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Controlling Phone Sound Profile Remotely Through SMS

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ABSTRACT: To develop an android application called “Controlling Phone Sound Profile Remotely Through SMS” which helps to change mobile phone mode from silent to ringing mode in offline using simple commands “Mute” and “Unmute”. This operation is performed by sending SMS. Once your phone is in ringing mode, you can ring it from any other mobile phones.

KEYWORDS: Mobile phones, Android application, Silent to ringing, Offline.

I. INTRODUCTION

The technology is becoming an increasingly important part of our everyday life. Using new technology, everything seems easier. Thus, losing one’s phone can be a bizarre situation and that too on silent. So the app solves this problem. It provides simple access to make change in sound profile by using simple commands “Mute” and “Unmute”. It helps to make changes to the sound profile of the user’s phone without accessing the internet.

It’s happened to all of us - You search all around your house for your smart phone only give up and resort to whipping out the old and busted landline phone and Call your number. Most of the time your phone is either tucked in your pant’s pocket that you have thrown in the hamper to be washed, or hiding in the cushions of your couch. This method works probably 90% of the time. But what about that 10% of the time when your phone is either in silent or vibrate mode? The Controlling My sound profile remotely through SMS app for Android can force your phone into normal mode by receiving a SMS text from an approved number.

Controlling Phone Sound Profile Remotely Through SMS works in three easy steps:

- Allow all the permissions in the user’s phone for efficient working of the application.
- An SMS from an authorized contact number can change the User’s phone from Silent mode into Ringing mode.
- After receiving the SMS from the approved number with a command “Unmute” it changes the sound profile of the user’s phone to Ringing mode.

As long as the text comes from an authorized number, anybody can send a text to your phone to force it into normal. So, to the people who live alone and don’t have another device in the home capable of sending text messages or to make a Call, you can authorize a friend or family member’s number to force the change. Then you can Call your number and actually hear it ringing.

II. RELATED WORK

The concept of SMS based alert system was first developed by Adeyinka Apo Adewale, Abdullaareem Ademola, Adelakun Adebisi [1]. Based on that SMS based reconfigurable automatic meter reading system was developed by Ali Abdollahi, MarpnDehghani, Negar Zamanzadeh [3]. In [4] The authors developed an android application that uses SMS service to ring the device. In [5] the concept of accessing the data using SMS service was developed by the authors, that grants us to access the data.

The existing system requires the user to login into their online service using the user's E-mail ID. The E-mail ID must be signed in to the user's mobile in-order to ring their phone or to lock their phone. This is an online service that requires internet to avail the service.

III. METHODOLOGY

The system needs to be configured before using the application, the user needs to allow the following permissions to the application:

“Do Not Disturb Access”- This Service allows the application to change the sound profile.

“To view and send SMS”- This Service allows the application to fetch the contents of the SMS and execute the corresponding operation.

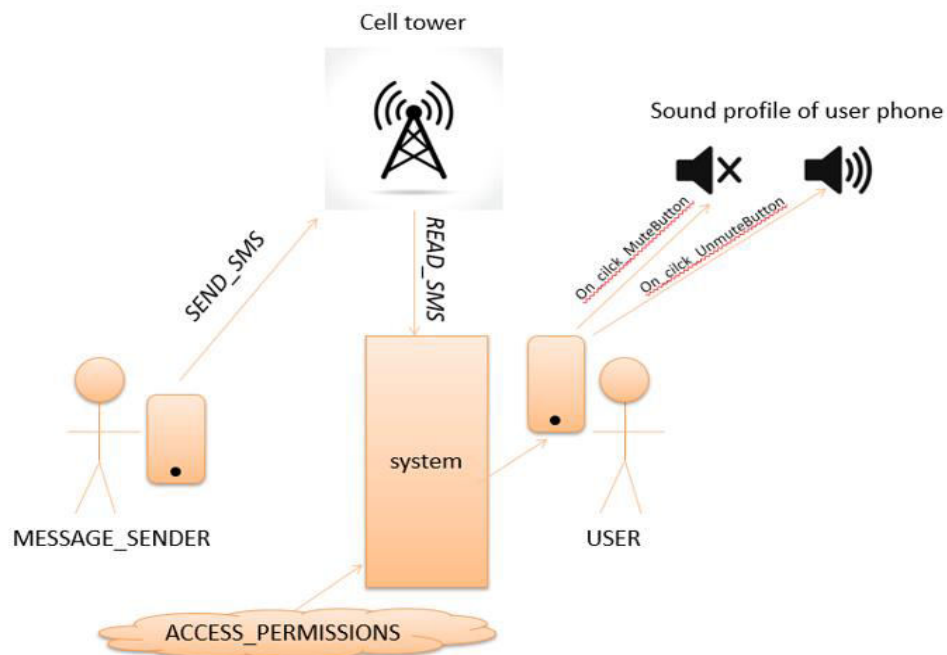
Whenever the command is received via SMS, the application fetches the command and executes the operation that is assigned to the command.

SMS reader module read the content of the Message and if the content of the message matches to the command, It executes the process according to that command.

It has the attributes:

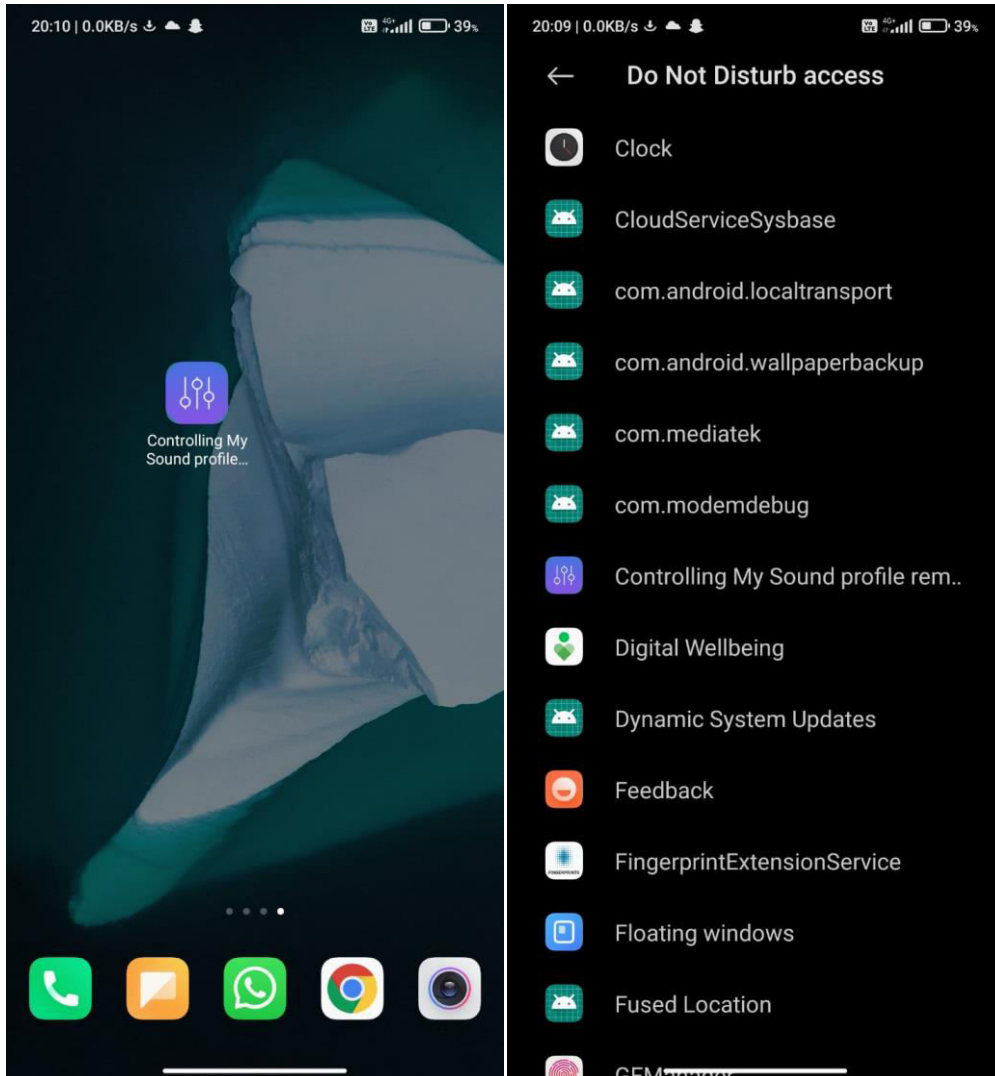
- *SEND_SMS*
- *READ_SMS*

For Example: If the content of the message is “Mute”(Command), then your phone will be muted.



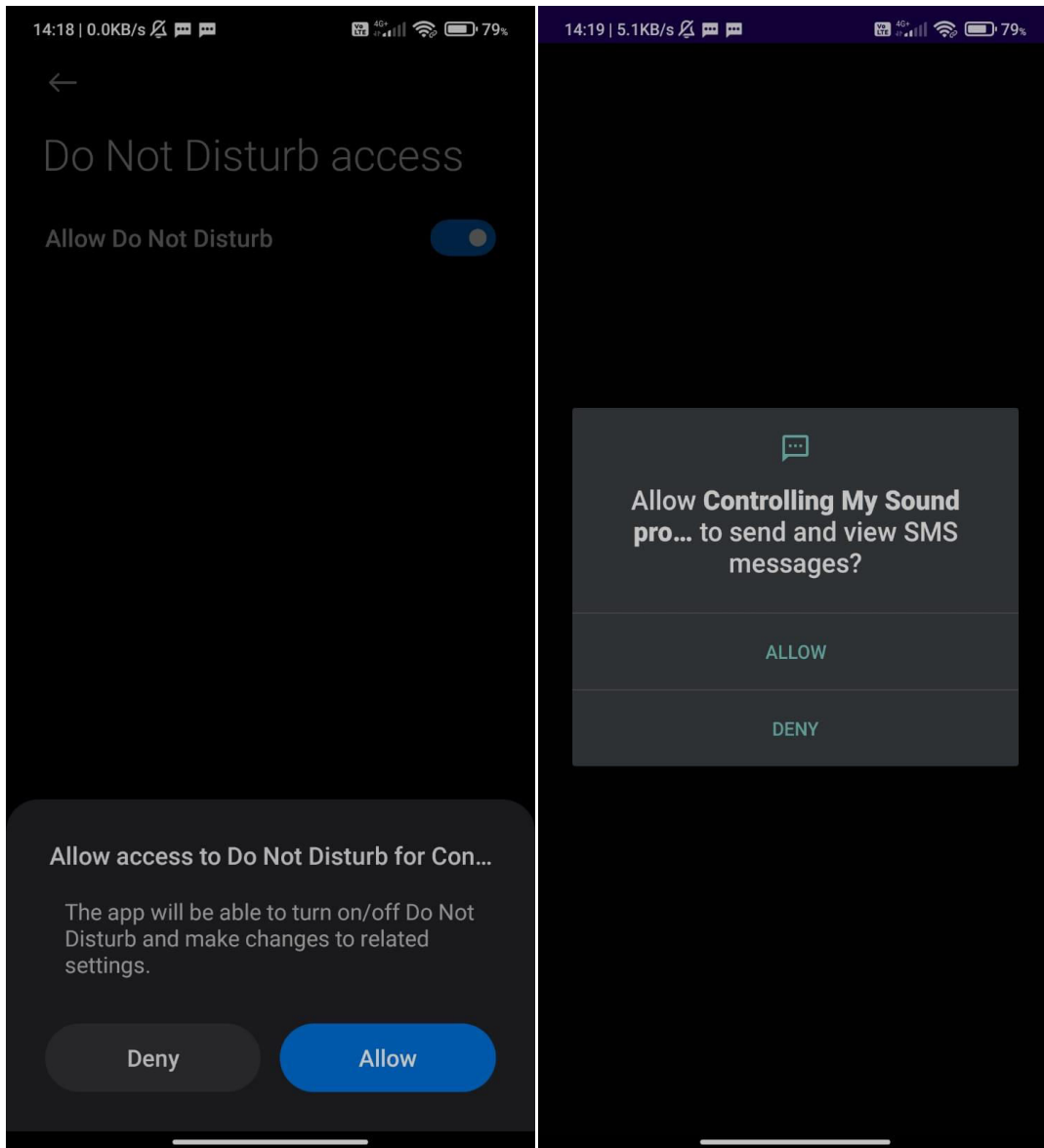


IV. EXPERIMENTAL RESULTS



User mobile

Step 1: Allow access for do not disturb

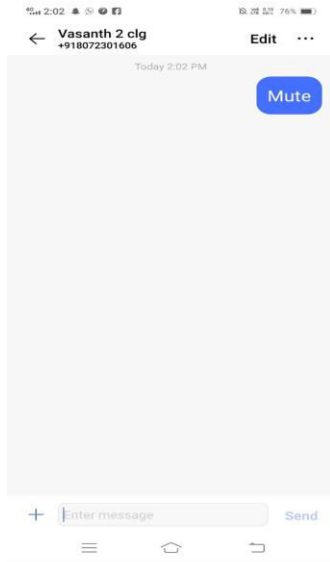


Step 2: Press allow

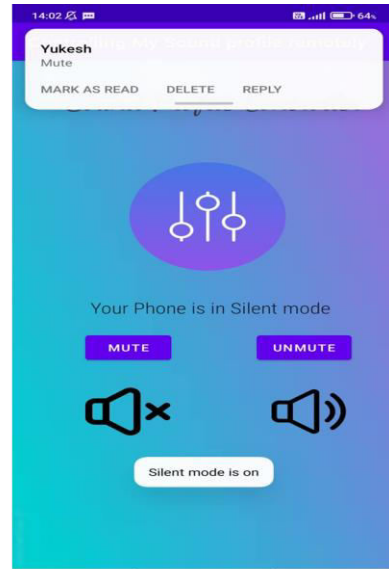
Step 3: Allow the app to send and view SMS



TO MUTE

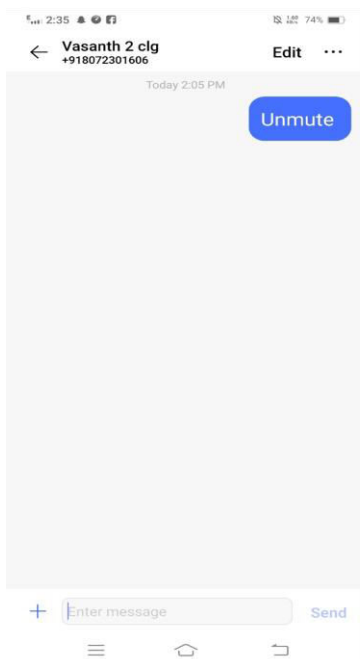


SMS sender

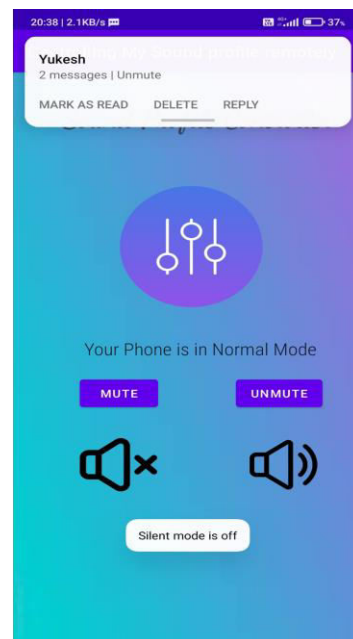


User Mobil

TO UNMUTE



SMS sender



User mobile



V. CONCLUSION

This Application is very useful in case, If we have forgotten, misplaced, lost our android phone .we control our phone remotely through SMS and the apps reacts according to that command.

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