PREMIER UNIVERSITY

Department of Computer Science and Engineering

Report

Course Name: Database Management System

Course Code: CSE237

Name of the Project: Doctor Appointment System

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Abstract

A doctor appointment system website serves as a valuable tool for both doctor and patient, streamling the process of scheduling and managing medical appointments. Through this a patient can make an appointment to the doctor anywhere, any place without going to the doctor's chamber. In this data managing system patients win, keep the record, of will able to keep the record of their appointment, make a personal profile doctors can keep the history of their patient, schedule the time when he is an available.

Introduction

A doctor appointment website is a online booking system where patients can book their make appointments to doctor related to their health issues. This system will be efficient for both patients and doctors will Patients won't have to go to the chamber in person so it will be save both time and transportation cast. Doctors won't have to keep assistants who will manage the appointments. Because this System will provide the doctors kind of services where doctors can manage appointment related works on their own. So it will be more profitable for doctors.

In this management system we will have admin / doctor log in, and patients sign up and log in pages. Here patients will make their own profile under specific doctor. After doctor's making a schedule for a particular day, patients will be able to make an appointment from their profile. Both doctor and patients can update and delete information from their profile.

Later we will discuss the project objective, methodology, database design and System outputs.

Objective

To facilitate the efficient scheduling and management of medical appointments between patients and doctor.

Methodology:

This proposed Doctor appointment system is separated into two independent panels. Where the panel users work in their panels according to their to their identities.

- ➤ Admin/Doctor panel
- ➤ Patients panel

o **Doctor / Admin Panel:**

- • Can login to go into his profile
- • Schedule the appointment.
- • Can delete schedule.
- • Can update his information
- • Can delete patients information.
- • Can read patients information.
- • Can see whether there is any patient lelf without appointment on not.

Patients Panel:

- • Can Sign up to make a personal profile under the doctor.
- • Can log in to make an appointment.
- • Can update re delete their information.
- • Can see whether the doctor is available for appointment or not.
- • Can inform doctor about health issues in the comment.

Database Design

ER Diagram:
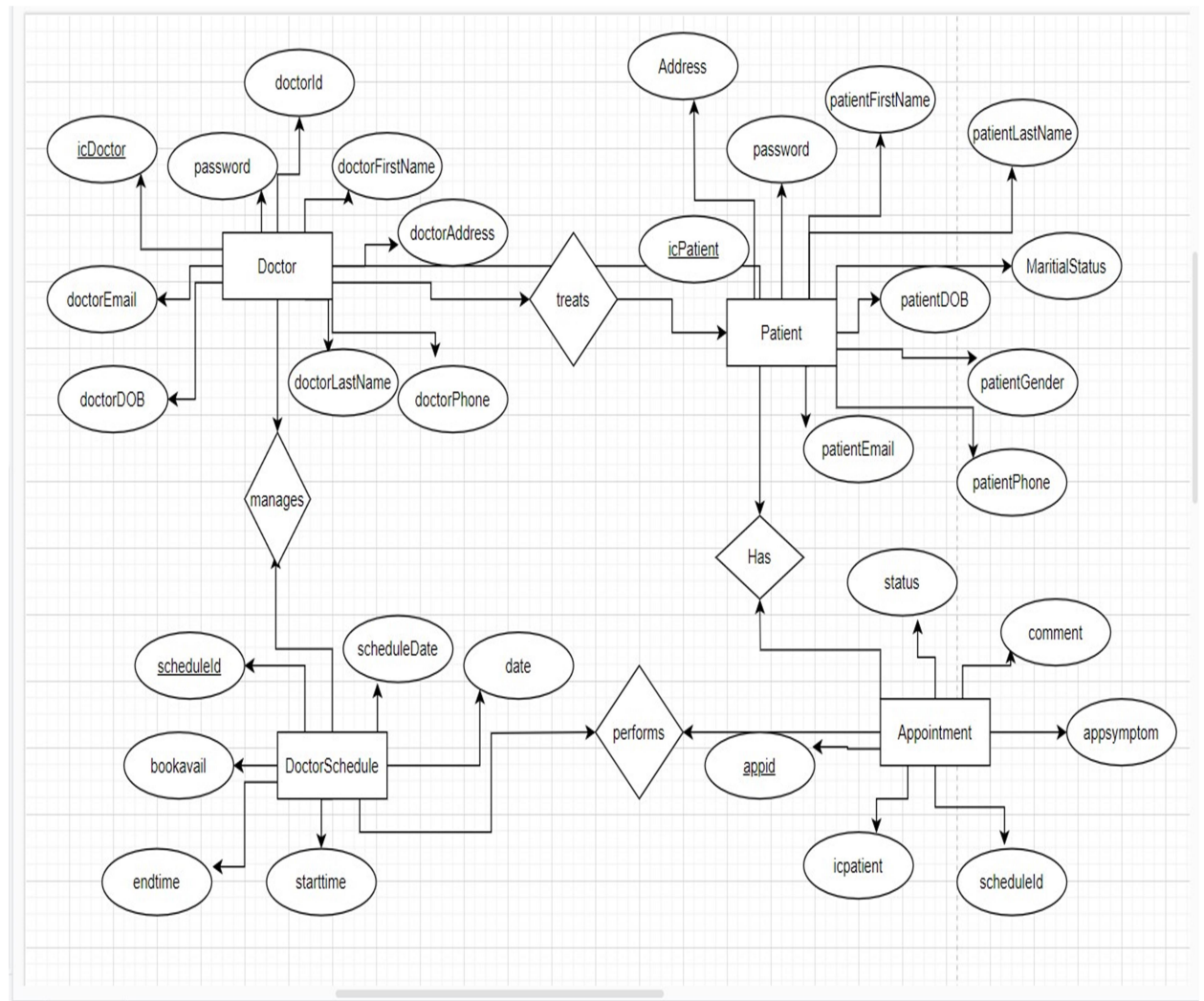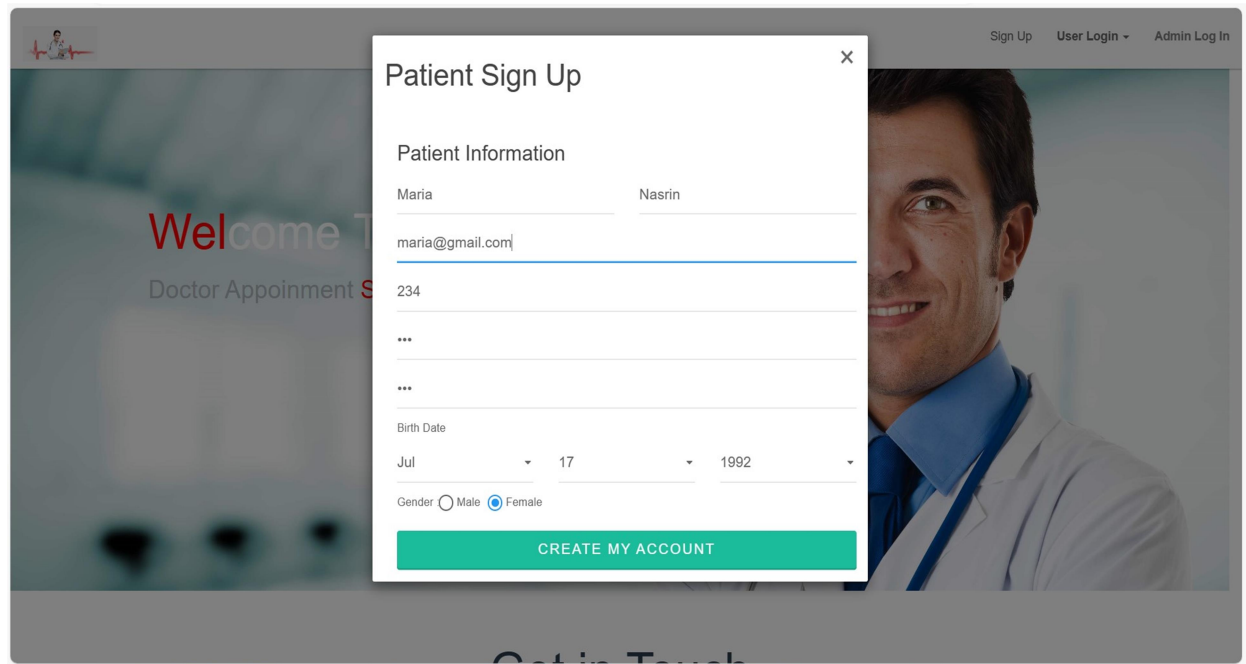
Doctor: icDoctor, password ,doctorId, doctorid, doctorFirstName, doctorLastName, doctorAddress, doctorPhone, doctorEmail, doctorDOB.

Patient: icpatient, password, patientFirstName, patientLastName,   MaritialStatus, Address, patientPhone, patientEmail, patientDOB.

Doctorschedule: scheduleId, scheduledate, startime,endtime, bookavail.

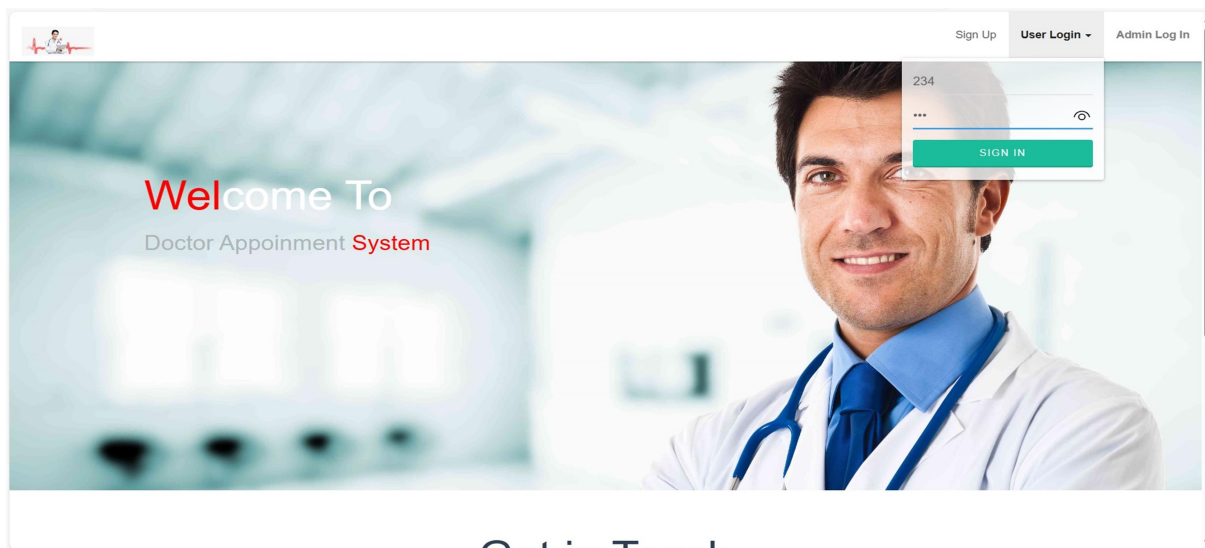**Appointment**: appid, icpatient, sceduleid, appsymptom, scheduleDay, endTime, boolAvail.

System outputs

Figure: 01

In figure 1 a patient can sign up to make a profile under a specific doctor.

Figure 02

In figure 2, a patient can log in to make an appointment to the doctor.

Figure 03

In this figure a doctor can log in to manage the appointment.

Figure 04

After log in the doctor can schedule his appointment in according to his time in this page.
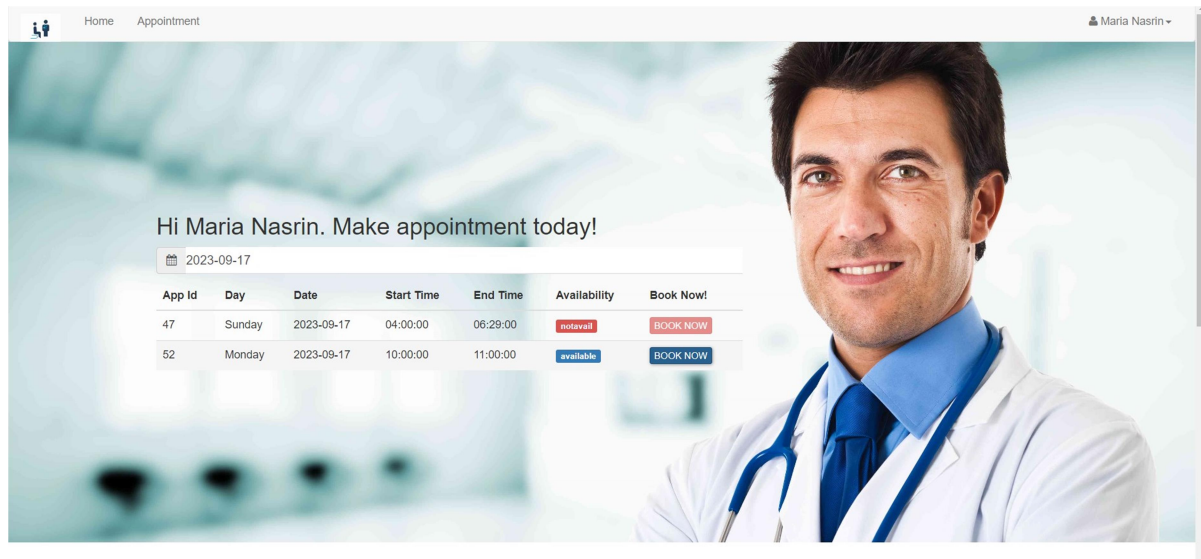
Figure 05

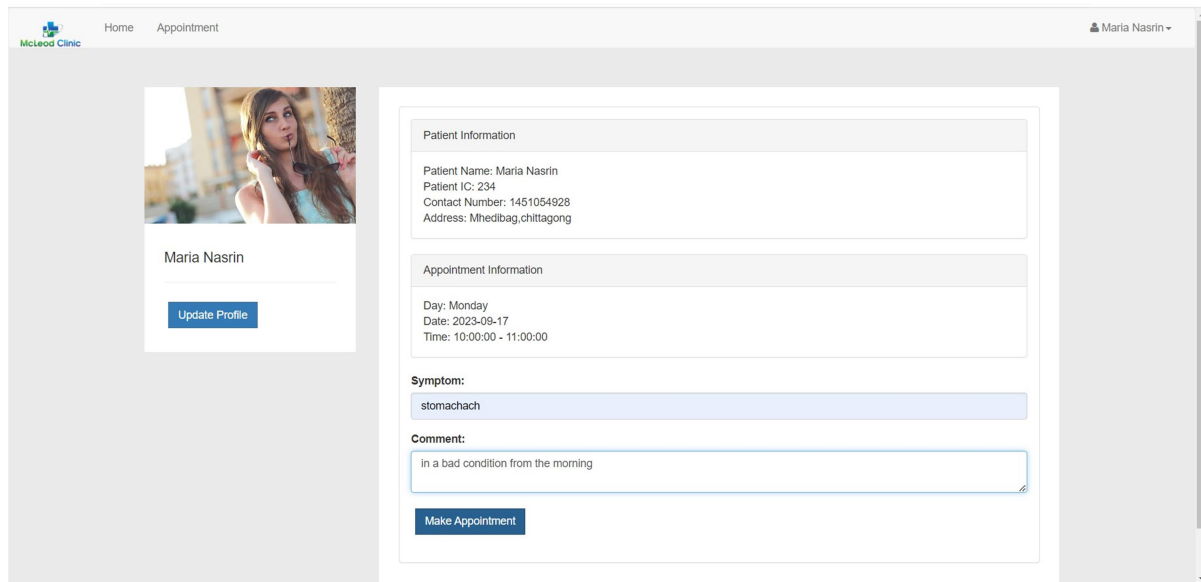Here, in this figure the patient can process the appointment by clicking "BOOK NOW".

Figure 06

After clicking the "Book Now" figure 06 will show up and the patient can write his symptoms and comments. By pressing the "Make Appointment " button one can be able to place the appointment.
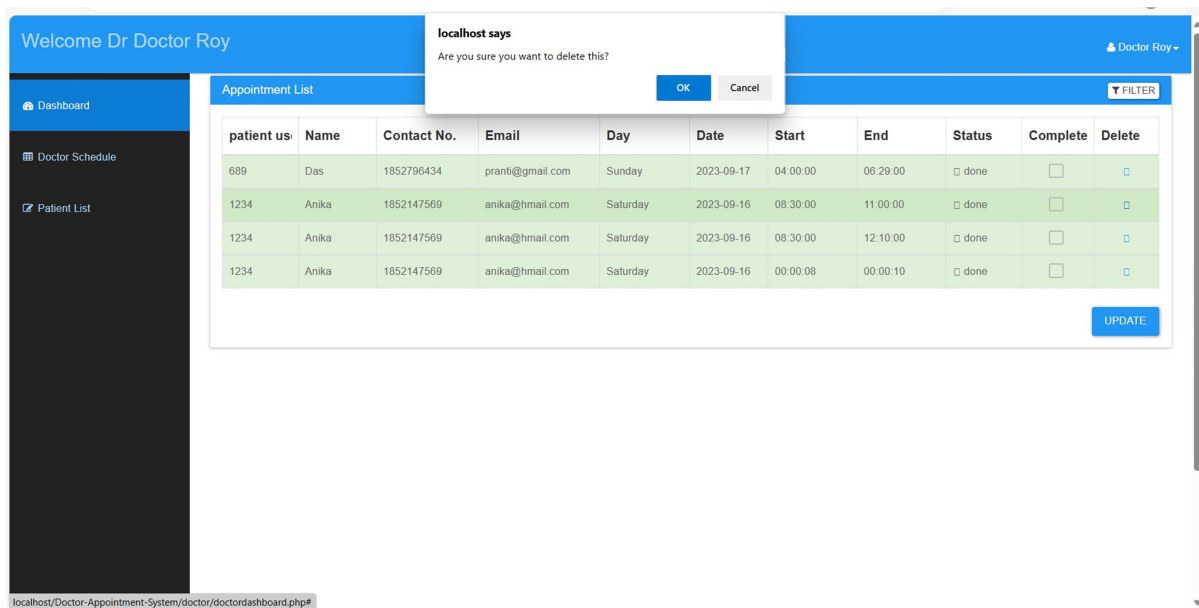
Figure 07

After making an appointment his information will show up in doctor's Dashboard which is showed in figure 07. Doctor will have to press the "Complete " button to sure that he has made the appointment with the specific patient. Doctor can also delete patient from patient list.
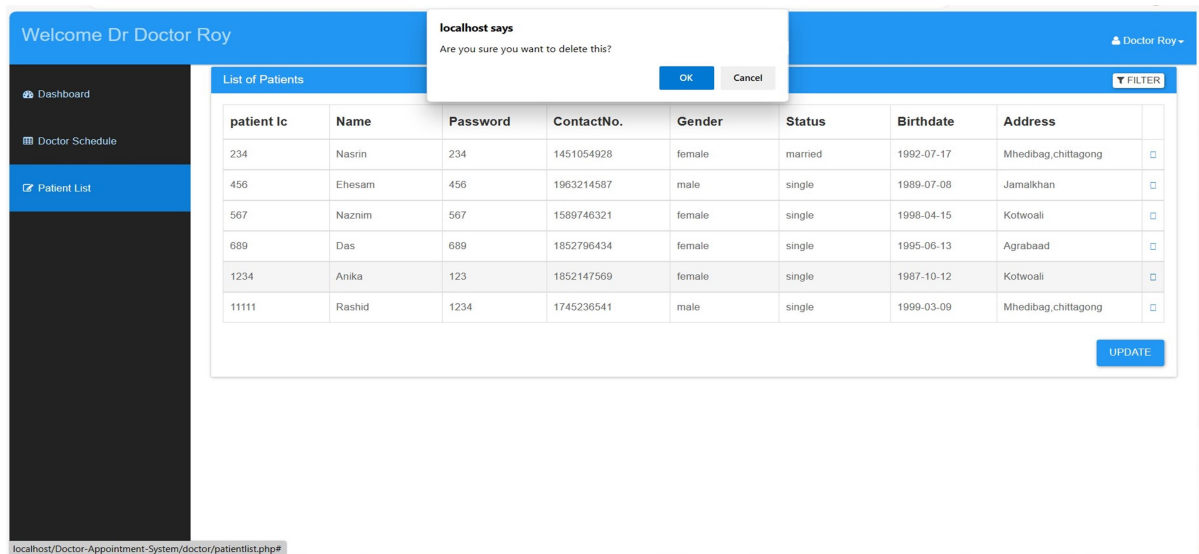

Figure 08

In figure 08 the doctor can see the patients information and can also delete from them.

Figure 09

In figure 09 the patient can update the information in his profile.

Figure 10

In figure 10 the Doctor can change his information by clicking "UPDATE INFO" button.

Conclusion: A Doctor Appointment system is a kind of website where the patient will make an appointment according to online basis so that they won't have to go to the chamber in person. The system can also be used in phone so it is very handy to use. We have also created a database management system so that both the doctor and patients can store the information. By creating a schedule management the doctor would be able to schedule the appointments according to his time. We have also been able to update , delete and read data for both doctor and patients profile. So, it is a system which can be used usefully and efficiently for both healthcare providers and the healthcare seekers.