

BERN UNIVERSITY OF APPLIED SCIENCES

PROJECT 1 - CLOCKALARM

Requirements (version 1.0)

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Chapter 1

Goal of this document

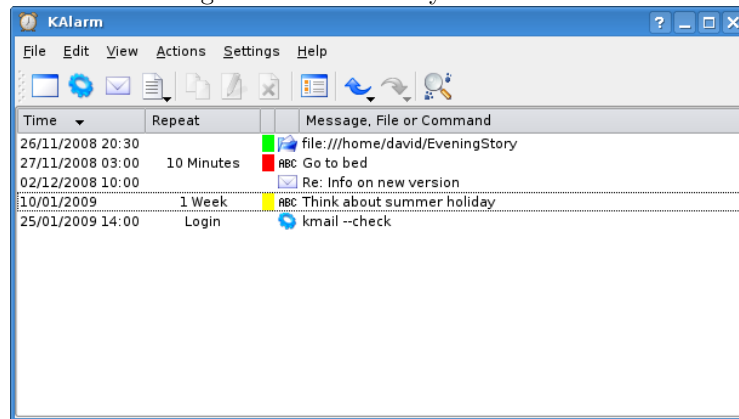
This documents describes the goals and requierments for the project 1 (ClockAlarm)

Chapter 2

Project Vision

The goal of this project is to develop a replacement for the program „kAlarm“ distributed with the KDE desktop environment.

Figure 2.1: kAlarm layout on KDE



The program kAlarm allows the user to define some events (possibly recurrent) and display alarms using pop-up windows on the screen at times defined by the event. The project should develop an alternative to this tool, which is platform independent and open-source.

Chapter 3

Project goals

The new ClockAlarm software must handle recurrent events, system shutdown (persistence), and mustn't rely on an online database. The software has to be cross platform. The user must be able to categorise the events, personalize the notifications layout and import/export a configuration file.

As nice to have goals, the user should be able to delay a notification, to setup recurrent events (sub-repetition) or setup events/commands starting at an ulterior time. Internationalization, advanced personalization or iCalendar importation are other features to consider.

Chapter 4

System and Context Boundaries

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Chapter 5

Requirements

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Chapter 6

Use cases

- As a User
 1. i want to registrate some alerts so that the software warns me when they occure
 2. i want to be able to choose a diffente color, font and sound for every alert
 3. i want to edit the existing alerts when needed
 4. i want to delete the existing alerts when needed
 5. i want to create and delete categories of alerts, so that I can sort my alerts
 6. i want to assign color identity to my different categories, some that I can easily find them
 7. i want to edit my categories, in a way my alerts remain categorised
 8. i want to retrieve the correct state of my alerts after turning my computer down and back on
 9. i want to be alerted at any times, as soon as I'm logged on my computer session
 10. i want to export my alerts so that I can't import then on an other computer with ClockAlarm installed
 11. i want to import an alerts file, so that I can retrieve previously exported alerts
 12. i want to personalize the default color, font and sound of my alarms in the software configurations
 13. i want to load configuration files, so that I can use predefined color and sound themes