REMOTE ACCESS OF INDEPENDENT MOBILE RECOVERY INFORMATION BETWEEN GROUPS OF MOBILES

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ABSTRACT

Remote android Contacts and message access is an application built on the android platform, which helps you to retrieve the contacts or the message stored on your remote android mobile. Assume that you are using two mobile. And most of all your contacts and messages are in one device which you usually keep at home, or you forget to get it with you while going outside. At some point you may require the contact of a particular person which you are not having in your current mobile, No problem, just send one sms with predefined format to your device which is having the contacts stored, and you will receive back an sms with contact of that person without asking anybody. The contacts stored in your android phone or the messages stored in the inbox of your android device, can be easily retrieved just by sending a sms in the particular format from a normal basic mobile device to an android device. The application also provides the security from the unauthorized access of an application.

OBJECTIVE

Get contact information from android mobile which was far away from you by using message access in an application.

INTRODUCTION

Cell phone is the key component of one's life. A person without a cell phone is considered to be disconnected socially. The necessity of keeping one's phone with him has become most important but at time due to human error we tend to forget to carry out phones with us. What does a person do when he doesn't have his cell phone with him and needs to access a contact or message at the most important time/ urgent time? The current systems would say us to create an account on an online website and sync your contacts and messages from time to time to that website so that you can access your contacts from anywhere provided you have a net connection. EX: SMS backup for Gmail. The amount of effort required in this system is more compared to the system we are proposing, as any mobile user would know that synching his contacts to a cloud/website that provides backup service would increase consumption of data and would use the data provider to upload and download the contents to the phone. The key component in the existing system is that one needs a internet connection Complaint registrations for government bodies i.e.: BWSSB, KPTCL, etc are offline. The seriousness of the problem is often not known by offline means. Even reporting some of the unsocial activities to police department have ended up in imagination based the eye witness to draw a sketch of the accused. A mechanism to accept complaints from citizens 24×7 would be the expectation from both the citizens and the government bodies. With number of people using mobile phones is increasing, it has become a need for users to provide on their mobiles, all facilities one is been utilizing on the internet. In this project the user can take a snap shot of the particular activity i.e.: water leakage, power cable hanging around, tree fall, unsocial activity etc.The application will augment the current position where the picture is taken. The above augmented picture is sent to the concerned authority. The priority of the complaint would be raised if the

numbers of them are considerably more in an area. The map of Bangalore is drawn; here it is colored with red, yellow or green flags respectively ward wise, depending upon the no. of complaints received in an area. Statistical information is maintained such as the no. of complaints received ward wise, no. of them solved, a graph to provide The pictures are also displayed to the general public on a discussion forum, where they can post their comments.

LITERATURE SURVEY

1. A Mobile Application for Smart House Remote Control System

Author Name: Amir Rajabzadeh, Ali Reza Manashty

At the start of the second decade of 21th century, the time has come to make the Smart Houses a reality for regular use. . This application has the capability of connecting to the main server using GPRS mobile internet and SMS. This system is expected to be an important step towards a unified system structure that can be used efficiently in near future regular houses. The Smart House system usually consists of several devices scattered around the house that are linked together using a wired or wireless network. As mentioned before, a device manager, which is part of the server computer, controls all the device controllers and provides methods for retrieving their status and sending commands to them. . We refer any of these devices, as objects. So the application must be object-independent while the device manager is closely in contact with all these objects through their device drivers and appropriate connections (e.g., cable or wireless ethernet). Using the object-independent interface, we can extend the controlling methods to any further possible ways such as web application, mobile application and telephone line; easily without the need of changing the application codes.

2. Remote Access of Android Smart Phone

Author Name: Onkar Mule, Nihal Shaikh

Now-a-days we are so dependent on our mobile phones, that we need mobile phones in our daily routine. Making mobile phones as a helping hand, we need to be in touch with it continuously.

Sometimes mobile phones may no be in reach of the users; at that time we think that it would be good to access our mobile phones remotely. There are some applications that made possible to access Personal Computer remotely via mobile phones. In this paper, we will access android smart phones remotely via Personal Computers. We are making use of a server and client end. The developed application will create a connection between a Personal Computer (server) and android smart phone (client). This application will give a solution to access, control and monitor android smart phone remotely. User will be able to retrieve data like all-call logs, SMS & operator information. Hence, this application can be used as monitoring and controlling system for android smart phones. Client/server architecture is a computing model which consistof multiple client computer or process and single computer or process. Like traditional client-server application, the android client application is installed on smart phone which is fully depends on the server application for service such as a making calls/SMS, retrieving call logs/SMS and providing operator information. Smartphone which having a sturdy android operating system install on it located at client side.

Server side Application In a client-server application, server is the powerful computers or the process which are responsible for

managing resource. Server is also responsible forprocessing a request which are coming from the client and also for providing a outcome to the client which is the result of that request. Server side application involves a "*java executable*"file, which is situated on computing device like desktop computer or laptops. Server side is responsible for receiving the request from client side and for providing the service to the user by processing the request from client side, similar like traditional client-server architecture. Server side application is not visible to the user but, it provides the requested service to the user through the android application. For creating the server as a "*.jar*" file, we need jdk, Eclipse and other external java libraries. Server is created as a "*.jar*" file because jar file in java is kind of zip file which hold all contents of a java application

including class file, resource such as a image sound file and optional manifest file. "*jar*" stands for Java Archive and provide a platform for delivering independent java application.

3. iMobile: Remote Access for Android Phones

Author Name: Prof. Jayvant H. Devare, Sonali D.Kotkar

Now a days we are dependent on our mobile phones, if we forget the phone at home it seems we have lost a limb. That time we think that it would be good to access our mobile remotely, like the web browser. The application like iMobile, instead of accessing the computer remotely, we will access the mobile phones. An application creates a TCP connection with web application and the mobile phone and retrieves all the data like missed calls, contacts and message. Sometimes Cell Phone companies block "Incoming" TCP connection towards the phone over network to overcome this problem, through the application SMS could be sends with the application IP addresses and then it would be the mobile phone establishing the TCP connection. Then, it could easily and securely send the data using the GSM or 3G network. The AES algorithm used for the security purpose. To access the data remotely with the help of Android Mobile application into the web applicationt. Remotely controlling the mobile phone, the lost phones information can be handled remotely. We can access the information and also we can track the mobile phone. This is useful for protecting the mobile phone and the information inside the phone. The remote terminal allows user to access the information and to send the remote SMS through web application and also to receive the SMS on web application from his target mobile. The interactive system facilitates userto have a backup of his call logs, SMS, and contacts on server. Ininstallation of the application on phone the IP address of webapp system is entered for connection tothe server. The server gives the access through the web to access the phones' data remotely via web. While accessing the data on web, the data security is provided by encryption. For encryption the AES algorithm is used. On web we get the call logs i.e. missed-received-dialled

calls, SMS logs and the data present on mobile phone and also allows sending the remote message through the web The system architecture of the system.. The mobile phone data like call logs, messages, contacts andfiles stored in the phone can be accessed via this web application This paper is basically an idea to operate through an android mobile and access the data into system only login in functionality. The project consists of accessing the data with the help of website or mobile though android SDK.Mobile data backup is the most up-to-date backup solution for the moment being with the Mobile backup service you won't have to worry about your data security, buy hardware and install software to backup your data. Moreover, the software backup saves. Design an interactive mobile system that can track a remotely Android mobile and can transfer the data between the whenever you doing the login in android mobile you can transfer the data in website or systems with the an add-on feature.

4. Research of Multimedia Applications based on Android Platform

Author Name: Li Ma, Lei Gu1, Jin Wang

Since Google launched the Android open source mobile platform, Android operating system has occupied half of the mobile phone industry. Meanwhile, the Android applications also have a lot of demand. But now some Android applications on the market contain a lot of advertising, these redundant information affecting the customer experience. In order to enhance the user experience, in this paper, will base on Eclipse and Android SDK developer tools which Google launched, use Java to development a simple and practical audio player which paying attention to the user experience. This audio player will uses Content Resolver and Curor to obtain music files, will uses the Service components calls the Media Player class for the music playing in the background. This audio player support the user wonderful music and as well as not to bring other negative effects, at the same time users can normally use. In recent years, the emergence of smart phones has changed the definition of mobile phones. Cellphone is no longer just a communication tool, but also inherit most of the

functionality of the computer, such as surfing the Internet, watching videos and listening to music, etc. At the same time, various applications added unlimited fun for people's lives. It is certain that the future of the network will be the mobile terminal. Android is a Linux-based free and open source operating system, mainly used in mobile devices, such as smart phones and tablet PCs, developed by Google and the Open Handset Alliance. Android operating system originally developed by Andy Rubin, main support mobile phones. August 2005 was acquired by Google. November 2007, Google combined 84 hardware manufacturers, software developersand telecom operators formed the Open Handset Alliance, jointly researched and developed Android system. After this, Google released the Android source code, Android operating system quickly occupied the smart phone market. The applications on the market today are mostly commercial applications, and contain a large number of built-in advertising and redundant information, thus affecting the user experience. After studying some previous Android applications and access to large amounts of materials, we utilize the Java language, the Eclipse platform, Android ADT and the Android SDK to develop the audio player. These systems have a nice interface and smooth operation. These Apps won't steal anypersonal information, but can exclude useless information and bring a wonderful user experience Audio file scanner module is responsible for scanning all the audio files on the SD card. The Song Manager in this module is a class, this class has a static method to access to the SD card. The static method acquires the SD card audio resources by using Cursor class method provided by Android system, and will turns the received audio resources into a List class instance objects. The members of List are the JavaBean – Music used in the app. The List Array will eventually be returned to the other modules that they calling it. The test involves two environments including hardware and software. Test hardwar environment is Lenovo Y460 laptop and millet M1 phone; software environment I windows and phone system environment is Android 4.0.3 By testing each function on mobile phone and the computer simulator, the results showed that audio player run well and no advertising.

5. Issues in Android on Mobile Platform and Their Resolution

Author Name: Monika A. Ganpate

Today, as the developing of hardware of mobile is getting better, the performance index is much higher than the actual requirements of the software configuration. Phone's features more depend on software. As the Android operating system is getting more popular, the application based on Android SDK attracts much more attention. But now, some of the Android application interface is very difficult to use, pop-up ads is overmuch and the function is too single, these cause some inconvenience to the users. Media Player forms an integral part of today's Smartphone. It is generally used by users to view media files of various formats. Many users like to watch video by a mobile phone, but the media player has many limitations. With a rapid development of communication and network, multimedia based technology is adopted in media player. Android is an open-source and has powerful APIs which has attracted large number of developers. The papers discuss about the study of the media player with the help of the existing media players which are available in the Android Market and proposed system for the media player which will provide the uninterrupted enjoyment for the user This article presents the application by eliminating the redundancy. The interfaces of these Android apps are pretty and the operation is smooth. Smartphone devices such as iPhone, Blackberry, and those that support the Android operating system are progressively making an impact on society. Android is a mobile platform developed by OHA "Open Handset Software Alliance". Its main player is Google. OHA is a group of organizations collaborating to build a better mobile phone. It is not just an operating system android is a complete step from operating system to middleware application. Android is a term that means different things to different people. In starting days it was designed only for touch screen inputs but later it's being utilized in game console, digital cameras, regular computers

(like HP Slate 21) and other electronics items as well. Security is essential with such an open development environment. Therefore, a tight security model is built into Android. As the number one mobile operating system in the world, Android devices are used by more people than any other type of mobile device. This gives developers a great opportunity to develop apps that can potentially be used by hundreds of millions of people. Android apps are typically written in a programming language called Java. Java is immensely popular, and as an object-oriented language, it's easy to pick up if you've worked with other object-oriented languages like C#, Objective-C, or Ruby. Android is a powerful Operating System supporting a large number of applications in Smart Phones. These applications make life more comfortable and advanced for the users. Phone is no longer just a communication tool, but also an essential part of the people's communication and daily life. Media Player is the easier way, if you just want to pay an audio file in the background, somewhere in an application. Media player class can be used to control playback of audio/video files and streams. With the continuous development in Science and Technology, mobile is no longer just a device used for communication but a multimedia platform that provides the ability to play the media. Playing the audio and video is just a basic thing, due the limitations it has, there are limited formats etc.

PROPOSED SYSTEM

In our proposed system if you have forgotten your Cell Phone at home and you need to call a person urgently whose contact number is not available at that instant. In that case you have to call home and ask someone to search for that contact and then resend it back to you. It takes your lot of time. Instead of doing this tedious process one can send an SMS from someone's cell to his/her own mobile in a predefined syntax.

For Getting Contacts:
====================
get contacts,<pswd>,<name>
Example:
getcontacts,7777,aarthi

The contact name which you wish to get should write the way it is saved in his/her contact list. If one want multiple contacts, then send the initial of the contact name along with the syntax and the application will return all the contacts starting from that initial. Also get particular date's inbox SMS can be retrieved using this application.

For Getting Message:
====================
getsms,<pswd>,<date(dd-mm-yyyy)>
Example:
getsms,7777,21-04-2014

PROBLEM DEFINITION

The new research areas for the need of the man that controlled the electrical devices remotely, anything from the home such as an air conditioner, security system, set top box, light, and so on. The case of remote control capability and the possibility of achieving it at a reasonably low cost have motivated the need to research into it not only for industrial application but also for domestic use or home use. Home wireless security systems are becoming increasingly popular and it is being a necessary nowadays. In our proposed system is the first step for remote access without using any hardware device or manual work.

SYSTEM REQUIREMENTS

HARDWARE REQUIREMENTS

➢ Mobile which has below features
➢ Android 1.5 or higher

SOFTWARE REQUIREMENTS

➢ Android Google API 1.5 or higher
➢ Android Development Tool plug-in
➢ Eclipse 3.4 or higher
➢ Sun JDK 5 or higher

MODULE DESCRIPTION

Modules for remote access control

Module List

1. Authentication
2. SMS Manager
3. Contact Manager Module
4. Retrieve Result
5. Reply
6. Battery alert system
**7.** History

AUTHENTICATION

Authentication is the process of verifying the credentials such as username and password of the user and then allows that user to access an application or server. The proper identification of a person, device, or group is vital for safeguarding and maintaining the confidentiality, integrity, and availability of the application. Access controls can be created for authenticated users and information.
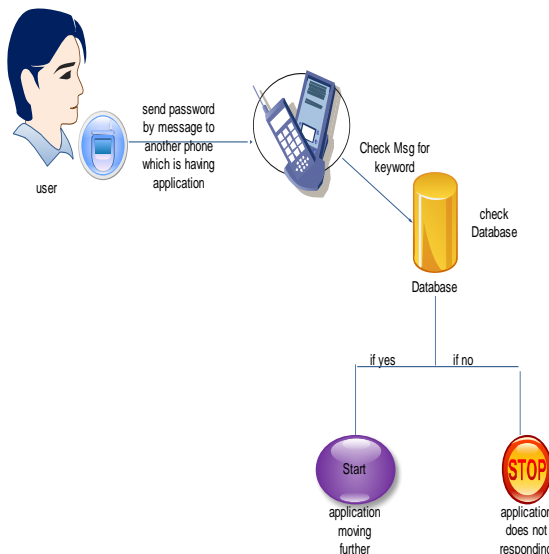
SMS MANAGER MODULE

Text messaging, or texting, refers to the exchange of brief written messages between fixed-line phone or mobile phone and fixed or portable devices over a network. SMS/MMS Manager contains a powerful rule editor which can be used to automate message processing. This allows deploying common scenarios such as SMS voting polls, but also much more complex

schemes. Just send one sms with predefined format to your device which is having the contacts and message from your mobile, and you will receive back a sms with contact or message of that person without asking anybody using Broadcast.
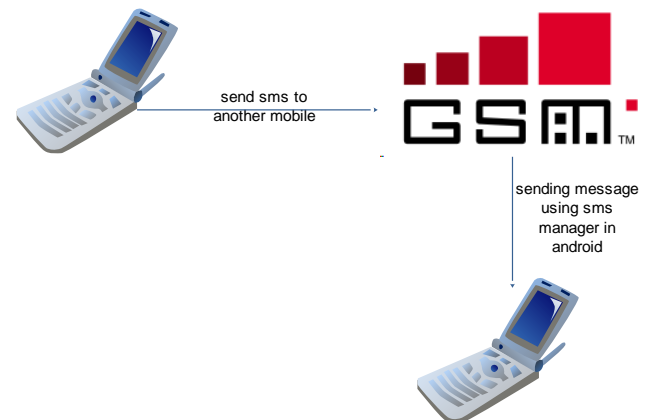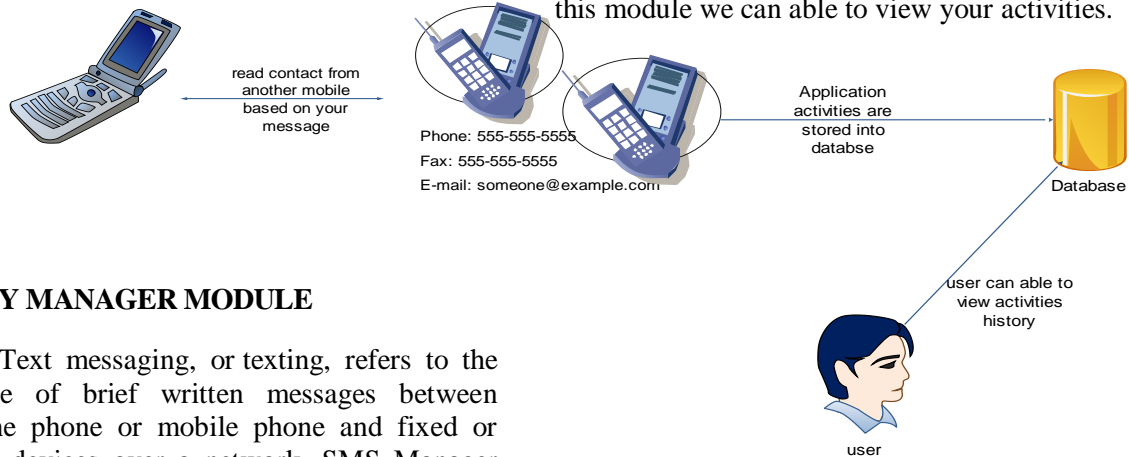

CONTACT MANAGER MODULE

This module explains how to read the contact from your mobile. When the message received from your mobile search the contact and gets the result whatever you want.


RETRIEVE RESULT

Owning an Android phone provides you the best opportunity to have with you a device that you could use to access your files and data that are stored on your Android Mobile. Through a remote access using your Android phone, retrieving files from your mobile and retrieve them easy as using your mobile phone. All you need are mobile applications for Android that will give you the power to remotely access your phone files.

Having remote access software installed on your Android phone will give you the capability to connect and control your application Using Remote we can able to access your phone. It's very reliable application providing fast and secure remote access to your Smartphone. Using this technique we can able to retrieve information from your Smartphone.

REPLAY MANAGER MODULE

Text messaging, or texting, refers to the exchange of brief written messages between fixed-line phone or mobile phone and fixed or portable devices over a network. SMS Manager contains a powerful rule editor which can be used to automate message processing. This allows deploying common scenarios such as SMS voting polls, but also much more complex schemes. Once get the result reply back to sender with result.
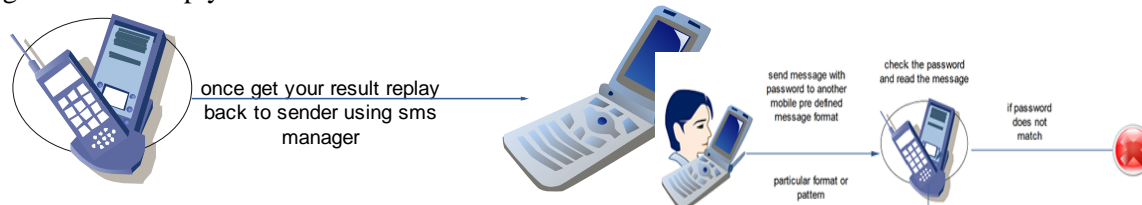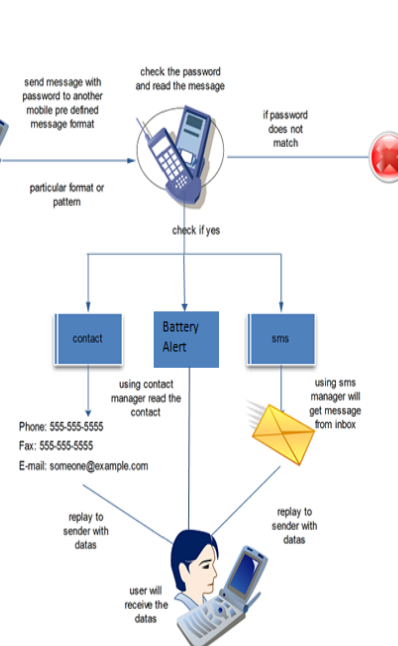

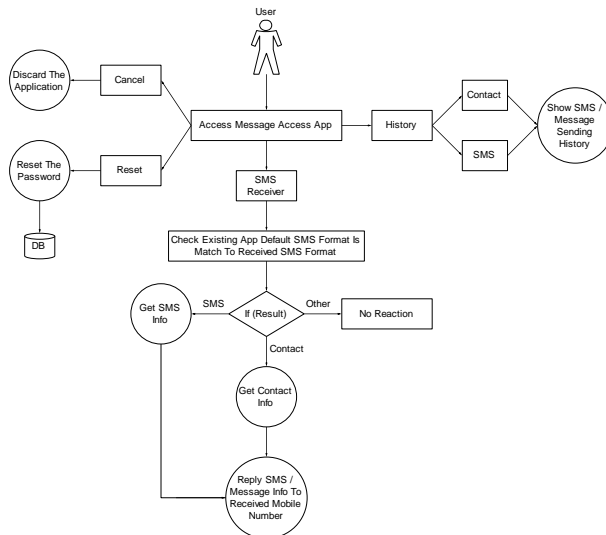## CALL FORWARDING AND BATTERY ALERT SYSTEM

Mobile phones and other mobile devices have one resource in common that is essential to all of them: battery life. Once the battery is empty, the device is useless until it is recharged. An ideal mobile application will send alert to the Remote mobile. Then the call forwarding technique is one if the novel technique which is automatically sets forwarding to the Remote mobile .Misssed call

numbers are automatically forward to those who sent the message from the predefined numbers.

HISTORY

The Calendar Contract Calendars table contains details for individual calendars. The following Calendars columns are writable by both an application and a synchronous adapter. Using this module we can able to view your activities.

SYSETM DESIGN

SYSTEM ARCHITECTURE

DATAFLOW DIAGRAMS

CONCLUSION

The SMS and Contact Retriever application that we are implementing is for simplifying the user's task. To use the app the user should have an android phone. The user can get contacts and receive them in the form of messages, no matter where he is or whichever phone he is using. Functionality is provided to encode any text information. Using various packages we are accessing the content in the Smartphone that we want. This provides a feasible and time efficient solution for users to access the contacts and sms on the go. When it's time to upgrade the devices, this initial and relatively small extra effort will probably pay off significantly. You can use the

same design with other device-specific implementations, such as digital cameras and positioning equipment.

APPENDIX A

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