

# Physiotherapy for Athletes

Tahseen Afreen, Shruti Sharma  
*HMR Institute of Technology and Management*

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**ABSTRACT:** Life is becoming too busy to urge medical appointments face to face. It is very difficult nowadays to maintain a proper health care. The main objective of this work is to provide easiness and comfort to patients while taking appointment from doctors. There are many problems that the patients have to face while making an appointment, this research tries to resolve all of them. Medical appointment and consultation are of basic necessity in the field of medicine which gives the doctor the opportunity to access, examine, test and diagnose a patient of an ailment or diseases. There are several researches that have been done in this field where some researches allow a patient to book an appointment with a particular doctor. Also, the system includes an intelligent chatbot that helps in live consultation with a doctor and also consults them to reach to a doctor that would be a specialist in that area. The study adopted object-oriented analysis and design approach and implemented the web application using Reactjs which is used as the basic framework and the programming language for the logic and for frontend approach while Firebase and MySQL were used for the backend. The research work played a major role in the field of medicine which allows and enable the patient to have a real time scheduling of appointments with a doctor and have conversation and interact together.

**KEYWORDS:** Appointment-booking process, appointments portal, Prototype Model, React, JavaScript, MySQL, Firebase.

## I. INTRODUCTION

If anybody is ill and needs to go to a doctor for check-up, he or she must visit the hospital and waits until the doctor is out there. The patient also waits during a queue while getting appointment. If the doctor cancels the appointment for a few emergency reasons then the patient isn't ready to realize the cancelation of the appointment unless or until he or she visits the hospital. because the mobile communication technology is developing rapidly, therefore, one can use the

mobile's applications to beat such problems and inconvenience for the patients.

An intelligent agent-based appointment system has been proposed during which a scheduling system is provided for patients. Searching doctors and hospitals alongside navigation details also are available within the app in order that they can get proper treatment on time. Medical Appointment may be a web-based mobile application design to assist in patient scheduling. Patient scheduling is an integral part of daily work for healthcare professionals, from family practices to large clinics, from physician offices to hospitals. Appointments got to be coordinated and medical support staff has got to be constantly conscious of all new patients and doctor's schedule.

This app is useful to patients to ask questions and state their concerns to doctors regarding their health condition. This app will facilitate the patients to interact with doctors without making any physical appointments.

This site is beneficial in lately like COVID-19. Because nowadays people are thinking twice before getting to a doctor, this website help people to interact with doctor with none physical contact, they will consult the doctor just by sitting at their home.

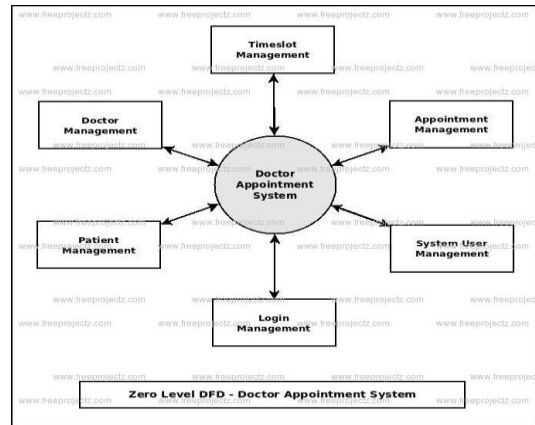
## II. STATEMENT OF PROBLEM

Several

researches are administered within the area of health among which include (Peter Idowu et al., 2014)- Dependable Online Appointment Booking System for NHIS Outpatient in Nigeria Teaching Hospitals; (Choudhari et al., 2014)- Android Application for Doctor's Appointment. Searches have however shown that none are ready to integrate a true time online medical appointment and online consultation. This study therefore intends to style and implement a mobile based medical appointment and consultation system.

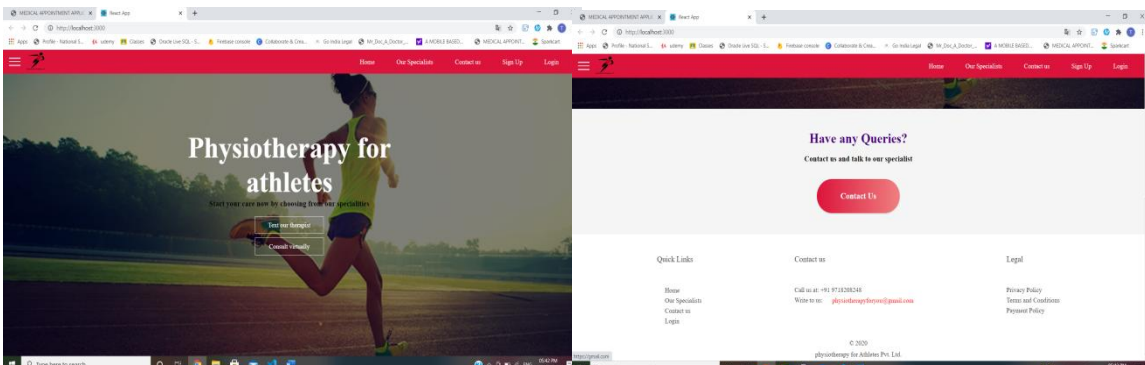
### III. METHODOLOGY

This define about the sort of methodology which will be utilized in the event of Medical Appointment Application. The methodology model which will be utilized in the appliance is prototype model. The Prototyping Model could also be a systems development method during which a prototype, an early approximation of a final system is formed, tested, then reworked as necessary until a suitable prototype is finally achieved from which the entire system or product can now be developed. This model works best in scenarios where not all of the project requirements are known intimately before time. it's an iterative process.

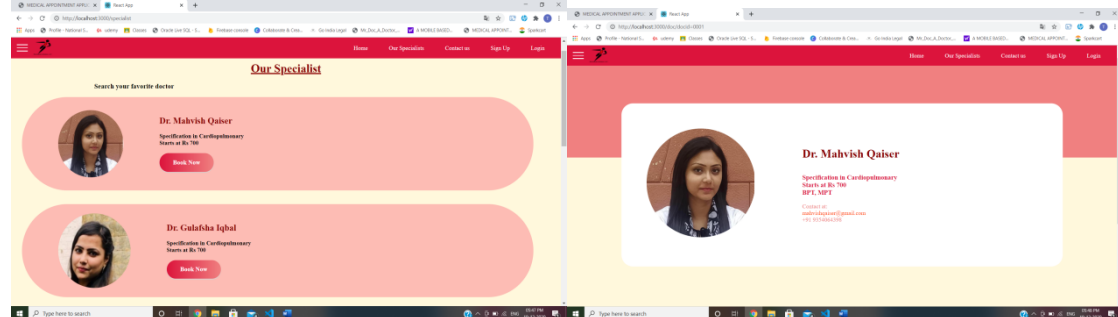


### IV. DESIGN INTERFACE

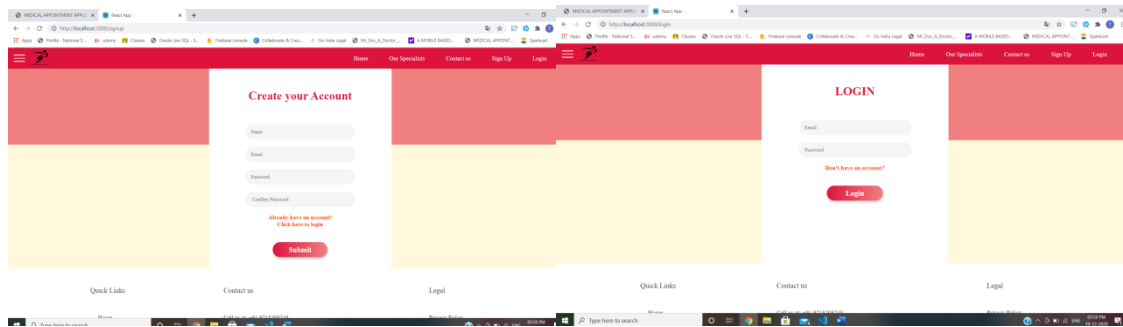
System design may be a systematic approach where it takes under consideration all related variables of the system that must be created, from the architecture, to the specified hardware and software, right right down to the info and the way it travels and transform throughout its travel through the system. The system design is extremely important within the design development process.



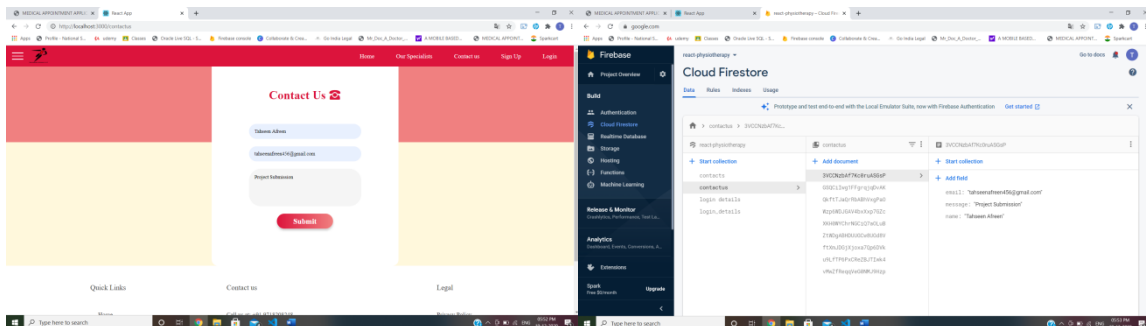
Depicts the home page of the website



Depicts the doctors search page



Depicts the sign up and Login Page



Depicts the Contactus Page and its structure

## V. CONCLUSION AND FUTURE SCOPE

After successful completion of the research work, the work has been ready to achieve the most aim of the work which is that the implementation of a mobile based medical appointment and consultation system. The research has been ready to achieve a true time scheduling and rescheduling of patients with number of obtainable doctors. it's efficient and has friendly interface . Also, the system will help reduce the strain or fatigue patients undergo waiting on the queue to satisfy a doctor. More so, the research helps in bringing the doctors and patients closer anytime and anywhere with the successful integration of the live consultation module.

Addition of the admin and doctor modules within the android application are included in future work. that might help the doctor to register on the appliance and perform all the tasks on the app. The admin would be ready to use the app for managing the small print of the patients and therefore the doctors rather than using the web site .

Medical Appointment application may be a web-based mobile application designs to assist in patient scheduling with practices. supported the developed application, a number of the User, the patient can easily book their appointment with the practice they wanted avoiding an extended queue at the clinic. Medical Appointment application has the potential to be improved within the future. There are proposals that are suggests and function a guide

for improvement of this technique . a number of these proposals are to form the practices' administrators ready to display the available appointment time for the user to settle on and to form an email notification or any kind of notification for appointment rejection. Besides that, it's suggested to form the appliance interface more interesting and creatives. In summary, Medical Appointment application has successfully achieved it objectives drawn at the start line of project planning. the appliance is made to collect any medical practices that want to participate within the application, specifically practices. Also, it's to assist the patient in avoiding any difficulties in appointment booking with these practices.

## REFERENCE

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