Information in mobile can be send conditionally using database in the form of SMS.

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Abstract :- The short message service (SMS) is one of the highly used and well-tried mobile services with global availability within all GSM networks. This paper represents how the mobile message is sent at particular date and time to the Short Message Service Centre (SMSC) in advance and how the sending message of the mobile will be taken as a Input parameter and how it produces the desired output manage by executing it with the database into the mobile by programming storing of the information stored into files. The input parameter will go inside to satisfy the different conditions. if the condition satisfy it will give desired output and that output will be send to receiver message mobile number. And on client side we can generate the conditions and the desired solution. Desired input data of the record which safety the condition and then it sends to the mobile message automatically and stores all the information into the databases for a particular message. Its input will be stored into a file. Our mobile scripting language supports DSN –less connectivity. It takes the current path of the input file from the storage card or phone memory from where it will stores the information. Controlling of SMS can be done by putting restrictions for particular date and time of mobile message; due to SMS operator for sending mobile message. Sending its message as input parameter and receiving of a message as output parameter by satisfying condition from the database on mobile phone by mobile scripting language. Our software supports scripting language and database also. Write the message into the body and using DSN-LESS database in the form of record as per the requirements and condition of the columns. In the background the script will take care of database connection.

Keywords:- SMS, Text Messaging, Graphical user interface, Mobile scripting language, client-server, Mobile Application, Database, Conditional statements.

I. INTRODUCTION

Computers with the power of the internet have thrived in aiding communication among people. The telephone system, which is the main communication system that was invented several years ago, had undergone a great improvement, so much that today we have fixed wireless phones, mobile phones and the likes. With the rapid development of mobile phones come several services like the Short Messaging Service (SMS), Multimedia Messaging Service (MMS) and others, which are readily available and add to the usefulness of mobile phones. SMS in particular is widely used in communication, and more recently has been leveraged to provide several services like airline ticketing, banking services, commercial services like share and sell, where subscribers can easily share

and/or sell airtime, and several others. SMS is a mobile technology that allows for sending and receiving text or even binary messages to and from a mobile phone. SMS software used to send group of messages to all GSM mobile phone nationally or internationally. Application helps for product promotion, business marketing, or for sending job alerts recruitment selection. SMS (Short Message Service) is the transmission of short text messages to and from a mobile phone, or any other device capable of generating the SMS at particular date and time. SMS uses the signaling channel (not dedicated), so it can be sent/received simultaneously with the voice/data/fax service over a network.

II. OBJECTIVES

In today's competitive world, differentiation is a significant factor in the success of the service provider. Once the basic services, such as voice telephony, are deployed, SMS provides a powerful vehicle for service differentiation. If the market allows for it, SMS can also represent an additional source of revenue for the service provider. The benefits of SMS to subscribers center around convenience, flexibility, and seamless integration of messaging services and data access. From this perspective, the primary benefit is the ability to use the handset as an extension of the computer. SMS also eliminates the need for separate devices for messaging because services can be integrated into a single wireless device the mobile terminal. These benefits normally depend on the applications that the service provider offers. At a minimum, SMS benefits include the major advantage of SMS is its cost effectiveness, and availability, as most individuals own Phone. In different parts of the world, several service providers offer mobile services which include SMS. Most times the cost attached to sending a SMS is relatively small, and most providers do not charge when receiving SMS. Sometimes, service providers give users certain amount of free SMS per month, which allows customers send and receive unlimited number of SMS messages. It is possible to acquire a special dedicated line that uses a custom rate for messages sent to the number; it is also possible to have a number as toll free, making it free for users to send SMS to the number. All these contribute to what makes SMS a really cost effective means of disseminating information. Here we put the extra facility to send the message at particular date and time by sender in advance. In advance sender write the message and give the date and time for sending a message. If the date and time of message is match with the date and time of mobile system, the message will be send automatically.

III. DESIGN & EXPLAINATION

Example

We are using this SMS system with the database, and providing fig, with the option, where you need this system with Database/ Without Database, the user will select database system and the selection of the data file type, for e.g. 1. Text file.   2. Access file. Our system supports 2 files. Text file and Access file.
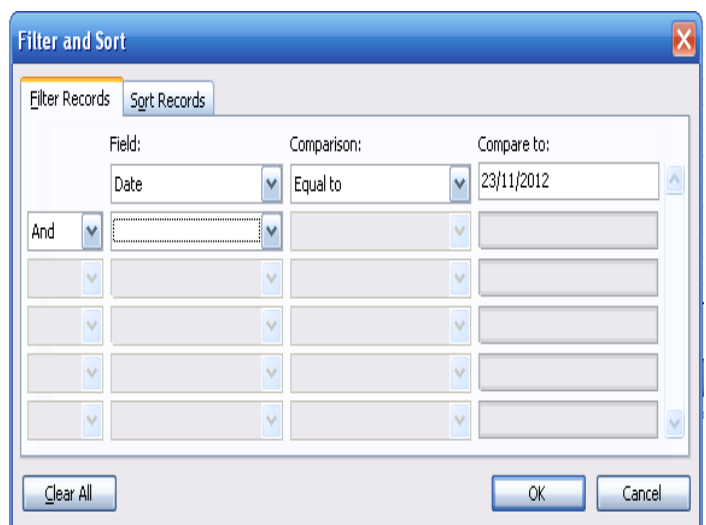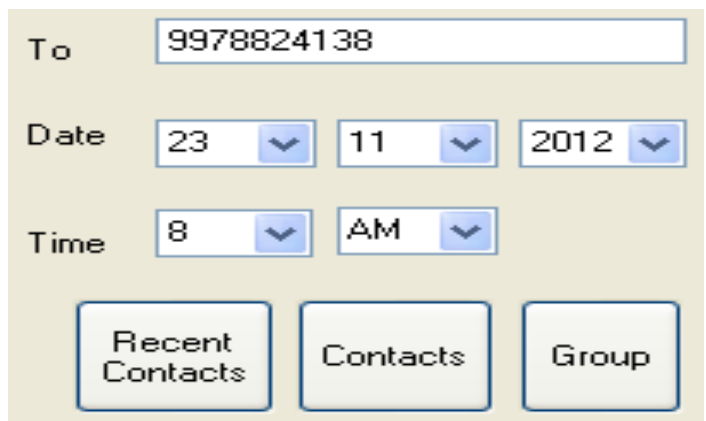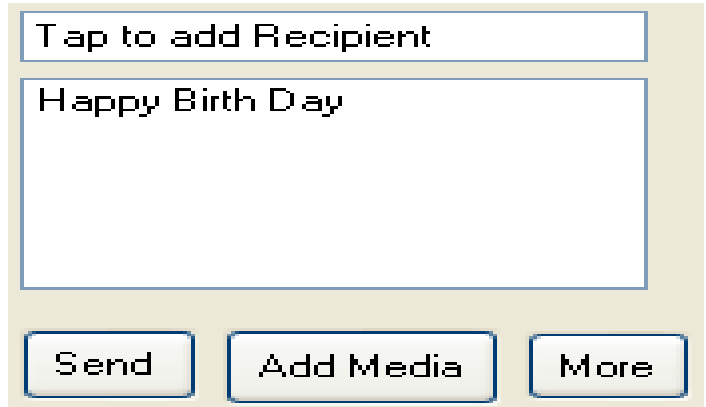
SMS can be send conditionally using database with the concept of field and comparison
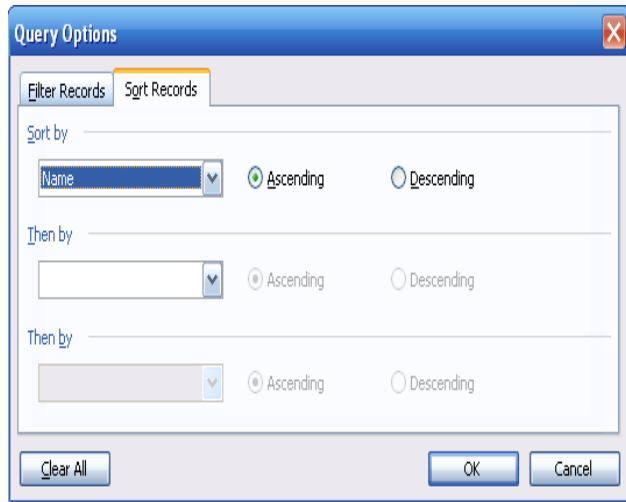
Fields can also be sorted for sending information.

Today, write the message "Happy BirthDay" and fill the date of 23-11-2012 and time 8 AM, the message will be send at 23-11-2012 on 8 AM. In conditional contacts, Filter options of SMS deliver quick views of relevant data without the need for complex queries or long delays in processing time. The filter and sort feature allows you to Find a record based on the criteria 'string' you enter, and allows you to jump to the next occurrence of that said find 'string' depending on the search you performed. Click the conditional contacts button and the filter and sort dialog box will be displayed which is used to send conditional SMS at particular date and time also. Filtering records means temporarily omitting information from your view that you do not require. This is pretty much the same as running a simple query and as common as it is, many people in many organizations actually have query's setup with this exact search request in mind – which is bad practice as a simple filter would be much easier to manipulate and far less time consuming to run. It is very good practice to use filters when you want to extract records for information gathering purposes or want to sort data into an order that you would like across multiple fields. Click the field that you want to filter. On the toolbar click the filter by selection button. The records that match the data you currently have the cursor in will be displayed. The filter indicator as a reminder that the filter is on and in use. To remove the filter click on the Clear All Button.

Database

<<Date of message send>>, <<system date>>, <<system time>>, <<message sending time>> and <<message>> is stored in the database file. System will check the Date of message sent and system's current Date. If the date of message sent and System date, both are match, system will check the message sent time and current time of system. Recall the data until sent time and current time both are match. When both times is match Message is send.

Database				
Date of Message send	System Date	System Time	Message Sending Time	Message
23-11-2012	20-11-2012	8:00 AM	8:00 AM	Waiting
23-11-2012	21-11-2012	8:00 AM	8:00 AM	Waiting
23-11-2012	22-11-2012	8:00 AM	8:00 AM	Waiting
23-11-2012	23-11-2012	1:00 AM	8:00 AM	Waiting
23-11-2012	23-11-2012	2:00 AM	8:00 AM	Waiting
23-11-2012	23-11-2012	3:00 AM	8:00 AM	Waiting
23-11-2012	23-11-2012	4:00 AM	8:00 AM	Waiting
23-11-2012	23-11-2012	5:00 AM	8:00 AM	Waiting
23-11-2012	23-11-2012	6:00 AM	8:00 AM	Waiting
23-11-2012	23-11-2012	7:00 AM	8:00 AM	Waiting
23-11-2012	23-11-2012	8:00 AM	8:00 AM	Send

Security of SMS
The existing SMS is limited to the transmission of secure plain text between different mobile phone subscribers. SMS does not have any built-in procedure to authenticate the text and offer security for the text transmitted as data, because most of the applications for mobile devices are designed and developed without taking security into consideration. This paper details an overview of the current SMS security aspects and concerns during the SMS transmission. It also chronologically presents the existing mechanisms used to protect the SMS Here, The message is waiting state until the system date and message sending date, System time and Message send time are match. So for security purpose, Encryption & Decryption is used at both side. Sender side Encryption of the message and receiver side Decryption of the message. Text encryption to encrypt text, messages, and instant messages. Text Decryption to decrypt text, messages, and instant messages. Sending sensitive messages and files over the network is dangerous as all Messages are transmitted in an unsecured form. If you need to send sensitive information over the network you should encrypt it first. With encryption and decryption Message you can safely send sensitive messages and files. Encryption, where some secret key is used to

encrypt and decrypt information or there is a simple transform between the two keys. A secret key can be a number, a word, or just a string of random letters. Secret key is applied to the information to change the content in a particular way. This might be as simple as shifting each letter by a number of places in the alphabet. Symmetric algorithms require that both the sender and the receiver know the secret key, so they can encrypt and decrypt all information.

SMS Delivery Report
Successful Delivery – On successful delivery SMSC sends delivery report to the originator if requested.
Failed Delivery – If SMS is not delivered to the recipient number SMSC send failure reason to the originator.
- Permanent Error : For example – Unknown Subscriber
- Temporary Error : For example – Absent Subscriber

SMSC Retry : In case of temporary errors the SMSC schedules a next delivery attempt, called SMSC retry.

IV. CONCLUSION

Entire system like payroll , inventory and result monitoring system can send their information in the form of sms using this advance service having conditionally concept of sending database. The output of the program can be stored into the .text file and access database , so mobile client can utilize directly the system database and add this sms functionality into the system. The number of mobile phone users is daily on the increase, and mobile phones complete our requirement today. The fact that fixed wireless phones, land line phones etc all have the capability to send and receive SMS also makes it a viable option. Finally, most parents, guardians or sponsors who are not computer literate and not familiar with the use of the internet, will be probably comfortable with sending and receiving SMS. This way, they can send messages in advance without remember any particular date and time because human being are not capable to remind this entire thing.

V. ACKNOWLEDGEMENT

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