Bern University of Applied Sciences

Project 1 - ClockAlarm

Requirements (version)

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March 13, 2017

Contents

Chapter 1

Goal of this document

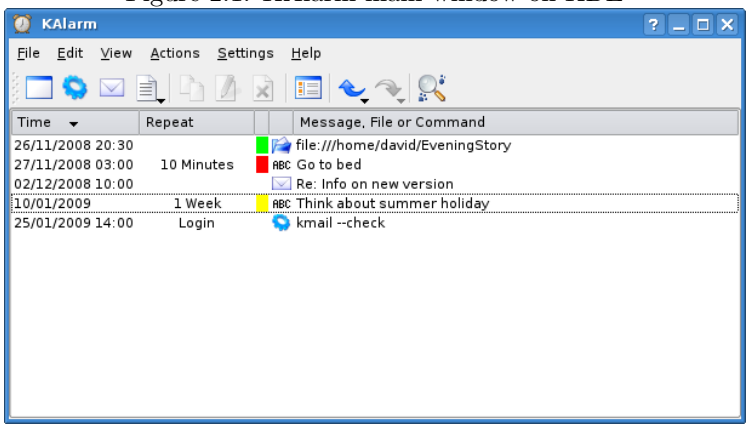
This documents describes the goals and requierments for the project 1 (ClockAlarm)

Chapter 2

Project Vision

The ClockAlarm project is an application allowing the user to manage alarms which will alert him at specified times. The user can create new alarms and assign them to categories in order to stay organised. The project is thought to replace in the long run an existing application named KAlarm.

Figure 2.1: KAlarm main window on KDE



Chapter 3

Project Goals

3.1 Goals

- Improve the overall life organisation of the user
- No more missed events

3.2 Requirements

- The application has to be cross platform (Windows, Linux, macOS)
- The database must not be stored in a binary format
- The configuration has to be easily transferable to another computer
- Customisable alerts
- Classifiable alerts
- Recurrent alerts
- Alerts can be scheduled
- Delay alerts
- Snooze alerts

Chapter 4

System and Context Boundaries

4.1 Stakeholder

1. kAlarm users

   Users who previously used kAlarm on linux, and wishing to find a similar but remastered and cross-platform software.

2. Computer users

   Those who tend to forget many things.

3. Investors

   Investors in the project. For example advertisers looking for visibility in the software.

4. The GNU Project

   The GNU Project collective could be pleased to see that an updated version of kAlarm is proposed.

4.2 Actors

1. Software User (Primary Actor)

   The peoples who will use the software. They are the first concerned by the product.

2. Administrator (Primary Actor)

   Super users with special authorizations. May be able to manipulate the data and the other users.
   It is likely that the software does not need an administrator.

3. System Time (Supporting Actor)

   The service specific to the OS and providing the exact international time.

4. Messaging Software (Supporting Actor)

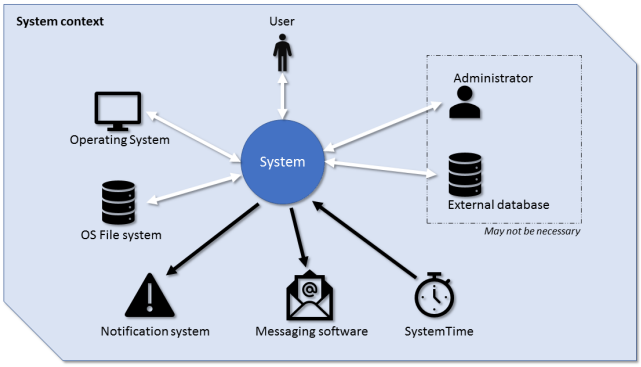
   Allows ClockAlarm to send Emails.

5. OS Notification Services (Supporting Actor)

   OS specific notification center or notification service.

4.3 System context

Figure 4.1: System context



4.4 System boundary

In addition to the elements above, special attention should be given to the following points.

- The must-have goal isn't to add functionality to the existing software kAlarm, but to create a similar and cross-platform product.
- The existence of a database and an administrator could be dropped and go out of context.
- The software isn't meant to be an alternative to an agenda. It behaves like a list of tasks and reminders.

4.5 Context boundary

In addition to the logical considerations and those stated above, the following points should be taken into account.

- The software is responsible for asking the messaging software to send to emails. This means that the way emails are sent isn't part of the environment.
- The software bases its alarms on the internal time. The accuracy of the time and of the time zone with respect to the geographical position of the machine is not part of the environment.