



Health Care Service Management System

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Abstract – Hospital Management System is an organized computerized system designed and programmed to deal with day to day operations and management of the hospital activities. The program can look after inpatients, outpatients, records, database treatments, and status illness. It also maintains hospital information such as ward id, doctors in charge and department administering. The major problem for the patient nowadays to get report after consultation. Many hospitals manage the reports in their system but it's not available to the patient when he / she are outside. Here we proposed a system that connects patients to available doctors for online consultation and also allows doctors to email subscriptions in printable format. By using the internet as a medium, patients are given more freedom in decision making about their preferences for the appointments and have improved access. Our proposed system aims to build an environment where various patients needing doctor help at their home can consult doctors, send images, chat with doctors, tell them their issues and discuss remedies. In this project we are going to provide the extra facility to store the report in the database and make available from anywhere in the world.

Keywords- Medical reports, Appointment, Online Consultation.

I- INTRODUCTION

The proposed project is a smart appointment booking system that provides patients or any user an easy way of booking a doctor's appointment online. This is a web based application that overcomes the issue of managing and booking appointments according to user's choice or demands. The task sometimes becomes 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. The already booked space will be marked yellow and will not be available for anyone else for the specified time. This system also allows users to cancel their booking anytime. The system provides an additional feature of calculating monthly earnings of doctor. Doctor has to just feed the system regularly with daily earnings and the system automatically generates a report of total amount earned at the end of the month.

In last year's use of Computers has rapidly increased and counting is still on it becomes very convenient for users to use Application.

- The search facility was not so powerful in the system. Our new system is very powerful to apply very flexible search and generic queries to database.
- Everything has to be manually entered to maintain the records.
- Data retrieval is not easy and lots of time is wasted in retrieving the data.
- Wrong records may be entered resulting into duplication of work and confusion.
- Updating records is very difficult since everything has to be done manually.

Health Care Service will be able to Sort out appointments, View the feedback form. Approve only the authorized user, Provide an overview and reminders via emails/calls to both the doctor and the patient, Enlist the availability of OTs, hospital beds, casualties etc., Fill up medical history, Upload various medical reports (ex. MRI, CT- Scan, X-ray reports, blood test reports, etc.), Book appointment for online consultation, View appointments, upload necessary documents (ex. Prescription,

approval letters etc.), Provide online consultation, Have a personalized timetable with reminders, quick chat system.

II-METHODOLOGY

In the Health Care Service Management System, firstly we register our profile. After registration get successful then login in it. If login get successful, then we book appointment with regarding doctor and get the appointment.

Admin will have the full-fledged details of patients and doctors. He will verify and add only the valid doctors which substantiate the authenticity.

- Sort out appointments.
- View the feedback form.
- Approve only the authorized user.
- Provide an overview and reminders via emails/calls to both the doctor and the patient.
- Enlist the availability of OTs, hospital beds, casualties etc.

The task can be performing by patient are as follows:

- Fill up medical history.
- Upload/View various medical reports (ex. MRI, CT- Scan, X-ray reports, blood test reports, etc.)
- Book appointment for online consultation.
- View all the emergency/Required contact number.
- Ask any query to doctors.

A Doctor can upload his/her qualification by creating a profile Once the admin confirms and verifies the authenticity of the documents, then he will declare him/her as a valid doctor.

- View appointments.
- Upload/view necessary documents (ex. Prescription, approval letters etc.) of patients.
- Provide online consultation.
- Have a personalized timetable with reminders.
- Answer any query or ask one query to patient

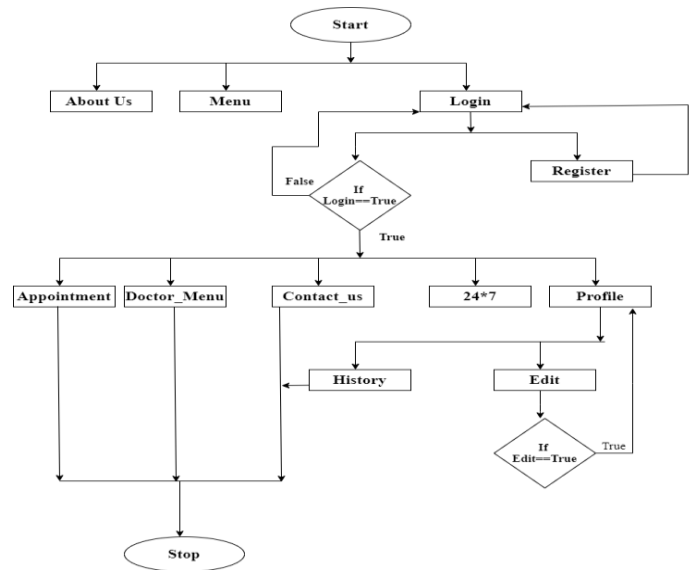


Fig. 1- fig show the flow chart of system

III- DESIGN

- Database Design:

1. Appointment:

```
mysql> desc appointment;
```

Field	Type	Null	Key	Default	Extra
patient_id	int	NO	PRI	NULL	auto_increment
patient_name	varchar(45)	YES		NULL	
patient_email	varchar(45)	YES		NULL	
patient_mobile	bigint	YES		NULL	
doctorname	varchar(45)	YES		NULL	
patient_appointmentdate	varchar(45)	YES		NULL	
patient_timeofappointment	varchar(45)	YES		NULL	
patient_reasonforappointment	varchar(45)	YES		NULL	
Createddate	varchar(45)	YES		NULL	
filename	varchar(255)	YES		NULL	
path	varchar(255)	YES		NULL	
doctorfilename	varchar(255)	YES		NULL	
doctorpath	varchar(255)	YES		NULL	
type_of_appointment	varchar(45)	YES		NULL	
doctor_hospital	varchar(45)	YES		NULL	

2. Contact us:

Field	Type	Null	Key	Default	Extra
contact_id	int	NO	PRI	NULL	auto_increment
contact_firstname	varchar(45)	YES		NULL	
contact_lastname	varchar(45)	YES		NULL	
contact_email	varchar(45)	YES		NULL	
contact_mobile	bigint	YES		NULL	
contact_message	varchar(100)	YES		NULL	

3. Patient:

Field	Type	Null	Key	Default	Extra
patient_id	int	NO	PRI	NULL	auto_increment
patient_name	varchar(45)	YES		NULL	
patient_email	varchar(45)	YES		NULL	
patient_mobile	bigint	YES		NULL	
patient_password	varchar(45)	YES		NULL	

4. Hospital Details:

Field	Type	Null	Key	Default	Extra
hospital_id	int	NO	PRI	NULL	auto_in
hospital_name	varchar(45)	YES		NULL	
hospital_no_of_doctor	bigint	YES		NULL	
hospital_address	varchar(45)	YES		NULL	
hospital_city	varchar(45)	YES		NULL	
hospital_state	varchar(45)	YES		NULL	
hospital_zip	int	YES		NULL	
hospital_no_of_beds	bigint	YES		NULL	
hospital_no_of_icu	bigint	YES		NULL	
hospital_no_of_ot	bigint	YES		NULL	
hospital_emergency	varchar(45)	YES		NULL	
hospital_contactno	bigint	YES		NULL	

5. Doctor:

Field	Type	Null	Key	Default	Extra
Doctor_id	int	NO	PRI	NULL	auto_incr
Doctor_fullname	varchar(45)	YES		NULL	
Doctor_email	varchar(45)	YES		NULL	
Doctor_password	varchar(45)	YES		NULL	
Doctor_mobile	bigint	YES		NULL	
Doctor_specialization	varchar(45)	YES		NULL	
Doctor_gender	varchar(45)	YES		NULL	
Doctor_city	varchar(45)	YES		NULL	
Doctor_state	varchar(45)	YES		NULL	

IV- CONCLUSION

A Health Care Service system is a collection of sources of information and similar resources, made accessible to a defined community for reference or borrowing it provides physical or digital access to doctor. In this project "Health Care Service" doctor and patient can book and interact with each other it is completely web based. One can get benefit and they will get it at free of cost, by this project everything will come at single place and students don't have to search more.

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