- Processor : 1GHz above
- OperatingSystem :Linux ,Mac and Windows
 - RAM : 1GB above
- HardwareDevices :Monitor, keyboard, Mouse
 - Harddisk : 10GB above
 - Display :Monitor(LCD or LED)

Future Scope

In a nutshell, it can be summarized that future scope of the project circles around maintaining information regarding-

1. We can give more advance software for doctor appointment system including more facilities
2. Create the database structure to reduce the overload of the database queries.
3. Implement the back-up mechanism for taking back-up of code base and database on regular bases on different servers.

The above mentioned points are the enhancements which can be done to increase the applicability and usage of the project. Here we can maintain the record of Doctor and Appointment. Now-a-days there is a scope appointment system. So if there is any other future requirements in the system by the user for the enhancement of the system. Then it is possible to implement them.

We hope that this project will serve its purpose for which it is develop there by underlining

