

Assignment 37

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1 Introduction

1.1 Purpose of the system

The purpose of the calendar system is replace the paper calendar with an online calendar available for user through a client on a computer.

1.2 Scope of the system

The calendar will allow users to access their calendar from any computer with the client installed and an internet connection, since their calendar is bound to an account. Users will be able to create and manage entries in their calendar and share entries with other users.

1.3 Objectives and success criteria of the project

The objective is to implement a easy to use, and learn, system, for the user. The system should also be fast to create/update entries.

The criteria for this is:

- In a user test 70% of participants must be able to use all of the functions in the system available to them within an hour.
- In a user test 65% of participants must be able to create an entry in their calendar in under one minute.
- From the time an user confirms the creation/update of an entry, the system may at most use 5 seconds to complete the request.

1.4 Definitions, acronyms, and abbreviations

User: In this document the term user covers any regular user with no special privileges in the system.

2 Current system

The current system used is a physical calendar made of paper. The problem with this system is the need to change the calendar every year. The current system also requires the users to bring the calendar with them between destinations, since the calendar is not available through other means. It is also bothersome to share entries with other people.

3 Proposed system

The proposed system is made of a system in two parts. The first part is the client, running on a regular computer, the second part is a server running on a centralised computer, available to all running clients through the internet.

3.1 Functional requirements

The calendar system supports 2 different kinds of users:

- Users who can manage entries in their calendar and manage their account.

3.2 Nonfunctional requirements

Category	Nonfunctional requirements
Usability	The UI of the client must resemble a paper calendar, as to ease learning process.
Reliability	Loss of connection to the server must only cut off functions requiring connection, but not access to information already loaded.
Performance	The server must support multiple clients at once (e.g., 25). The communication between client and server, when updating a server should be fast even with a low bandwidth connection.
Supportability	...
Implementation	The system should be implemented in C# and work on all newer versions of Windows
Operation	...
Legal	...

3.3 System models

3.3.1 Scenarios

Scenario name: calendarEntryMeeting

Participating actors: John, User.

Flow of events:

- John is invited to meeting the 21st of July 2015. To remember it he wants to make an entry in his calendar. He accesses the create new entry function in the calendar system.

- John plots the information of the meeting and the date/time. He confirms the input and waits for the calendar to create the entry.
- The calendar system tells John that the entry has successfully been created.

4 Glossary