1 Glossery

Event Something predicted to happen at some point.

2 Vision

The purpose of this product is to make browsing, management and sharing easy for people with little or no knowledge about interaction with networks or computers. Performance shall be reasonable and use of the application shall not expose any security threats, unless prevention compromises usability or reliability.

3 User cases

Name View calender
Scope Calender client
Level User goal
Primary Actor User
Stakeholders and Interests User
Precondition User is connected to database. User has logged on.
Postcondition
Main Success Scenario User gets the desired information.
Extensions No database connection returns error
Special Requirements

Name Create event
Scope Calender client
Level User goal
Primary Actor User
Stakeholders and Interests User
Precondition User is connected to database. User has logged on.
Postcondition An event has been created in the database and the view is updated
Main Success Scenario User creates the desired event
Extensions No database connection returns error
Special Requirements

Name Delete event
Scope Calender client
Level User goal
Primary Actor User
Stakeholders and Interests User
Precondition User is connected to database. User has logged on. User has chosen a single event in the users personal calender.
Postcondition the chosen event has been deleted in the database and the view is updated.
Main Success Scenario User deletes the desired event
Extensions No database connection returns error

Special Requirements

Name Edit event
Scope Calender client
Level User goal
Primary Actor User
Stakeholders and Interests User
Precondition User is connected to database. User has logged on. User has chosen a single event in the users personal calender.
Postcondition The chosen event has been updated in the database and the view is updated
Main Success Scenario User updates the desired event
Extensions No database connection returns error
Special Requirements

Name User login
Scope Calender client
Level User goal
Primary Actor User
Stakeholders and Interests User
Precondition User is connected to database.
Postcondition The user has successfully logged on to the system
Main Success Scenario User logs on to the system
Extensions No database connection returns error Wrong e-mail address and/or paswords returns error and offers an opportunity to get the password sent by mail
Special Requirements

Name Share calender
Scope Calender client
Level User goal
Primary Actor User
Stakeholders and Interests User
Precondition User is connected to database. User is logged on
Postcondition The user has sent a share-invite to another user of the system
Main Success Scenario The user successfully sends a share-invite to another user
Extensions No database connection returns error The entered e-mail which the user wants to share the calender does not exist in the system. The user is presented with an error
Special Requirements

Name Accept request
Scope Calender client
Level User goal
Primary Actor User
Stakeholders and Interests User
Precondition User is connected to database. User is logged on User has received an invite to see another users calender
Postcondition The user has accepted the invite and is now able to see the

shared calender. The view is updated.

Main Success Scenario The user has access to see the shared calender

Extensions No database connection returns error The user declines the invite, nothing happens

Special Requirements

4 Supplementary specification

The supplementary specification is structured using the FURPS+ model.

Functionality: The program shall support a minimum of functions.

- The functions shall support sharing of calenders, creation and modification of events and viewing.

- The functions shall be intuitively grouped.

Usability: The user shall be able to use the program with as little knowledge as possible, which raises the following requirements:

- The user should consider a minimum of options performing the desired task. This may compromise both performance and functionality.

- Anyone beyond the age of 12 shall be able to understand the program terminology.

Reliability: The program shall be very reliable, even if it compromises security. Any error should result in recovery or crash, neither involving the user. Any crash or recovery must maintain the content of the database.

- The program shall be able to complete as many tasks as possible without internet connection.

Performance: The program shall have reasonable performance. This means that no operation shall take more than 2 seconds on a bandwidth with more than 2 mBit/s and a processor of more than 1 GHz.

Supportability: Functions shall be supported with a help page. The content should be limited because the intuitiveness and limited functionality makes it needless.

5 Operation Contracts

Operation: newEvent(time:Date, description:String)

References: User Cases: Create new event

Pre Conditions: User must be connected to the server User must be logged on to the system

Post Conditions: An Event instance event was created (instance creation) event.ID is uniqe (Primary key established) event is associated with a Calendar, based on the users ID (association formed) event.description becomes description (attribute modefication)

Operation: updateEvent(event:Event, command:String)

References: User Cases: Edit event, Delete event

Pre Conditions: User must be connected to the server User must be logged on to the system An exitsing Event must be selected

Post Conditions: The incomming command has been executed on the target Event (instance modification)