Phone Assistant an Android Application

Alok Kumar Singh*, Harshit Kumar**, Akshit Tyagi***
*,**,***(Department of Computer Science , RKGIT Ghaziabad)
Under Guidance of Ms Sarita Singh
(Department of Computer Science,RKGIT Ghaziabad

ABSTRACT

This paper presents a review of research on application called 'Phone Assistant'. Its the time of mobile technology and it has opened the window to the mobile app.Modern handheld devices like smartphone and electronic gadgets have became increasingly powerful in recent years. The more use of mobile phones are increasing but its awfully a common phenomenon to loose your smartphone somewhere and situation becomes worse when its on silent mode. Through this app one can easily access data from secondary phone if the primary phone is misplaced.Our app solves
this problem by providing a singular solution via text message. You will be able to also locate your phone via this app. This application is useful to any or all the folks that use a smartphone for his or her day to day activities. The module which we have used is text message which uses GSM. Using SMS technology which is widely used, highly reliable, widely used   increases the pliability   and straightforward data transferring. To acess data through the internet or without internet we need to set a passcode and double verification is also needed for the purpose of gaining high security.

Keywords- Mobile Application, Short Message Servce(SMS), Text Message,data access.

1. Introduction
Android is a comprehensive platform, which means it is a whole software stack for a mobile device. The idea of the project is to create an android application that can be deployed on mobile and can be used to change   settings of notification by working in background. Day by day, the technology is becoming an increasingly important part of our existence.
Using new technology, everything seems easier. Thus, losing one's phone are bizarre situation which too on silent. So our app solves this problem.
Remote control system is highly used and almost every domain of economy. With the necessities and rapid development of latest network techniques for remote access technology is increasing[3] .
We have seen a linear increase in development of SMS with the increase in mobile network. The most popular communication technologies that are used today are SMS, MMS,4G and GPRS. Among these, SMS is widely used. SMS is used for the purpose of retrieval of data & inquiry. On the basis of a query SMS, the passcode will be searched on the mobile phone's database and result will be returned to the secondary phone using SMS. In this paper will discuss a solution to get mobile phone data recovery from secondary mobile devices from a remote location. The system is based on Android operating system. The main reason to choose android platform is its open Source,free and easy to use[1] .

2. Review Survey
In our lives data has become very crucial or we can say important part of our life, it's been also said that data is the new oil so it's our responsibility to handle the data with great sense of responsibility , even its personal data ,or commercial. Since to transfer the data a good internet connection is required and to store that we need a huge storage ,so it will be better for us to optimize the data storage and data transfer , this can be handled by remote data access up to some extent. And that too with GSM module in our hand we can optimize it for safe and better transfer of data , which will also not spread virus like other technologies like Wi-Fi and Bluetooth[1].
So this approach could   be able to reduce time, utilize web accessing, reduce space complexity and store data on web.

3. Solution Inference from review survey
We propose a personalized data accessing and transferring technique that supports customized
application through "online as well as offline mode", where user can remotely access data or

manipulate system settings from secondary device to primary device just by sending an SMS or by using the online app. Using this application, folks can make sure that they are safe from any data threat because data can only be transferable through SMS or Online mode[2].

3.1 Existing System

There is a new research area for human that he want to control all the gadgets remotely , through a click of a button . Nowadays, we have technologies like remote which might control devices ,but it contains a certain range[3].

We have the wireless remote controller through which we can directly access the host appliance. Similarly, in mobile technology also we have Wi-Fi, Bluetooth etc. But these are sure range only. We have the technology to transfer data using internet but the GSM module brought innovation into picture through which we try to transfer data with more flexibility and with high security.

4. Basic flow of Phone Assistant

This application is straightforward and really easy to use and works totally on SMS service. While searching for a name, the search may or may not return any contact name or may return many contact names and numbers which won't fit into one message. The application only allows you to go looking for the contact numbers stored on your mobile phone remotely with the assistance of an easy Text message[2].
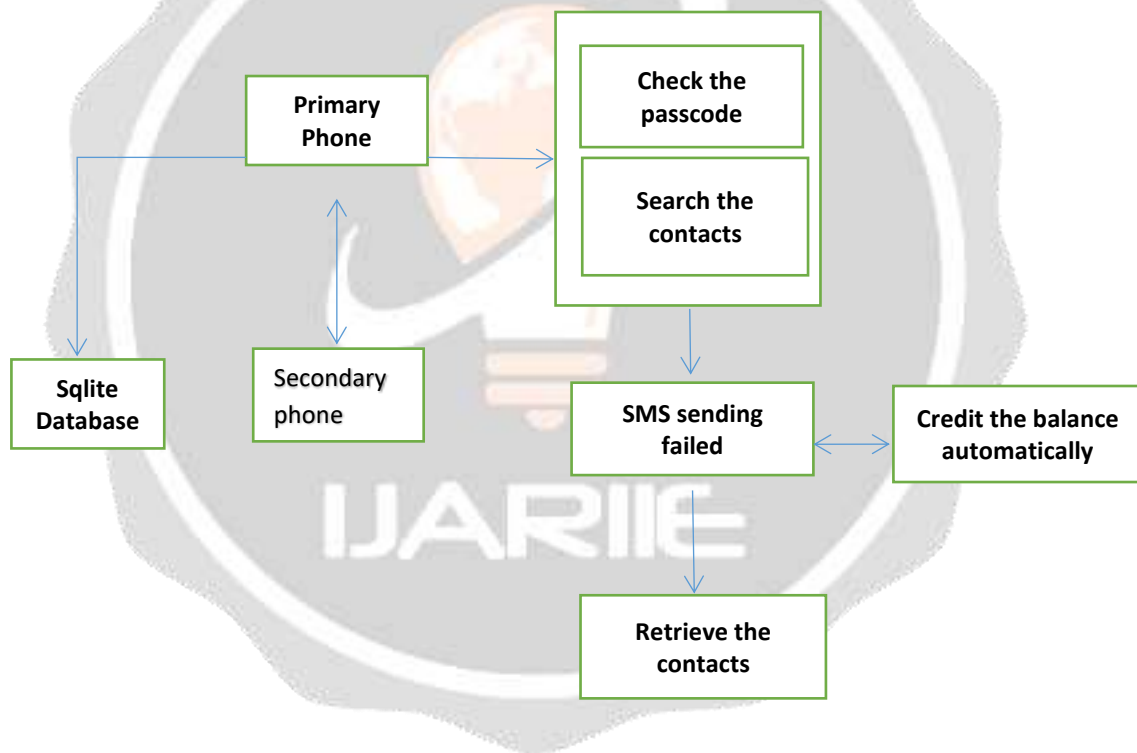

Fig.1 Basic Architecture of Phone Assistant

5. Conclusion

In this paper we have discussed basic need of phone assistant , its idea of creating and the basic work flow of phone assistant.Work of phone assistant is not only search and return contacts searched by the user but also change secondary phone's audio profile and also return its GPS location[4]. In current time mobile technology is at boon and accessing electronic gadgets through phone is a region of innovation as it is mentioned within the survey , a part of the paper.

6. References

[1]. Device control using SMS is available on "http://tamminainfotech.com/training/downloads/gsm/SMSBASEDDEVICECONTROLUSINGGSM MODEM.pdf".

[2]. Broadcast receiver for android availabel at "https://data-flair.training/blogs/android-broadcast-receiver/".

[3]. Remote controlling of technical systems using mobile devices ,Conference: Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, 2009. IDAACS 2009. IEEE International Workshop

[4].Thesis based on GPS based location finder by Muhhamad Faisal Tahir, Blekinge institute of technology , 2015