A STUDY AND IMPLEMENTATION OF SMARTPHONE APPLICATION FOR MEDICAL NEEDS OF INDIVIDUAL

Helping to make your medical life easy

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Abstract: Application is a software which is based on an idea to make every individual life easy by providing easy access, door step service, entertainment etc. There is huge number of application in the market currently helping in individual's day to day life Practices**.** In this 21st century, where people work hours more and they have less time to take care of themselves and their health we have many applications for food, e-commerce, cosmetic, IT and many more in market but health is a sector which doesn't have a proper application for taking care of your health and manage your medical life. The idea of making Medicpedia is to create a solution which can manage your day to day health life and appointment and medicine timings and help you with for medical emergencies and you can also find nearby hospitals, Clinics and Pharmaceuticals.

Index Terms **–Application, Medicpedea, Health, Hospitals**

I.INTRODUCTION

In the run of life many things are important like health, love, being happy, spiritually rich, well-read, self-sufficient, fearless, determined you but, as the saying says "Health is wealth". So the priority of life is our heath first as you stay health you can take better care of your family and you wealth. MEDICPEDIA refers to 2 terminology one is to Medical which means your medical related issues and second is got Pidea which is nothing but Wikipedia which contain all the knowledge about everything just like Wikipedia Medicpedea is your medical Wikipedia which store all your medical related information. Medicpedia is a concept to help the people with the application which store your medical history and personal medical details to help with in an individual's personal medical life. The reason to develop this application was simple as I want to build a healthy society for that everyone should take of their health and to maintain that heath people need something to manage their medical health life. Today people are busy with their life so they cannot keep track of what is their health requirements and what is their health needs so for everything this application will be the solution. It will manage your Medical history like what time you have started the treatment, what is the disease about, and many more essential treatment related questions. It also create the events for your appointments and set times to take your medicines. All in all it help to manage your Medical life.

II.　　Literature review

The idea of this application comes in my mind when I was told to make something new and different and while searching through play store I found that many applications are there but not medical related they are all workout or fitness related application but not many to manage your medical life. So I started researching on the idea how to create such an application to help people manage their health life.

1. I went to some clinics and asked what is the important part for a treatment they told me it's the basic things like how is patient blood pressure did they suffer from diabetes or any major operation have taken place before this.
2. Searched on google how many people are dying because of poor health as they were not self-aware of their medical conditions.
3. Searched for any application related to Medicpedia but maximum application are to find location of nearby hospitals or clinics and to call ambulance.

So at the end as no application was there as Medicpedia. I picked this idea and trying to get it in an application

III.　　WORKING ARCHITECTURE

III.1 DEVELOPMENT REQUIREMENTS

1. IDE: Android Studio
2 Backend: JAVA with SQL
3 Front end: XML
4 Database: SQLite

III.2 CLIENT SIDE REQUIREMENTS
1. Basic Android phone
2. Access to contact log
3. Access to phone storage

III.3 The working of this application is very simply divided into 4 parts

1. Profile: Which saves your personal and basic medical data
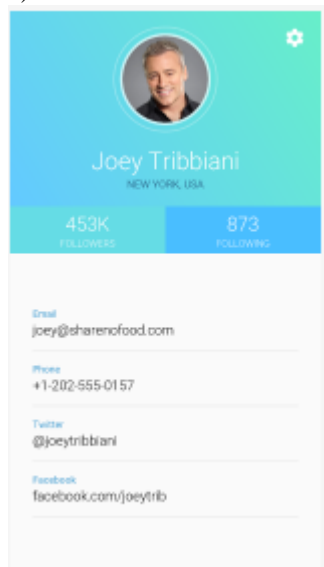   a) User Interface

Fig 1
(Profile UI)

2. History: It will save your history of that treatment/disease
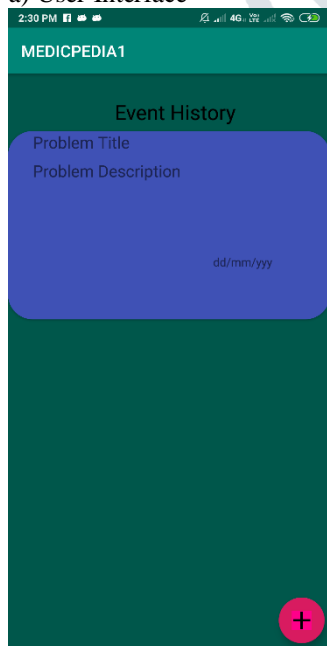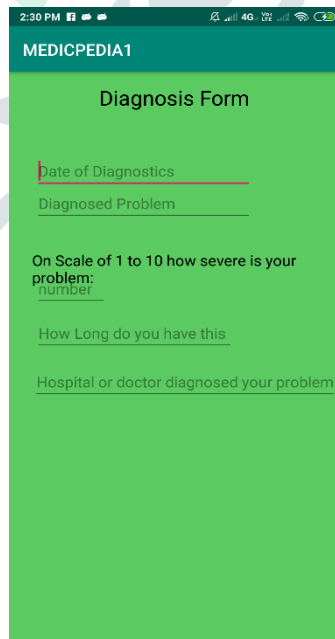   a) User Interface

Fig 2.a
(History tab)

Fig 2.b
(History Form)

3. Events: Which help you create the timing and appointments for you hospital visit.
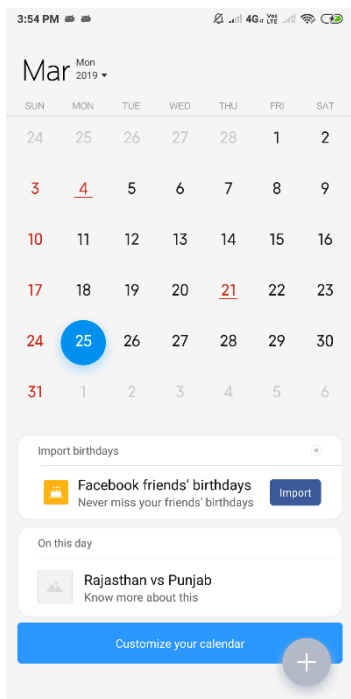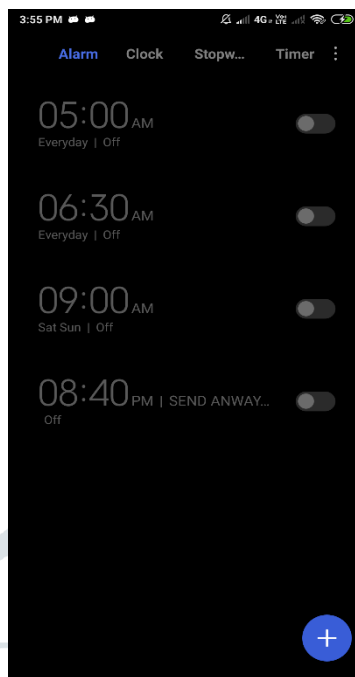   a) User Interface

Fig 3.a
(Google Calendar)

Fig 2.b
(Alarm Clock)

4. Emergency: It has a saved contact which will be getting dialed whenever you press the emergency button.
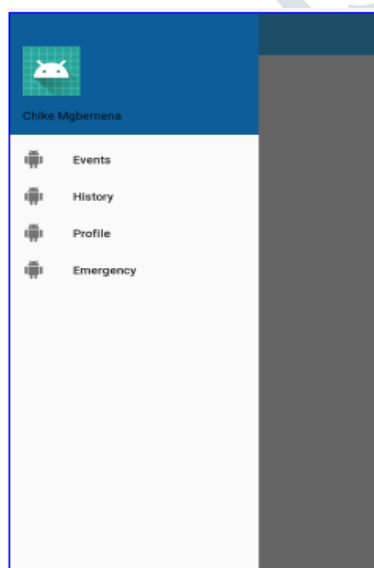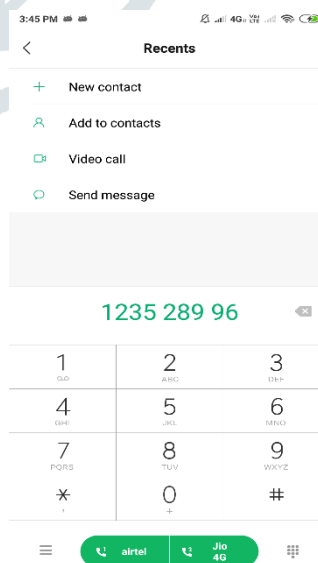   a) User Interface

Fig 4.a
(Navigation drawl)

Fig 2.b
(Dialer Pad)

IV. ADVANTAGE / DISADVANTAGE

1. The application maintained your medical history for your future convenience.
2. To help adjust your timings properly it create events according to your plans like doctor appointments or any ultrasound appointments. So that you don't forget to take your medicine on timings you can set your times to take pills.
3. It maintains and updates your profile time to time so you have the idea about your health status.
4. Emergency button is there to help you connect with your Saved Emergency contact while emergency.
5. It's a basic easy to use and application.
6. Graphical User Interface is very basic.
7. As the application is a basic so it's very time consuming compare to other applications.

V. CONCLUSION

We all know that which is started will end just like life if you are born you're going to die one day but what type of death you want. I wish not a painful one and to get a normal life you need to have a rich healthy life for your and family better future. This application is made to help everyone of all age group to manage their health in day to day busy life. So they can build a strong and healthy society and helps the needed one like the old people of our society.

VI. RESULT

As the application is completed it is going to help the hospitality sector as well as the individuals who live alone who don't take care of their heaths or the elderly class of the society to maintain their health repots and Help doctors to understand the patient condition in better way and can get emergency help when it is required.

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