

Location Based Call Blocking Application

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Abstract- In present, there are numerous call blocking off strategies however no one has tried with place i.e., gps (international positioning system). In this paper we describe the way to block the call based on location and additionally describe the version of machine.

Keywords- GPS, Location, Android, ArrayAdapter, ListView

Google apis is a fixed of software programming interfaces (apis) evolved with the aid of google which allow communication with google services and their integration to other services. Examples of these include search, Gmail, translate or google maps. Third-party apps can use these APIs to take advantage of or extend the functionality of the existing services.

I. INTRODUCTION

A location-primarily based carrier (lbs) is a software program-degree carrier that uses region facts to govern functions. As such lbs is an facts provider and has a number of makes use of in social networking nowadays as facts, in leisure or protection, which is on the market with cellular devices through the cellular network and which makes use of records at the geographical position of the mobile tool. The global positioning machine, originally navstar gps, is a area-primarily based radio navigation machine. There are numerous gadgets using gps to music location.

II. DESIGN

The user is provided with two functionalities they are

1. Normal Filter
2. Intelligent Filter

A. UI Design

The User Interface is designed in Android Studio. The user interface consists of two options they are

1. Normal Filter
2. Intelligent Filter

The user have to select any one of the Filters

III. ANDROID STUDIO

Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains IntelliJ IDEA software and designed specifically for Android development.

IV. WORKING OF CALL BLOCKER

There are two different works by application they are

A. Normal Filter

In the normal filter, the user can select either the blocking of spam calls or blocking form list or blocking unsaved numbers or a combination of the above three. The user can also block all the calls. The user can view the list by clicking the view list button and can manage the list by clicking the manage list button.

1) Manage List:

In the manage list, the user can add a number into the list or delete a number from the list.

2) ViewList:

The view list layout previews the numbers that are present in the black list.

In Android development, any time we want to show a vertical list of scrollable items we will use a ListView which has data populated using an Adapter. The simplest adapter to use is called an ArrayAdapter because the adapter converts an ArrayList of objects into View items loaded into the ListView container.

B. Intelligent Filter:

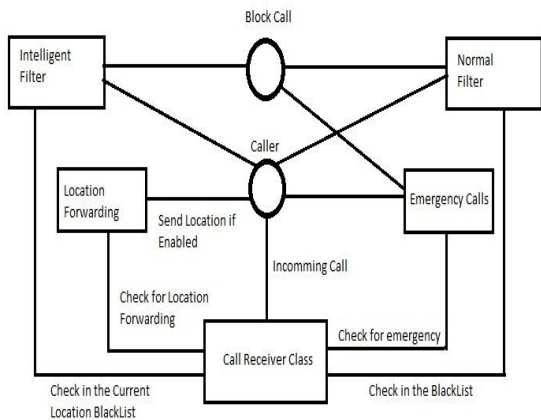
In the intelligent filter, the user can select the type of blocking that has to be set at the specified location in a specified period of time. He can also create, view and manage the location specific black list.

- 1) User needs to specify the location to block the calls
- 2) Location services:

The Location object represents a geographic location which can consist of a latitude, longitude, time stamp, and other information such as bearing, altitude and velocity

To find the location of the phone Google location services are used through APIs

C. Working Of Call blocker



1 Working of Location Based Call Blocker

D. Limitations

- The accuracy of the location is accurate up to 2000 meters.
- If in the emergency blocking mode, if five consecutive calls from a number are interrupted by a call from another number, then the counter will be reset.

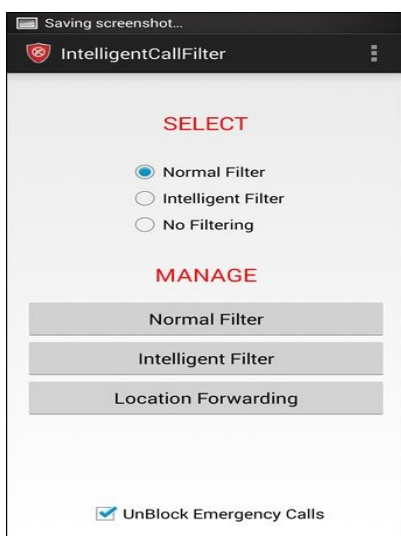


Fig. 2 Screen Shot of Application

V. RESULTS

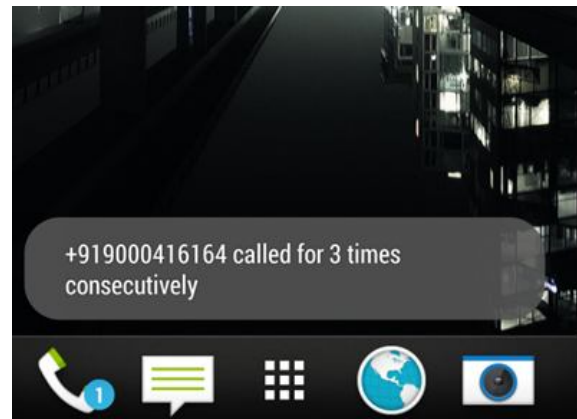


Fig. 3 Call Blocked from that number

VI. CONCLUSION

That is how the blocking of the place specific and non vicinity unique black listing with the additional functions like blocking the junk mail calls and calls from unsaved numbers and also forwards the modern place information of the consumer to a targeted variety.

REFERENCES

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1
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