

TRAPP::TRICKY ALARM

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Abstract--*Your phone is more precious than anything phone is you own. More precious than the phone is your personal data. How would you like it if you could protect both phone and your data from being stolen or falling into the wrong hands? So to overcome this problem we have come up with the perfect solution, introducing THEFT ALARM. The theft alarm protects your phone from theft with the help of motion alarm. As it does not allow the thief to go beyond the alarm screen until he enter the right security code.*

We know you have a problem with getting up in the morning, and we want to change it! PUZZLE ALARM will check if you're awake enough before you're allowed to turn alarms off. It works with numerous method to make sure you really woke up. It generates simple calculations by answering the puzzle it stops alarm.

Key Words: Linux OS kernel, Java programming, Open source libraries: MySQL, Web Kit, OpenGL

I.INTRODUCTION

Secure Computing:

Secure computing is the protection of information systems from theft or damage to the hardware, the software and to the information on them as well as disruption of the services they provide[1]. It includes controlling physical access to the hardware, as well as protecting against harm that may come via network access, data and code injection[2] and due to malpractice by operators, whether intentional, accidental or due to them being tricked into deviating from secure procedures[3].

Android platform has emerged as one of the fastest growing operating systems. Everyday more than 1 billion new android devices are activated worldwide[4]. From Google play 1.5 billion downloads a month. Such a wide user base, coupled with easy of developing and distributing applications, makes Android an attractive target for malicious developers that seek personal gain while costing user's money and invading user's privacy.

Theft alarm acts as a motion alarm and protects

your phone by sounding an alarm when someone holds your device or moves your device from the outlet. When the alarm is triggered, it asks a security code. Alarm stops when we enter the code otherwise it continuously alarmed. It is used to secure your device at the act of being taken by a potential burglar, thief or anybody intending to use your phone without your authorization. It has also been used as protection and as an extra security measure for your phone. This app contains on/off mode.

Puzzle alarm gives solution to wake up in the morning. We know you have a problem with getting in the morning and we want to change it! We introduce the puzzle alarm as solution. In the span of answering the puzzle, we really wakeup

TRICKY ALARM:

Tricky Alarm is the app to be installed in android operating system mobile, which is a stand-alone application. After Installing and opening the app we get the loading page next home page will appear in the home page there are two types of alarms. one is Theft alarm and second is Puzzle alarm. When theft alarm is selected there we must firstly set all the settings for theft alert. There is an on/off option for theft alarm. when theft alarm is on if any one holds your phone it gives sounding alarm. It asks security code to stops sounding alarm. If you enter correct security key only it stops sounding alarm otherwise it continuously sounding.

When Puzzle Alarm is selected, that time will be taken by the alarm manager, and it will call the pending intent, i.e. pending intent is activated when ever alarm manager is get triggered. and it generates puzzle this will be displayed in new activity. By solving puzzle and giving correct answer only the alarm stops sounding.

EXISTING SYSTEM:

- With random positioning, you don't find the Dismiss and Snooze button always at the same place! Wake up and stop it!
- There is a volume decreasing option sounding alarm when your phone is theft.
- Security code and pattern locks available in your mobile

DISADVANTAGES:

- Alarm won't work if any kind of power saving mode is enabled.
- If a thief holds the device it doesn't give any intimation.
- There is a snooze option to avoid.
- There is no security key option to secure our device.

II.RELATED WORK & ANALYSIS

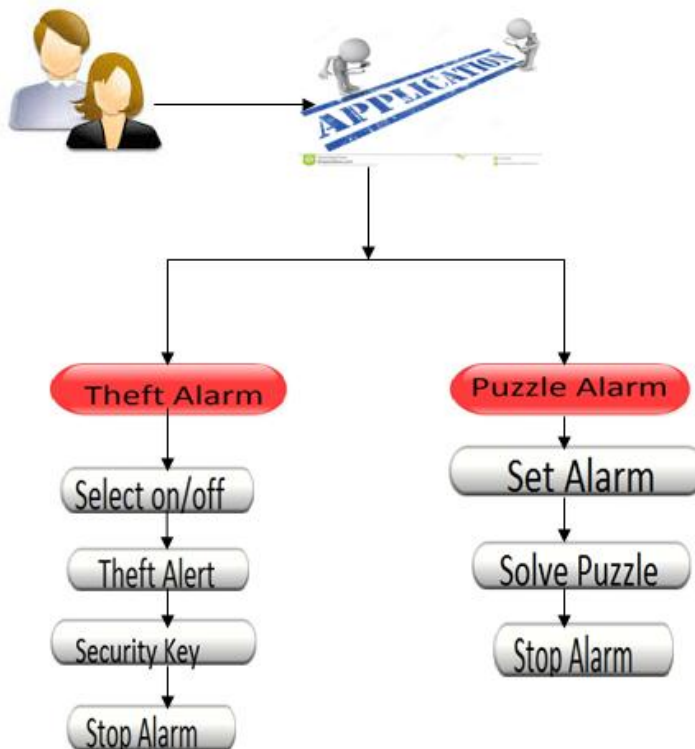
- This concept consists of the advanced feature to the proposed system "TRICKY ALARM". The semantic meaning[6]of the tricky alarm is very simple and easy to understand.
- By this app we can protect your phone from buglers . App consisting two types of alarms. Theft alarm and Puzzle alarm.
- Theft alarm activates when any one holds you phone .it sounds alarm .It stops sounding only when entering correct security key.
- Puzzle alarm activates when the time set and it generates puzzle after solving puzzle correctly it stops sounding alarm.

- This app do not consist of any registration process.

ADVANTAGES

- Different alarm tones and you can set your own.
- Quick activation through notification.
- Easy and clean user interface.
- motion activated alarm
- Loud alarm even if the phone is in silent mode.
- Phone movement detection
- Password Protection.
- Select alarm sound of your choice.

III.SYSTEM ARCHITECTURE



IV.MODULES

The Following modules are :

- **Getting sensor events**
- **Theft alert**
- **Set alarm**

- Solve puzzle
- Stop alarm

Getting sensor events : Android supports sensor events. Once you acquired a sensor, you can register a sensor event listener object on it.

Theft alert : When the device is stolen by the burglar, it alerts by sounding the alarm.

Set alarm : We can set the time when we want to alert while sleeping or in busy work.

Solve puzzle : When set time is alert, puzzle generates along with sounding ringtone. **Stop alarms** : By solving the puzzle, it stops the alarm.

V.RESULTS

Home page:

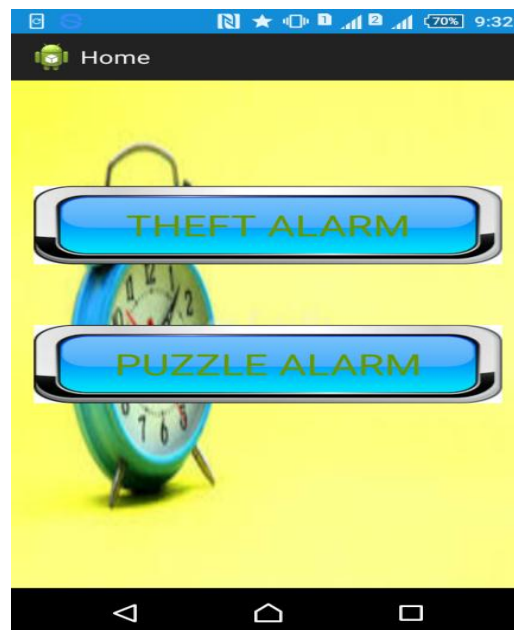


FIG 1: HOME PAGE

Theft alert:

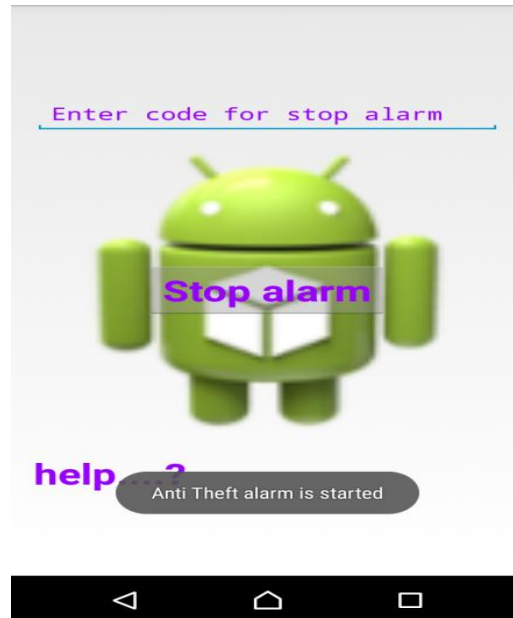


FIG 2: THEFT ALERT

Set time for puzzle alarm:

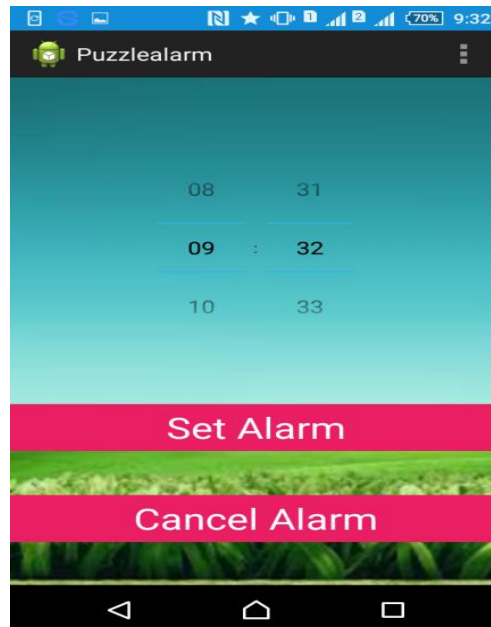


FIG 3:SET TIME FOR PUZZLE ALARM

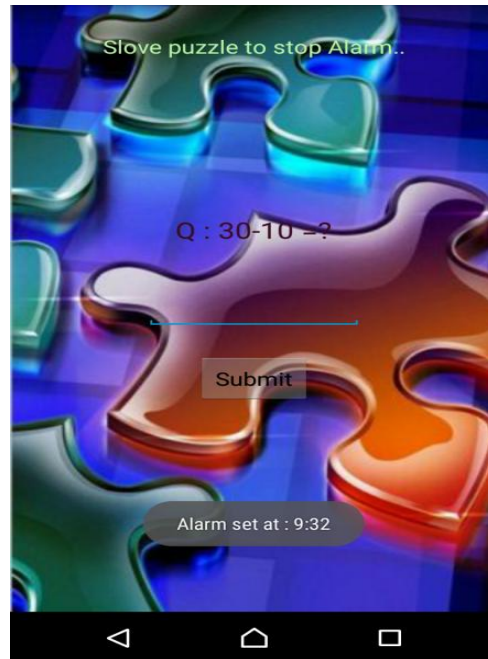
Solve puzzle:

FIG 4: SOLVE PUZZLE

VI.CONCLUSION

The “Tricky Alarm” will safely protects your phone. The application is very useful to all the android users. Everyone will get security to their mobiles by this app. We can avoid lazyness by answering puzzle and get knowledge by this app. In future,Tricky Alarm is very useful to everyone and also provide different modules and features.We believe it is necessary to protect your mobile.

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