# Databases

# Fall 2018

# Project Proposal

**[Claimant Management System for Doctors**

**Or**

**Appointment Management System]**

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# *Submitted to*

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**Introduction**

In this project, we proposed to develop a database system where the cases from various patients can be registered and the registered cases are directed to the Professionals (Doctors) respectively, one patient is directed to one doctor. The doctor then enters the case details of that patient in the system and the data is then stored in the database system. The cases are then appointed as per doctor’s and patient’s availability. A date-time and the venue of the clinic is recorded for the appointment. Patient’s details would include his/her name, address, phone number, DOB, DOA (Date of accident/disease occurring), circumstances, a unique id and other details are stored in the system. A doctor has some personal details stored as well.

Pros of this system according to us is that it would be an efficient way of record keeping of the patients and can be applied and introduced to different clinics and hospitals where huge amount of incoming data is a problem. It eases the process of seeking appointments. Such systems can be user-friendly and can be accessed from various locations, whichever is feasible by the experts (doctors).

**Modules of the System**

In order to attain the objectives of the system, the following list of specific milestones is set:

* Develop a database for patients for easy access to their medical history and future doctor appointments.
* Connecting best possible medical professionals with the patients with regard to the Patients’ case and medical history.
* Appointments appointed and a record of whether the patient attended it or not attended in stored in the system. Study and approve incoming cases, give appointments and view their patient’s history.
* To facilitate various report/status generation. Medical history and identifying trends are observed.
* The generated reports for the patients would be sent out on email addresses/or as notification on their system account home page provided by the claimants, so that the reports and progress can be known to the parties.
* Efficient and easy scheduling of doctor-patient appointments.

**Front-end Development**

* *Form for Doctors:*
  + *Register/Login*
  + *Instruct case*
  + *Find Case*
  + *Schedule an appointment*
  + *Can be extended for further use.*
* *Form for Patients*
  + *Application/ Register case*
  + *Register/Login*
  + *Seek Appointment*

**Tools & Technologies**

ERD: DB Designer

Back-end: SQL Server

Front-end: C#, Visual Studio