HEALTH++
(Dr.Andy)

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ABSTRACT

Now a day's peoples are more health conscious. Android phones are very popular today. The population also rapidly increased now a days. Also lot of peoples is using smart phone [1]. So, people require a virtual Doctor available with them 24 hours. Hence we are creating a Android app i.e."Dr. Andy" that will create report about Health indication, as now a day's all peoples suffer a lot of health problem even simple diseases in today world can be dangerous, so our app will try to provide a virtual doctor that will be useful and beneficial to all people. This app will be offline. By consulting experienced doctors and discussion with fellow patients about genuine problem for health. Our project tried to mitigate and understand the day to day life problem regarding to health.

KEYWORDS : Android phones , health problem , health, Fitness, Ayurvedic.

INTRODUCTION :

• Now a day's all human being suffer from a health problem.
• We are creating a Android application i.e."Dr.Andy" for health conscious people.
• Doctor are not available 24 hours. So we are creating a Android application that will give you a tips about health, Fitness, Ayurvedic etc.
• By using this application we reduce the cost and medical error[3].
• This application is very useful for a patients.
• At the time of registration you should enter weight, height and age. When you login through email id and password it will display the health on health bar by using BMI(Body Mass Index) calculation.
• When you enter your symptoms then it find out what type of disease is and give medicine, Ayurvedic solutions for that diseases.

1.Android: Google acqu3ired Android Inc. on August 17, 2005, making it a wholly owned subsidiary of Google. Key employees of Android Inc., including White ,Miner and   Rubin stayed at the company after the acquisition. Rubin develop a mobile device platform that powered by linux kernel.

2.Interface: Android user interface is basically based on the direct manipulation i.e. by touch input that correspond to real world action, like swiping, tapping. For the user input response is to design for immediate and it also provides a fluid touch interface. Internal hardware such as gyroscope, accelerometer and proximity sensor those are used by some other applications for responding to user action.

3.HEALTH++: Now a day's people are suffering from more health problems. For health conscious So, People require a virtual Doctor available with them. Hence we are creating application it contains some modules like disease detector, meditation, fitness, ayurveda, beauty and cosmetics according to male and female. Our Android app that will create reports about Health indications. The confidential information of users data is recorded and give the report to the users account[4]. Even simple diseases in today's world can be dangerous, so our app will try to provide a virtual doctor that will be useful and beneficial to all people. This app will be OFFLINE no internet connection is required. According to BMI(Body Mass Index) formula it calculates health on health bar when entering a weight, Height, and age. By using proximatory sensor it will count the push-ups.

II.PROBLEM DEFINITION
1. Health awareness among people is negligible.
2. Personal Doctors is not available 24 hours.
3. The home health care systems are cost effective [2].

III.METHODOLOGY
• There are many technologies like PHP, .net, c# etc.
• We are using Android technology for developing this App.
• Because Android is open source & it is easy to understand and use as compared to all other.
• FRONT END Android provides a rich application framework that allows you to build innovative apps and games for mobile device. As a front end we have used the Eclipse version 2.2.21 in which we have done the coding in JAVA as well as the GUI is also provided by the API (Application Programming Interface).The latest API level is 19 which is for kitkat (4.4) which is about to release now. For our app we have set the lowest API (7) and maximum API(18), so the application will work on the devices having android versions from 2.2 to 4.3 .
• BACK END we are using a Android Studio .It's easy to add a cloud backend to your application. A backend is used for allows you to implement functionality such as backing up user data to the Cloud and it also sends a push notification by google.
• In this we have created windows containing:
        1. Buttons.
        2. Textbox.
Registration page is for new user for creating their accounts. In that you can enter your detailed information i.e. name, gender, age, height, weight etc.
Login page is necessary for login to existing user.
BMI cal calculation is used to detect the health based on the weight, height, and age. According to BMI formula it will show you the health i.e. normal, overweight, surve thinness etc.

Procedure

1) Registration:

when we install the app then first registration is compulsary for creating their own account. In that we fill the detailed information like name, age, gender, weight, height etc.

2)Login:

After registration if user wants to login then enter username and password then login.

3)Home page:

After successfully login then it will display your health on health bar according to height, weight, and age.

4) menus:

In home page there are some menus i.e. disease detector, meditation, fitness, Ayurveda, Beauty and cosmetics etc.

5)disease detector:

In this you select the symptoms according to that our appp will detect that which type of disease is and give medicines, ayurvedic solutions.

6)meditation:

When you click on meditation menu it will display all the recently used meditation list .When you click one of them it will display all the information like its description, Advantage, steps.

7)Beauty and cosmetics:

According to male and female it will give the information about beauty and that related tips.

8)setting:

There is a doctor instructor when you click on that it get "Turn on or off instructor. That instruct you daily"
You can also call to Ambulance at the time of critical condition"108"no.
change your username and password with the help of privacy.

software requirement:
a) Download the Android SDK.
b) Install the ADT plugin for Eclipse (if you'll use the Eclipse IDE).
c) Download the latest SDK tools and platforms using the SDK Manager.
d) Android 2.3 onwards.
e)Adobe Photoshop for graphics designing.
f)Virtual Device.

hardware requirements:
a) Android OS, v2.3.5 (Gingerbread) and above.
b) 2 GB of RAM.
c) 256MB of free space on internal storage.

d) CPU -830 MHz's.
e) Smart Phones,
 Computer System.

Fig1:Registration

Fig 2:Home page

Fig 3:menu-diseases detector

Fig 4:After detect

Fig 5:menu-meditation

Fig 6:menu-fitness

Fig 7: push-ups

Fig 8:menu-ayurveda

Fig 9:menu-beauty and cosmetic(female)

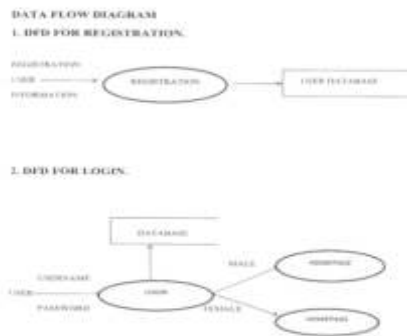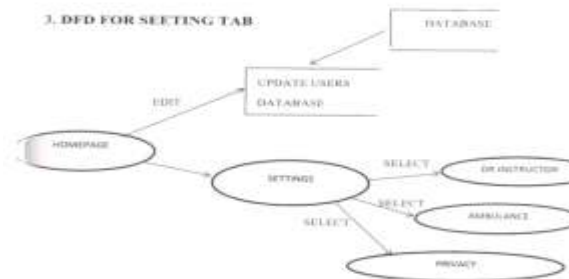Fig 10:menu-beauty and cosmetic(male)

Fig 11:setting

Fig.12 DFD for Registration

IV.RESULT

At the time of filling registration form user gives the weight, height , age. Basis on this the BMI calculate the health indication i.e. Normal, Overweight, surve thiness etc. Our app will give the medicine list, Yoga , Ayurvedic Solution for particular disease.

Fig. Home page

V. CONCLUSION

As a conclusion from our App we have got that it is we can create any of creative open source app which will make a bright future and if we consider about our App then we can say that it is very essential to make DLL linking for making any of the automated application functionality. Our app works exactly as it is expected to work and it is designed to work.

There is a million dollar saying by the Walt Disney that "IF WE CAN DREAM IT WE CAN DO IT" so this makes us more inspired to create an innovative app that will make disaster in good ways.

Another saying is there by Andy Rubin that "NEXT GENERATION SMARTPHONES WILL BE FULLY AWARE PF USERS AND THERE ALL PRIVATE AND CREDENTIAL DATA", so we should also be aware like if we are providing our credential to our smart phones

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