



IJIRCCCE

e-ISSN: 2320-9801 | p-ISSN: 2320-9798



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

Volume 10, Issue 5, May 2022

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 8.165

 9940 572 462

 6381 907 438

 ijircce@gmail.com

 www.ijircce.com

Track Lost Smartphone Using GPS

Pratik Chopade , Nita Jadhav-Mahale , Meghraj Patil , Pratiksha More

Head of Department, Department of Computer Science, JSPM'S Rajashri Shahu College of Engineering, Pune, India

Guide, Department of Computer Science, JSPM'S Rajashri Shahu College of Engineering, Pune, India

Lecturer, Department of Computer Science, JSPM'S Rajashri Shahu College of Engineering, Pune, India

Student, Department of Computer Science, JSPM'S Rajashri Shahu College of Engineering, Pune, India

ABSTRACT: Today's world really depends on Smartphones and they carry it everywhere, even children's using it for entertainment and for study purpose. The mobile phones are very close to our heart and if we lost it or misplaced it, then we lost our personal data along with that smartphone. There should be the way to find our lost smartphone, so that's why WRU Mobile app comes into the picture. This app helps to get smartphone's current location on-demand. Whenever you required you can type text message as "Where Are You" to the misplaced/lost smartphone, it will reply back with its current location to you. It also has some security to avoid misuse of this feature and it can be used to track your loved once when they are not picking any calls and reply to your text messages but this app can reply you automatically with person's current location.

KEYWORDS: Smartphones, Personal Data, Misplaced, WRU Mobile App, Text Message, Current Location.

I. INTRODUCTION

WRU Mobile stands for "Where Are You Mobile" and it's service running continuously in background to listen get location text message from valid number. This mobile application supports Android Version 6.0 onwards, whenever you required to get location of your smartphone or your child's to check where are they, then you can type "Where Are You <Security Code>" and sent to mobile where WRU Mobile app is installed and if the service is enabled on that app then it will reply back with GPS location. Once text message is received it will check for validation first it will check regex weather text message meant to get location or not, if the validation is true then it will further look for security code or the pre-entered mobile number from database. You can enter security code/mobile number whom you want to send location at first while creating a profile in the app. If security code or mobile number matches with database then it will send current location back, else it do nothing. This mobile app can be used by all people to get there mobile location. When it is misplaced or to get your children's or loved one, when they are travelling or busy and not answering your calls and text messages and you are worried to now where they are and to get smartphone's location you don't need to install WRU Mobile app this app only required to be installed on targeted smartphone and this is the best thing about this app, that you don't need to install this app in multiple devices. You can use any other mobile if you know the security code of targeted mobile phone, also there is one more feature to allow user to send there current location to any mobile number with send button externally.

II. COMPONENTS OF ANALYSIS & METHODS

Basically there are 6 main components as follows:

1. SMS Listener
2. SMS Reader & Processing Unit
3. Database for Profile & Settings
4. Security Validation
5. Location Detector & Processor
6. Send Location

A. SMS Listener

Your paper must use a page size corresponding to A4 which is 210mm (8.27") wide and 297mm (11.69") long. The margins must be set as follows: This is the broadcast SMS receiver service of android OS which always running in

background. This service basically check for incoming SMS/Messages and if there is one or many SMS received then it will notify to SMS Reader and Processing Unit.

B. SMS Reader & Processing Unit

As per the name it reads incoming SMS once get notified by SMS Listener and further process it for validation of regex and security code and it also check mobile number of SMS Sender.

C. Database for Profile & Settings

App database contains name of user, the pre-entered mobile number security passcode and the settings information like service enabled or disabled previous known location when internet is on. Previous location used when current location is not available due to no internet connection active.

D. Security Validation

When SMS reader processed its contents or words then security validation process its content or words to check regex match, valid mobile number and security password.Regex like Where Are You, WRU, Where R U, etc. Valid mobile number check from database match, and passcode also check from database, if everything is valid then only it processes for further location related stage.

E. Location Detector & Processor

This unit or component basically get the device current location like latitude and longitude and creates the Google Map link, if there is no current location available then it will use previous known latitude and longitude to create Google Map link and then it will process to send that created link to senders mobile number.

F. Send Location

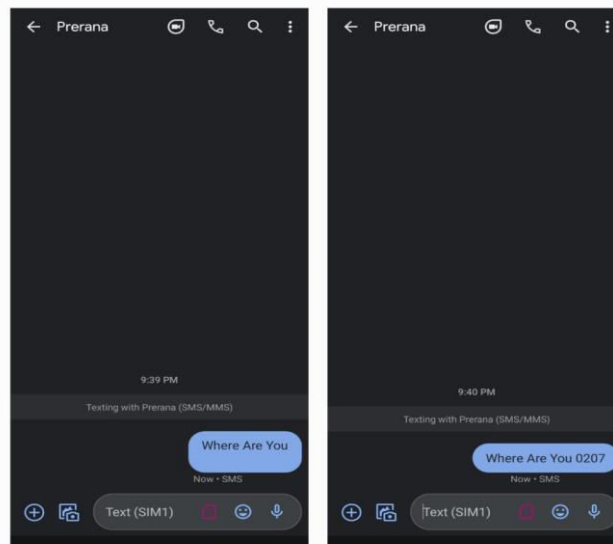
This component sends created Google Map link to senders mobile number and also it is used by user directly to send there current location to contacts from contact list.

III.RESULT & DISCUSSION

All paragraphs must be indented. All paragraphs must be justified, i.e. both left-justified and right-justified.

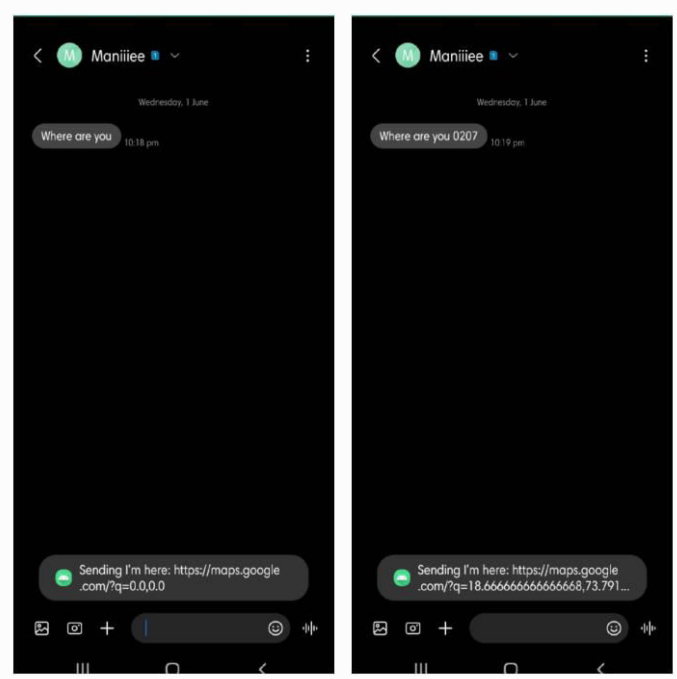
A. 1st Step

Send SMS as “Where Are You” with passcode and without passcode from pre-entered mobile number.



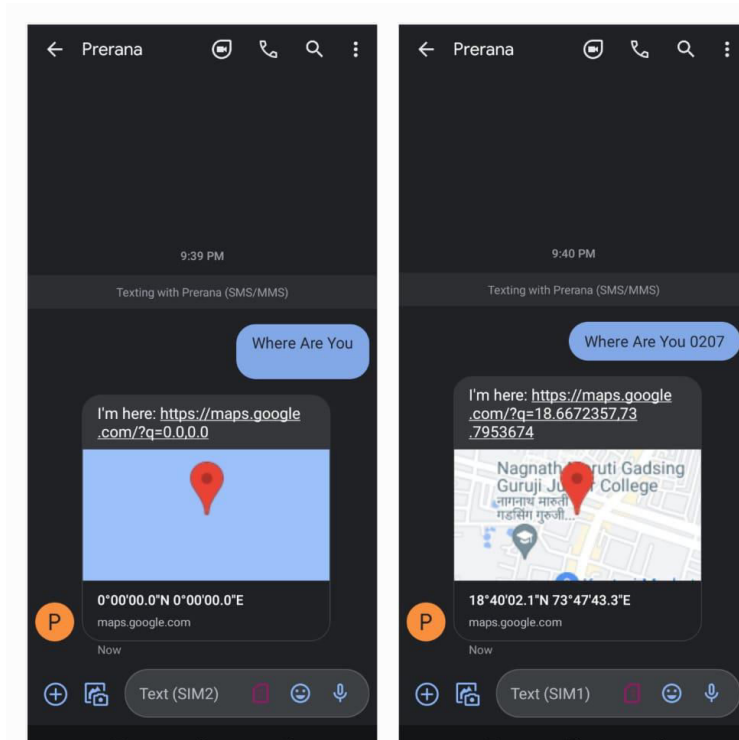
B. 2nd Step

Got SMS Where Are You and it's processing message and with wrong passcode.



C. 3rd Step

Received current location from app.



IV. LITERATURE REVIEW

- Existing Technology
In market there is already a app called find my device from Google to find your misplaced or lost smartphone. The problem with the app.
 1. You always required to create your g-mail account and login into your smartphone.
 2. The internet should be active on targeted mobile and the sender device.
 3. To get your smartphone's location you need g-mail credentials to login on another device.
 4. Parents can not find the children's location if they don't know g-mail credentials and the WRU Mobile app overcome this dis-advantages with proper security.
 5. It stores personal user data along with their location.
- Future Scope
We can add the feature of live location from WRU Mobile app in future in next version of application.

V. CONCLUSION

The WRU Mobile app is secured to use as we not storing user's personal data that's why it is very secure to user. And also we do not allow invalid user to know your current location. WRU Mobile app is an demand automatic get location app.

REFERENCES

- [1]. James C.Shelusi, "Android Application Development For Java Beginners," 2013.
- [2]. PoornachandraSarang, "Java-Bases Portal Application Development," 2009.
- [3]. Neil Symth, "Android Studio 4.0 Development Essentials-Java Edition Developing Android Apps Using Android Studio 4.0 Java and Android Jetpack 2020 Edition ," 2020.
- [4]. Roger Ye, "Android System Programming," 2015.
- [5]. <https://stackoverflow.com/questions/20156733/how-to-add-button-click-event-in-android-studio>
- [6]. <https://developer.android.com/guide/topics/ui/notifiers/toasts>
- [7]. <https://stackoverflow.com/questions/41877180/making-a-toast-in-an-activity-from-different-java-class-file>



INNO  SPACE
SJIF Scientific Journal Impact Factor

Impact Factor: 8.165

 **doi**[®]
cross **ref**

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

 9940 572 462  6381 907 438  ijircce@gmail.com



www.ijircce.com

Scan to save the contact details