**DENTIST MANAGEMENT SYSTEM**

**INTRODUCTION:**

This dentist management system will handle the clinical requirements of the doctor, the patient and the receptionist. The services rendered by each will be recorded for further review in the future. This software will enhance the working experience of the clinic by scheduling appointments.

**PURPOSE:**

The task of scheduling appointments and the communicating with the doctor is handled easily by the use of this software. The medical records and details of the patients will be maintained by the software for the doctor. A regular checkup can be scheduled time to time as per the condition of the patient including online payment.

**SCOPE:**

All paperwork will be reduced to digital administration of the clinic, right from the doctor to the receptionist and the patient. All the services engaged by them will be stored in the database of the system for future reference. This software will foster the process of scheduling appointments with the doctor. Based on the past records of the patient, the dentist can then precisely prescribe the medications.

**SYSTEM OVERVIEW:**

The system will contain a list of 6 major modules, namely the super-admin, clinic admin, doctor, receptionist, patient and the service engineer.

1. **Super-admin:** is the controller of the whole system. He will have the privileges of to modify the entire system and all its subscribers which include the doctors of the clinics. He will also manage the subscription packages of all the clinics. He will also renew their licenses. He can send email notifications whenever required.
2. **Clinic admin:** this module manages the staff within the clinic itself. All the clinical activities such as overview of the number of appointments on a particular day, income and expenditure for a time duration, payments to be made to the staff, inventory requirements will be shown in the reports in the form of graphs. It will also include a payment gateway and check if the patient has already paid or is due.
3. **Doctor:** this module is on managing the appointments from the patients and their details and reschedule them when required. A job sheet of the patient will be displayed which will express in detail what things are to be done and what are still remaining to be attended to. Depending upon the procedures performed the medical prescriptions for the patient will also be recorded. The entire medical history of the patient with its documents like x-rays will be logged. The dentist will also be able to send an invoice to the patient which will contain the billing. A referral tab will also be placed incase the dentist wishes to refer the patient to another doctor. The doctor has access to a blog wherein he can write his messages and answer queries.
4. **Receptionist:** will register the patient with a valid username and password. He will also fix appointments of the patient or reschedule them. All the appointments will be seen by the receptionist. He can mark the arrival of the patient and the dentist can be notified accordingly. When the receptionist clicks send, all the details of the patient will automatically appear on the screen of the dentist with his past history and what he requires that day. After the treatment, the receptionist can view and print the prescription of the patient. He can also control the invoices of the patient which contains the billing information.
5. **Patient:** will contain the timings of his appointments with the dentist. It will also contain the past records of what he has already undergone. Also, his personal documents regarding his treatments will be seen. All-in-all the entire job sheet of the patient will be shown here with the name of the doctor who treated the patient. The patient can view his billing details and pay online through the payment portal.
6. **Service engineer**: a list of engineers from the company and their contact details will be stored here. The dentist will be able to call the required engineer when needed. All the past as well as present appointments of the engineer will be recorded here. Regular maintenance and servicing of the equipment and apparatuses involved will be notified to the engineer. A sale and a profit graph will also be provided to the engineer.

Usecase Diagram

