Parental Controller for Android
Risk Report

Version 2.3

©H.M.G.C.Karunarathne-CSE_UOM<Company Name>, 2012

Table of Contents

1. Introduction 3

2. Brief Description of the project 3

3. Risks 4
   - 3.1 Unable to prevent running of not permitted application by Parentdroid 4
     - 3.1.1 High priority 4
     - 3.1.2 Description 4
     - 3.1.3 Impacts 4
   - 3.2 Keep reminders about Child 4
     - 3.2.1 low priority 4
     - 3.2.2 Description 4
     - 3.2.3 Impacts 4

©H.M.G.C.Karunarathne-CSE_UOM<Company Name>, 2012

Risk Report

1. Introduction

Parental Controller for Android is mainly focus on mobile usage for children. This application is targeted on Android users. The main aspect of this application keeps track on the children and their day-to-day activities.

This risk report is about the unable to implement the some major functionality in the Output product. In following sections, it describes the reasons for unable to implement Childroid Admin account and user account in the application. Also it describes the not implement of additional functionalities like keeping alarms about child because of time limitations meet in the project.

2. Brief Description of the project

The main goal of this application is based on two applications. This followed the architecture of two tier architecture. It is not the extract architecture and closure to it. There are two applications called “Childroid” and “Parentdroid”. Childroid is an application which is running in child’s smart phone and sending current information which is interesting by parent.

It is supposed to give functionalities such as;

- 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

This project is built in top of the Android mobile operating system. It uses Android Software Development Kit (SDK) for coding and bugging the project appropriately. It uses “eclipse Integrated Development Environment (IDE)” and also used Android plug-in called “ADT” to interact with the Android SDK.

©H.M.G.C.Karunarathne-CSE_UOM<Company Name>, 2012

It also uses “K9 mail” application for send messages throughout the application and external library for taking snapshots of the Childroid.

3. Risks

3.1 Unable to prevent running of not permitted application by Parentdroid

3.1.1 High priority

This will be highly appended on the output functionalities of blocking not permitted applications in Childroid application.

3.1.2 Description

This functionality is independent feature which is running and try to enforce the restrictions made by parent. But this application still sending the information appropriately to the parent and parent can keep track on child. The main goal of this functionality is avoid running not permitted application which are considered by parent.

3.1.3 Impacts

- Child may use unwanted applications in his/her smart phone
- Parent may not able to keep track on each and every thing happened on Childroid which are send to the Parentdroid

3.2 Keep reminders about Child

3.2.1 Low priority

This risk has lower priority and it can consider as additional functionality. The major factor of unable to implement it is time limitation.

3.2.2 Description

It is a simple application of remaindering. It is in Parentdroid and parent can make reminders on it. When the reminder gets timeout it will notify to the parent by using indicating method. It can be added to the application later time.

3.2.3 Impacts

- The parent unable to keep reminders about children
- Parent may tend to use another application instead of Parentdroid for that functionality

©H.M.G.C.Karunarathne-CSE_UOM<Company Name>, 2012