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## Auto - Mode Conversion Using Responses

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**Abstract**— *In present days, usage of mobile phones has rapidly grown and the development in both the hardware and software in mobile devices is like a continues process, so the people are expecting some new technologies in mobiles. Even home appliances are controlled by the smart phones, this application helps the mobile to find fast when it is misplaced. The purpose of this paper is to develop Profile Change application that runs on Android platform and its goal is to find mobile, when it is in silent and forgotten where it is placed and even when it is in general mode in meetings. We will send a message to mobile, it will authenticate the message and it reacts in converting the silent mode to general mode and even from general to silent mode. If the message sent is matched mode conversion takes place. We will convert one profile mode to another; hence we are having two mode conversions so that there are two secret codes, one for silent mode to general mode conversion and another for general mode to silent conversion.*

**Keywords:** WAN, LAN, WLAN

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### I. INTRODUCTION

Android is a Mobile operating system (OS) based on the Linux kernel and currently developed by Google. As it is an open source operating system this supports development of software for mobile phones. Mobile computing is human computer interaction by which a computer is expected to be transported during normal usage. Mobile computing involves mobile communication, mobile hardware, and mobile software. Nowadays smart phone has become a mandatory thing for any person, sometimes we face problem in finding the mobile and even home appliances<sup>[5]</sup> are controlled by the smart phones, this application helps the mobile to find fast when it is misplaced. This application is useful, when it is in silent and forgotten where it is placed and even when it is in general mode in meeting.

Mobile security<sup>[6]</sup> or mobile phone security has become increasingly important in mobile computing. It is of particular concern as it relates to the security of personal information now stored on the smart phone. More and more users and businesses use smart phones as communication tools but also as a means of planning and organizing their work and private life. Within companies, these technologies are causing profound changes in the organization of information systems and therefore they have become the source of new risks. Indeed, smart phones collect and compile an increasing amount of sensitive information to which access must be controlled to protect the privacy of the user and the intellectual property of the company.

### II. RELATED WORK

#### A. Mobile Computing

Mobile Computing<sup>[1]</sup> is "taking a computer and all necessary files and software out into the field". Mobile computing is any type of computing which use Internet or intranet and respective communications links, as WAN, LAN, WLAN<sup>[4]</sup> etc. Mobile computers may form a wireless personal network or a piconet.

#### B. Android:

Android is popular with technology companies which require a ready-made, low-cost and customizable operating system for high-tech devices. Android's<sup>[2]</sup> open nature has encouraged a large community of developers and enthusiasts to use the open-source code as a foundation for community-driven projects, which add new features for advanced users or bring Android to devices which were officially released running other operating systems.

#### C. Mobile Applications:

We can see 'mobile app revolution!' in the world. We hear about the challenges of taking current resources and getting them up to speed on developing mobile. It's hard to get up to speed quickly on mobile, as new tools and frameworks are constantly emerging. Building apps faster is only one part of the mobile equation. The other key element is knowing how to build compelling ones.

We have gone through many android applications from all those applications mostly used applications are free smart home automation, screen recorder etc.. applications are controlled using a smartphones, These applications can not be worked without a smartphone. When it is in silent and misplaced, our application will help us converting the Smartphone from silent mode to general mode and we can use the other applications even.

### III. EXISTING SYSTEM

In the previous projects the message sent will be sent as a normal message to the other mobile .But there is no application developed to change the modes of the mobile automatically by receiving a predefined message. For mobile recovery we have applications, which use GPS <sup>[3]</sup> technology. If we want to change the mode we should change manually, this is the main disadvantage. So we have proposed a new system to overcome the problems in the existing system.

### IV. PROPOSED SYSTEM

In this project we will send a message to mobile, it will authenticate the message and it reacts in converting the modes. There may be a situation where we cannot convert manually when the mobile is misplaced then it can convert from general or vibrate to silent mode. When mobile is in general mode in meetings this application will helps to convert mode from general to silent with the help of client. If the message is not matched with the mobile code then it will be a normal message.



Fig 1: Mode conversion from general to silent by sending a message



Fig 2: Mode conversion from silent to general by sending a message

#### A. Architecture:

- This is the architecture design of the application.
- Here receiver will set the code and he has privilege to edit the code.
- Receiver can select clients for authentication.
- This application uses the database for storing the clients details like authentication number.
- The authorized client will send the secret code as message to receiver.
- When receiver receives the message from client then it will checks the message with the secret code that had saved.
- If the message match with code then it will convert the mode or it will treat it as a normal message.

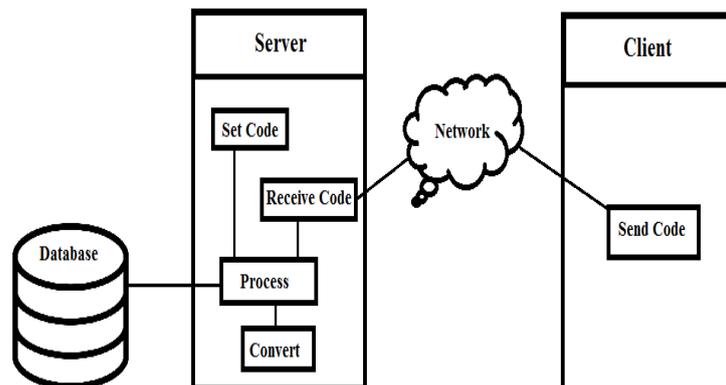


Fig 3: System Architecture

## B. Design

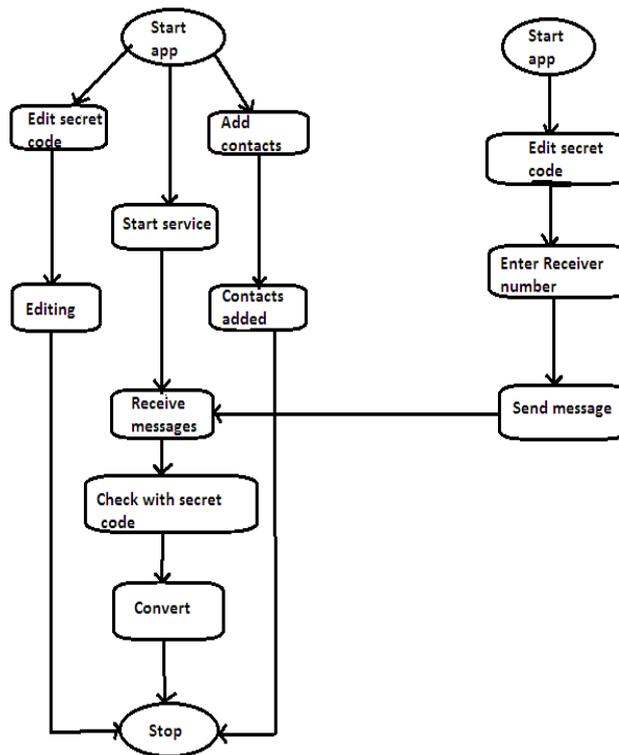


Fig 4:Data Flow Diagram

In server when the app is started by the user he can perform 3 actions : edit secret code ,start service and add contacts. Edit secret code will give privilege to edit the secret code, add contacts will allow to add the contact numbers for client,start service will start the application.

Now,client will start the app,after that he will enter the secret code , enter the receiver number and he will send the message.When server receives the message,it will check with secret code and convert the mode.

## V. CONCLUSION

This is developed in android platform and this application provides higher curiosity to the android users. This proposed system is to provide a good and efficient method for finding out the smart phones where it is placed(in silent mode) and even in meetings it is helpful in changing from general to silent mode. This application provides converting the smart phone from silent mode to general mode and even from general to silent mode. This application can include authorized contacts for sending the message from server to the client. As the smart phone became a mandatory thing for every one and this application will help them a lot.

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