Requirements Analysis Document

Revision History

Revision	Date	Author(s)	Description
1.0	21.10.14	anud, ntho, sjri	Revision: Restructed the LaTeX documents.

Indholdsfortegnelse

Kapitel 1

Introduction

1.1 Purpose of the system

1.2 Scope of the system

1.3 Objectives and success criteria of the project

1.4 Definitions, acronyms, and abbreviations

1.5 References

1.6 Overview

Kapitel 2

Current System

Kapitel 3

Proposed System

3.1 Overview

3.2 Functional Requirements

Calender

The Calendar is used to keep track of events, e.g. Work calendar or Holiday calendar. The Calendar contains events specific to only itself. A new calendar is initiated by the Client with a name that described the calendar. The Calendar can be modified by the Client. A Calendar may contain one or more events. The system can contain multiple calendars.

Event

An Event has a start date and an end date. An Event belongs to a Calendar. Events are initiated by the Client and can also be modified by the Client. An Event may repeat on multiple dates, e.g. every week/month. Events have alarms that be set to notify the user

Client

The Client manages both the Calendars and the Events. The Client has access to all of his Calendars and Events and can therefore create, edit, share and delete Calendars and Events. The Client can change the view. The Client has the ability to Hide/Show different Calendars of their liking. The Client can synchronize the Calendars with the Server to they are easily accessible on different devices. The Client has the opportunity to search for specific events.

Server

The Server is responsible for keeping the Client?s calendars up to date. When an Event or Calendar is shared the Server must send an invitation to the recipient(s).

Other user

The Other User receives invitations from the Client and can choose to either accept or decline the invitation.

View

The are four types of view: Day View, Week View, Month View, Year View. Besides the view can show one or more Calendars at the same time.

3.3 Nonfunctional Requirements

Usability

- The user should have basic experience using computers.
- The user should be familiar with popular OS interfaces, e.g. Windows 7 or 8.
- The user should be able to use the system without little or no documentation.

Reliability

- It is important that the Calendars are synchronized.
- Restarting of the system is acceptable in the event of a failure.
- The system may lost at most five of the last changes made by the user in the event of failure.

Performance

- The system should be responsive. There should be little to no latency during actions.
- Server synchronization should take no longer than 1-2 minutes on an average home internet connection.
- The system should support different user accounts on a computer.

Supportability

- Extensions could be the support of other types of Calendar systems, such as GMail, Yahoo Mail etc

Implementation

- Internet connection is needed for synchronizing with the server. If no internet connection is available the data is only stored locally.

Interface

- The data is saved locally and on the server.

Packaging

Legal

3.4 System Models

3.4.1 Scenarios

1. Nicolai just got an offer for a new job and wants to delete his old work calendar and replace it with a new one. Nicolai opens his calendar system and selects his old work calendar. He then searches for events he wants to transfer to his new calendar. He finds two events in the old work calendar he wants to transfer to his new calendar. Nicolai then creates a new calendar and creates his first event. While creating his second event, he gets a message saying his job offer is rejected. Luckily Nicolai didn?t quit his old job, so he decides to synchronize his calendar to see if the old one is still on the server.

2. Peter has a bad day. Just as he is editing his calendar the lightning strikes down in the tree in the backyard and the power goes down and the computer crashes. Peter tries to reboot the computer but the computer will not start. Peter concludes the smoke from the hardware means his computer is now broken. The following week Peter gets himself a new computer. Peter installs the calendar system again and is annoyed that all his calendars are lost. But then Peter remembers that the calendars are stored on the server and that the calendars are not lost. Peter synchronizes his calendar system with the server and all his calendars are restored.

3.4.2 Use case model

3.4.3 Use case diagrams

Kapitel 4

Glossary