Software Engineering Project (CS 208)

Project Group 8

Software User Manual

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**OCCASUS**

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Abstract

This document is the Software User Manual (SUM) for the OCCASUS project. The Software User Manual (SUM) instructs how to use the OCCASUS Android Application. This project is part of the Software Engineering Project course (CS 208) at the Indian Institute of Technology, Indore.

Chapter 1

Introduction

* 1. Intended readership

This document covers the use of the Occasus Android Application for every individual who can access the Google Play Store.

* 1. Applicability

This Software User manual (SUM) applies to the Occasus Android Application, version 0.1.

* 1. Purpose

The purpose of the SUM is to assist the user in using the Occasus Application.

* 1. How to use this document

• Chapter 2 gives an overview of the OCCASUS Application.

• Chapter 3 gives a reference of the complete OCCASUS Application.

• Appendix A includes a list of all error messages and recovery procedures.

• Appendix B contains the glossary.

* 1. Conventions

None

Chapter 2

Overview

The Application handles the basic mobile settings like Bluetooth, WiFi, Mobile data and Profile Settings for an ongoing event. The Application is also able to send an SMS to pre-specified contacts and also rings the phone on receiving a call only for some already specified contacts.

Chapter 3

Reference

The user operations are described in this chapter.

3.1 Create Event

**Functional Description:** This operation adds an event to the Occasus System. The event starts at the starting time on the starting day and ends at the ending time as specified by the user . The event also repeats on the week days as specified by the user.When an event has started, the settings specified in the event get activated and they revert back to their respective previous states when the event ends.

**Parameters:**

* <name> (required) : This parameter is the name of the event.
* <description> (optional) : This parameter is the description of the event.
* <date> (required) : This parameter is the start date of the event.
* <start time> (required) : This parameter is the starting time of the event.
* <end time> (required) : This parameter is the ending time of the event.
* <repeat> (optional) : This parameter holds the days of the week on which the event will be repeated every following week.
* <bluetooth> (optional) : This parameter specifies the state of the Bluetooth to be kept during the activation of the event.
* <wifi> (optional) : This parameter specifies the state of the Wifi to be kept during the activation of the event.
* <mobile data> (optional) : This parameter specifies the state of the Mobile Data to be kept during the activation of the event.
* <profiles> (optional) : This parameter specifies the ringing state of the phone to be kept during the activation of the event.

**Possible Errors:** None

**Related operations:** Edit, View and Delete Event

3.2 Contacts Exception

**Functional Description:** The add operation inserts contacts in the contacts exception list. The profile settings do not apply for these contacts. If the user receives a call from any of these contacts while an event is going on, the phone will ring irrespective of the profile state of the phone.

**Parameters:**

* <add contact> (optional) : This parameter specifies the contact to be added in the list.

**Possible Errors:** None

**Related Operation:** Delete Contact

3.3 Urgent SMS

**Functional Description:** The add operation inserts contacts in the send SMS list. If any of these contacts attempt to reach the user via a call, then a message is sent from the user to the contact in the form of an SMS after the call is hung up.

**Parameters:**

* <message> (required) : This parameter is the message to be sent as SMS.
* <add contact> (optional) : This parameter specifies the contact to be added in the list.

**Possible Errors:**

* Message = “Invalid message body”.

Cause: The user has saved empty message.

**Related Operation:** Delete Contact

Appendix A

Error messages and recovery procedures

All error messages can be found in chapter 3. There are no recovery procedures if an error occurs. If the application crashes, the application gets automatically restarted.

Appendix B

## Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Google Play Store | The store on which all the apps are available |
| Profile Settings | It includes the settings like ring, vibrate and silent |
| Contacts Exception list | It contains all the contacts that will be included in the action of contacts exception |
| Send SMS list | It contains all the contacts that will be included in the action of urgent SMS |
| Occasus System | The Full name of the entire system |
| Application | Tool that perform a certain task |
| User | Person that uses a application or any other computer service |
| Android | Mobile Operating System developed by Google(used in most of the phones) |
| Parameter | A basis factor |
| Event | A particular situation for which the user modifies the phone settings |
| Bluetooth | A networking setting of the mobile |
| Wifi | A networking setting of the mobile |
| Mobile Data | A networking setting of the mobile |

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