ONLINE HEALTHCARE APPOINTMENT SYSTEM FOR DOCTORS AND PATIENTS

By

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ABSTRACT

This paper proposes a smart appointment booking system that provides the patients or any user with an effortless 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 the choice or demands of the user. The task can sometimes become very tedious for the doctor's front office in manually allotting appointments for the users as per their availability. Hence, this paper 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 to anyone else for the specified time. This system also allows users to cancel their bookings at any time. The system provides an additional feature of calculating the monthly earnings of doctors. The doctor must just feed the system regularly with daily earnings, and the system automatically generates a report of the total amount earned at the end of the month. The application uses Asp.net as a front-end and the Sol database as the back-end.

Keyword: Online Appointment, Android, Hospital, Scheduling, Track, Healthcare.

INTRODUCTION

If somebody is ill and wants to visit a doctor for a check-up, they need to visit the hospital and wait until the doctor is available. The patient also waits while getting an appointment. If the doctor cancels the appointment for some emergency reason, then the patient is not able to know about the cancellation of the appointment unless or until they visit the hospital. As mobile communication technology is developing rapidly, one can use mobile applications to overcome such problems and inconveniences for patients.

The proposed work in this paper is an online hospital management application that uses an Android platform that makes the task of making an appointment with the doctor, easy and reliable for the users. The Android-based online doctor appointment application contains two modules. One module is an application designed for patients that contains a login screen. The patient must register before logging into the application. After logging in, the patient can select a hospital and view the hospital details. The patient has the option of selecting a doctor from the list of doctors and can view the doctor's details. The patient can request an appointment on their preferred day and time. The selected day and time slot will be reserved, and the patient will receive notification of the successfully added appointment. The patient can view the location of the hospital on a map. In addition, the patient can contact the hospital and the doctor by making a call or may send an email to the doctor. There are considerable online scheduling tools on the internet, a few of which are trait loaded, simple to setup and economical for practitioners. Online appointment reservation and

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