

Parental Controller for Android	Version: 2.0
Vision (Small Project)	Date: 27/03/2011

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Revision History

Date	Version	Description	Author
28.12.2011	1.1	Modify Project Vision Document	H. M. G. C. Karunaratne
13/02/2012	1.5	Modify and prepare vision	H.M.G.C.Karunaratne
27/03/2012	2.0	Modify for final	H.M.G.C.Karunaratne

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1. Introduction

Android is an operating system for mobile devices such as smart phones and tablet computers. It consists of a kernel based on the Linux kernel and application software running on an application framework which includes Java-compatible libraries. The project mentioned in this document is a application software running on Android OS which has the feathers of controlling one Android device (child droid) by another Android device (parent droid) and transmitting information between two device. This Document will collect, analyze and define the high-level needs and features of the parent control application software. It also focuses on the capabilities needed by the stakeholders and the users of the Android.

1.1 References

[1]. Android Home Page

<http://developer.android.com/index.html>

[2]. Android Developers Guide

<http://developer.android.com/guide/index.html>

[3]. Android Development APIs

<http://developer.android.com/reference/packages.html>

2. Positioning

2.1 Problem Statement

The problem of	Keep children safe from mobile phone bullying, sexting and grooming by monitoring everything that happens on their mobile phones and know their location. Controlling one Android device by another Android device and transmitting information between two device.
affects	The users (parent user) who are using this application. And controlled user (Child user).
the impact of which is	Children willing to have bad behaviors or habits and parent can't track on their children.
a successful solution would be	To keep track on Child and distributive control. To have good young generation.

2.2 Product Position Statement

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For	Parents, Children
Who	Want to give an Android smart phone to his/her child
The product	is an administration tool
That	enables parents to keep eye/track on their children
Unlike	Other parental control application software
Our product	Busy parents can get Intelligently summarized details and they can control the other host dynamically.

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Project Evaluator	Evaluate the project	Evaluation of the whole project procedure Monitors the project's progress
Developer		Maintain and implement the system through project time period

3.2 User Summary

Name	Description	Responsibilities	
Parental user	Administrate the system process by remote access and receive information	Monitor system with correct configuration and correct actions Report bugs Make sure security issues are confidential Have an email account	
Child user	Controlled and exposed user	Keep the device safe and operating	

3.3 User Environment

Assume that only two users are involve as parent user and child user in completing tasks for this Android software application. Remote access is possible via any mobile service.

The following operating systems for the mobile devices are supported: Android (<http://android-devices.net/>)

3.4 Summary of Key Stakeholder or User Needs

When using Smart phone by children, the obtain threads of system in society and developed technologies tend to spoil kids. Also, parents are busy with their stuff and spoiling kids is bad parenting. It teaches them to be dependent on their parents for everything, and teaches them that they are entitled to whatever they want whenever they want it. Children have way more free time. If they don't know how to hack it, chances are they know someone, or can find someone who will hack it. If parents can't trust children, and parents can't monitor them on something, maybe it's best to wait until they are trustworthy.

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So, parents can track on their children is a best way to protect children by spoiling.

Thus, nowadays parents are busy with their careers and mobile phones become very smart, easy to access and more generic, it is possible to have a solution based on mobile phones.

3.5 Alternatives and Competition

There are few products on parent control. Many of them are available for buying. And other free download parental control apps don't have many features and there are bugs.

Some of comments on them;

:: "Very disappointed

This app would be great except it doesn't work all the time, and my son figured out if he takes the battery out of his phone and puts it back in the, program also stops working. Seems to me Android could make this app more secure."

:: "Worth a look!

Our preschool kids love this app! Has really cut down on my needing to hunt for apps or let them on the net. I have mentioned it to a ton of people, and all love it. My only issues are that parents can't use the camera in Android and the lock isn't very effective on Honeycomb tablets."

4. Product Overview

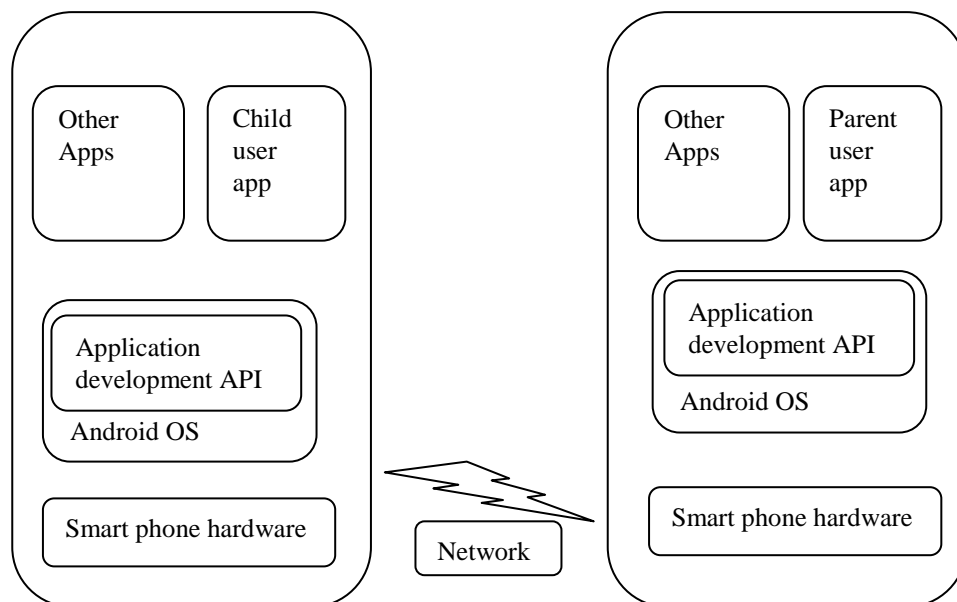
4.1 Product Perspective

There are two Android software applications which are running on Android base device. These apps are build top on the Android API provide by developers.

<http://developer.android.com/reference/packages.html>

<http://developer.android.com/guide/appendix/api-levels.html>

These apps are get the functionalities which are provide by Android libraries and perform.



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4.2 Assumptions and Dependencies

This product is based on the assumptions that,

- User's Android OS version is compatible with application development version. Otherwise user has to have a compatible version to running this app.
<http://developer.android.com/resources/dashboard/platform-versions.html>
- Operating system is giving the accessibility to system calls and handles other applications. Otherwise, parent user can't be able to disable selected applications which are running on child user device.
- Users have the network connection and also have access to internet.

5. Product Features

This application has features that are:

- Send child SMS to parent device.
- Forward child SMS/MMS to an email account.
- Send phone call notifications of child device as SMS.
- Forward phone call notifications of child device to an email account.
- Can request for phone location by a SMS of parent device.
- Record phone call in audio file forwarded with notification if parent asked for those (forward by email only).
- Send phone location with a time period.
- Forward pictures
- Send a random screen shot of videos play in phone (forward by email only).
- Remote start/stop mic record with keyword in SMS and forward the audio file by email.
- Access to contacts list in child device.
- Disable/Enable applications list with keyword in SMS.
- Keep reminders about child

6. Other Product Requirements

- Basically any platform which Android is supported will be a platform requirement.
- Time will be a main constraint for the project.
- Also basic understanding of Android OS will be a plus. Help can be found in the user mailing lists Android forum.
<http://developer.android.com/resources/community-groups.html>