

# Changify: Change Phone Modes Using Only Text Message

Patel Prachi<sup>1</sup>, Patel Sonu<sup>2</sup>, Prof. Ajaykumar T. Shah<sup>3</sup>

<sup>1,2</sup>Dept of Computer Engineering

<sup>3</sup>HOD, Dept of Computer Engineering

<sup>1,2,3</sup> Alpha College of Engineering and Technology

**Abstract-** *Changify is a new Android app that lets you “remotely” perform various tasks on your phone from any other phone via simple SMS commands. Having Changify installed on your phone magically allows you to access your mobile remotely. You can access and retrieve a lot of data from your mobile phone even if you don’t have it with you. The workflow is easy. You send SMS commands from the other phone to your own phone and app reacts accordingly. For instance a command like “ringer” would turn on the ringer while “silent” would put the phone to silent mode.*

X10.5.8 or later, and Windows. XP or later. As of March 2018, the SDK is not available on Android itself, but the software development is possible by using specialized Android applications.

## I. INTRODUCTION

The application helps to user as in following ways: The user can access phone data like fetch contacts from another phone through SMS, The user can forward the call, divert the call, change phone mode, The user can get the last missed call, The user can make notes and manage notes. The main objectives of this system is to that lets the user remotely perform various tasks on his phone from any other phone via simple SMS commands. So for performing these tasks according to SMS commands the user has to submit the codes for performing each task like: Silent to vibrate, Silent to general, Vibrate to silent, Vibrate to general, General to silent, General to vibrate, Wi-Fi on/off. The Changify is an application that lets you “remotely” perform various tasks on your phone from any other phone via simple SMS commands. The user can access and retrieve a lot of data from his mobile phone even if you don’t have it with him.

## II. LITERATURE REVIEW

Android software development is the process by which new applications are created for the Android operating system. Applications are usually developed in Java programming language using the Android software development kit (SDK). The Android software development kit (SDK) includes a comprehensive set of development tools. These include a debugger library, a handset emulator based on QUEM, documentation, sample code, and tutorials. Currently supported development platforms include computers running Linux (any modern desktop Linux distribution), Mac OS

- A. Libraries written in C, C++ and other languages can be compiled to ARM, MIPS or x86 code and installed using the Android Native Development Kit (NDK). Native classes can be called from Java code running under the Dalvik VM using the System.load Library call, which is part of the standard Android Java classes.
- B. Complete applications can be compiled and installed using traditional development tools. However, according to the Android documentation, NDK should not be used solely for developing applications only because the developer prefers to program in C/C++, as using NDK increases complexity while most applications would not benefit from using it.
- C. The ADB debugger gives a root shell under the Android Emulator which allows ARM, MIPS or x86 native code to be uploaded and executed. Native code can be compiled using GCC or the Intel C++ Compiler on a standard PC. Running native code is complicated by Android’s use of a non-standard C library (libc, known as Bionic). The graphics library that Android uses to arbitrate and control access to this device is called the Skia Graphics Library (SGL), and it has been released under an open source licence. Skia has back-bends for both Win32 and UNIX, allowing the development of cross-platform applications, and it is the graphics engine underlying the Google Chrome web browser.
- D. Unlike Java application development based on an IDE such as Eclipse, the NDK is based on command-line tools and requires invoking them manually to build, deploy and debug the apps. Several third-party tools allow integrating the NDK into Eclipse and Visual Studio.
- E. **Android Studio** is an integrated development environment (IDE) for developing on the Android platform. It was announced on May 16, 2013 at the

Google I/O conference by Google's Product Manager, Katherine Chou. Android Studio is freely available under the Apache License 2.0.

- F. **SQLite** is a programming library which implements a relational database management system. The SQLite database concept is, in contrast to other client-server systems, to be linked into the applications code, instead of providing a standalone daemon with which an application can communicate to request or write data. Because of the small size of the library itself, and the ease of use, it is especially interesting for SQLite supports a variety of SQL (Structured Query Language) commands with some exceptions and does not provide any access or user-management. That means that everyone, who can access the database file, can access the data as well as write (change, delete, add) data, if he can write the database file. It therefore inherits the access permissions of the file system.

### III. STUDY FINDINGS

- A. It is the most frequently used method for evaluating the effectiveness of a new system. The procedure is to determine the benefits and savings that are expected from a candidate system and compare them with costs. If the expected benefits equal or exceed costs, the system can be judged to be economically feasible. The economic feasibility will review the expected costs to see if they are in-line with the projected budget or if the project has an acceptable return on investment. At this point, the projected costs will only be a rough estimate. A rough estimate of the project schedule is required to determine if it would be feasible to complete the systems project within a required time frame. The required time frame would need to be set by the organization.
- A. The main purpose is to find out whether the system will be functional after its development and installation or not. The outcomes is that the user can access his device data remotely. Users can fetch contacts, change phone modes, divert his calls with the help of passcodes. It eliminate the limitation of existing system
- B. A project will fail if it takes too long to be completed before it is useful. Typically this means estimating how long the system will take to develop, and if it can be completed in a given time period using some methods like payback period.
- C. Without administrator password no one will be able to create or delete the workspace once allocated and the user will be unable to update records. Unauthorized access, revelation, or destruction of data can violate individual privacy. Corruption of business data can result in

significant and potentially catastrophic losses to companies. In this software, security threats are at user level as well as on data level.

- D. Service product quickly by presenting the data in proper format online. Graphical representation of data helps the user in taking proper decisions in time. So, it is supposed to improve the working efficiency of users. So, this application is operationally feasible.

### IV. CONCLUSION

The application operates all mobile phone settings via other mobile phones. Performing operations like silent, lock timeout, remove data, call logs etc. Users send one message from another device that is encrypted, read the application to that message and compare it and perform that operation. This works only on the base of text messages. It does not need the internet. It can easily fetch contacts from different devices through SMS. It works very fast and easily. Very secure and convenient to the user. It is reliable for the user.

### V. ACKNOWLEDGMENT

“Defeat is not when you fall down; it is when you refuse to get up”. We faced many difficulties during our project to ensure, right from the requirement gathering to implementation. There were times when the goal looked beyond reach but all difficulties were accepted as challenges. Greater the challenges were the effort to overcome it. It has been rightly said that we are built on the shoulders of others. For everything we have achieved the credit goes to all those who really helped us in completing this project successfully.

We would like to thanks to **Prof. Ajaykumar T. Shah** Head of Department of Computer Engineering, Alpha College of Engineering and Technology for their Support and guidance for this project and care taken by them in helping us to complete the project work successfully. We have been greatly benefited from their regular critical reviews and inspiration throughout my work. It was only due to their support, motivation and encouragement that could steer through the project on an honest course to splendour of success.

### REFERENCES

- [1] <http://www.techrepublic.com/article/remotely-control-your-android-viainternet-or-sms-with-android-lost/>
- [2] <http://www.netop.com/remote-support/capabilities/modules/remote-access-android.htm>.
- [3] android. Hive
- [4] <https://www.draw.io/>