Collaboration Project
Prototype Design Evaluation
Group 34

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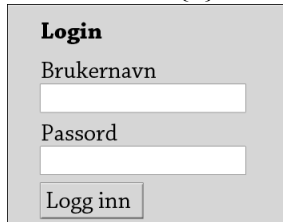
Eivind Kvissel   Håvard Høiby

March 20, 2012

The Design

Graphical User Interface

Login dialogue{0}:

Login

Brukernavn

Passord

Logg inn

The calendar view{1}:
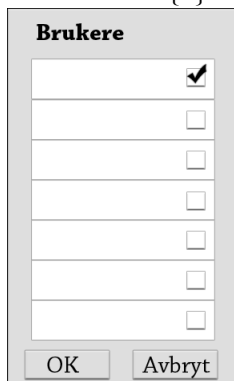
◄ Uke 10 ► ◄ 2012 ►   Meldinger

kl.	Mandag	Tirsdag	Onsdag	Torsdag	Fredag	Lørdag	Søndag
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							

Ny avtale   Nytt møte   Kalendere

Calendar selection{2}:
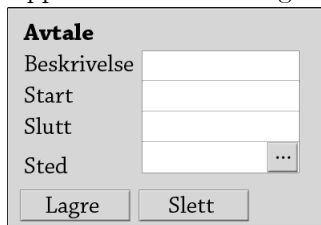
Kalendere

✔

OK   Avbryt

User selection{3}:

Brukere

✔

OK   Avbryt

Appointment edit-dialogue{4}:

Avtale

Beskrivelse	
Start	
Slutt	
Sted	...

Lagre	Slett

Datepick dialogue{5}:

◄ Mars 2012 ►

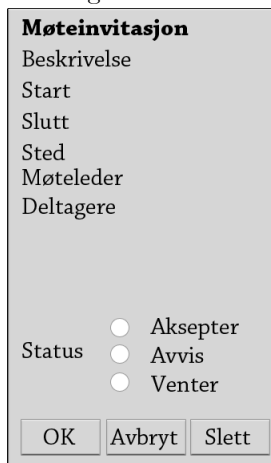| M	T	O	T	F	L	S
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

Kl. __ : __

OK	Avbryt

Meeting invitation dialogue{6}:

Møteinvitasjon

Beskrivelse
Start
Slutt
Sted
Møteleder
Deltagere

Status
○ Aksepter
○ Avvis
○ Venter

OK	Avbryt	Slett

Create-a-meeting dialogue{7}:

Møte

Beskrivelse	
Start	
Slutt	
Deltagere	

Legg til deltager(e)

Sted	...

Lagre	Slett
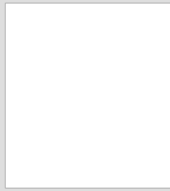
Meeting room booking dialogue{8}:

State Diagram

The picture illustrates the diagram while the following block of text further explains what has to be pressed as I couldn't figure out how to get text to appear above the arrows in the program.
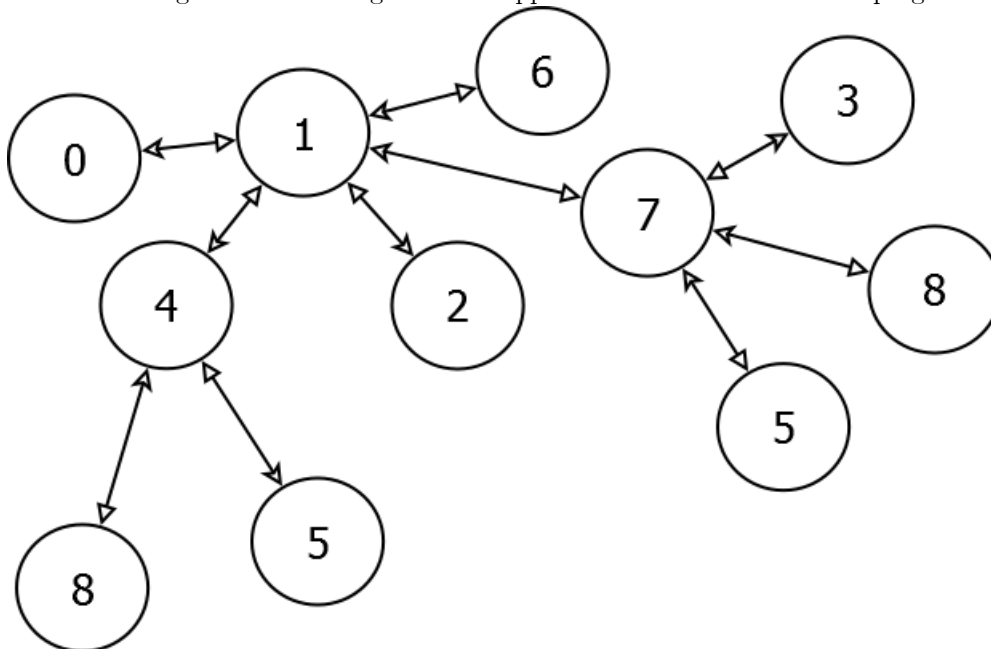
Uppercase text describes a feature not visible in the design prototype.
FROM 0:
>1:Login
FROM 1:
>0:LOGOUT
>2:"Kalendere"
>4:"Ny avtale"
>6:VIEW MEETING INVITE
>7:"Nytt møte"
FROM 2:
>1:OK/Avbryt
FROM 3:
>7:"OK/Avbryt"
FROM 4:
>1:"Lagre/Slett"
>8:[...]
>5:Start/Slutt
FROM 5:
>4 ELLER >7:"OK"
FROM 6:

>1:"OK/Avbryt/Slett"
FROM 7:
>3:"Legg til deltager(e)"
>8:[...]
>1:"Lagre/Slett"
>5:Start/Slutt
FROM 8:
>7/4:"OK"

Testing

Scenarios

We chose to use the scenarios supplied to us through the DB-D2 description document. Yes, the ones on the last page of the document.

Tasks

Regular text describes the tasks presented to the user. *Italicized text* describes events performed by the computer when the user reached the corresponding point.

1. Create a new appointment at 13:00 on the next Friday and book a meeting room with a capacity of at least four people for this appointment.

2. Create a new meeting at 12:00-14:00 on the upcoming Wednesday and invite Beate, Morten and Finn to it.

3. *Receive invitation to board meeting at 12:00-14:00 on the upcoming Wednesday.* Move earlier created meeting to 14:00-16:00 on the same day.

4. *Receive notification about Morten having declined your meeting invite.* Remove Morten from the 14:00-16:00 Wednesday meeting.

5. Cancel the 14:00 meeting with Beate and Finn.

Procedure

The prototype was tested on three members members from group 32. The tests were conducted by members of group 34.

Results

After completing the tests and discussing our different designs with group 32, some design-flaws and absent features were revealed to us.

Issues

An issue of type 1 ("T1") indicates an outright error in the design, due to an oversight or what not.

Type 2 ("T2") indicates a problem related to our design choices, while Type 3 ("T3") indicates that a or several design choices were confusing.

Problem, T3: The system's automatic completion of a meeting/appointment's "end time" was regarded as confusing.

Reason: Upon entering a start-datetime for a meeting/appointment, the end-datetime is automatically set to one hour after the start-datetime. The confusion might have arisen from the slow handling of this automatic completion due to the test being performed with pieces of paper.

Fix: None. We have decided to retain this functionality.

Problem, T3: Should an error-message appear when attempting to save a meeting/appointment without specifying a location?

Answer: According to the specifications, an appointment does not require a location, although meetings do.

Fix: Disallow saving a meeting unless a location is specified.

Problem, T3: Should it be possible to have several meetings or appointments at the same datetime?
Answer: Yes.
Fix: Implement it.

Problem, T2: The datetime-selection window felt confusing.
Reason: The testing was performed with pieces of paper with incorrect scaling.
Fix: None. The usability should improve when the system is digitalized.

Problem, T1: The room-reservation dialogue has no "cancel" button.
Reason: Oversight.
Fix: Add a "cancel" button.

Problem, T2: Confusion regarding at what time a day begins.
Reason: The scrollbar on the right side of the calendar is shown being scrolled all the way up but the earliest time shown is 07:00.
Fix: yep

Problem, T2: The location-field in the create/edit meeting/appointment dialogue window felt ambiguous.
Reason: The [...]-button in the location-field.
Fix: Seperate the location field and the [...] (book-a-room) and remove any ambiguity as to whether one can use both.

Problem, T1: Calendar-view does not display the date.
Reason: Oversight.
Fix: Add the week's dates to the calendar-view.

Problem, T1: The book-a-room-dialogue window displays all the meeting rooms in the system, not just the ones that are available at the selected time.
Reason: Oversight.
Fix: It's simple, all we have to do is make the system not display the rooms that are already reserved for the given time.

Problem, T3: Should the user be prompted to create a new meeting/appointment by clicking on the calendar?
Answer: Possibly. Perhaps while holding down a modifier key while left-clicking, or through the right-click dialogue?
Fix: Yes.

Problem, T2: A lot of windows.
Reason: Testers reported that the amount of dialogue-windows they had to click through was startling.
Fix: We should investigate if some of the dialogue-windows can be combined or solved in an alternative manner.

Questionnaire Results

After the test was completed, the tester was given the questionnaire found at this subject's (DB) "Øvinger/Øving D2a - Pilottesting" page on itslearning.
Q# is Question number #.
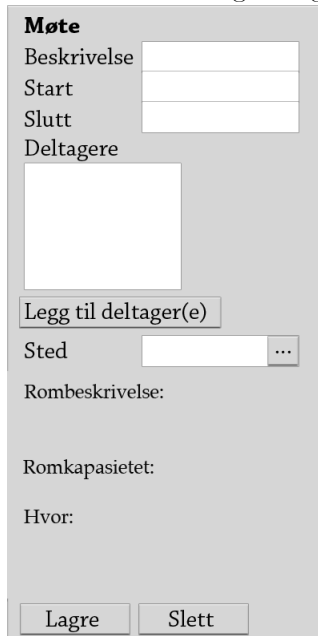A# is how many testers that selected # as their answer to the question.

	A1	A2	A3	A4	A5
Q1	0	0	1	2	0
Q2	1	0	2	0	0
Q3	0	0	0	2	1
Q4	2	1	0	0	0
Q5	0	0	0	1	2
Q6	1	2	0	0	0
Q7	0	0	1	0	2
Q8	2	1	0	0	0
Q9	0	0	1	0	2
Q10	1	2	0	0	0

The Revised Design

Having completed the tests, the following screens have been visually redesigned:

MANGLER: kalender-view med dato på ukedagene og fikset scrollbar

Create-a-meeting dialogue:

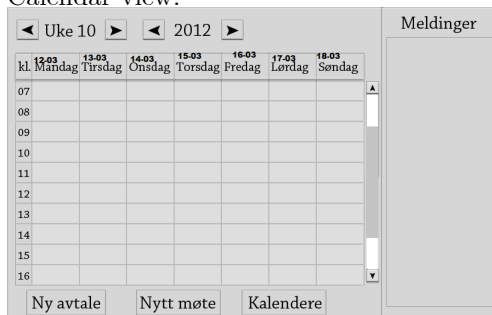**Møte**
Beskrivelse
Start
Slutt
Deltagere

Legg til deltager(e)

Sted   ...

Rombeskrivelse:

Romkapasietet:

Hvor:

Lagre   Slett

Calendar view:

◄ Uke 10 ►   ◄ 2012 ►   Meldinger

kl.	12-03 Mandag	13-03 Tirsdag	14-03 Onsdag	15-03 Torsdag	16-03 Fredag	17-03 Lørdag	18-03 Søndag
07							
08							
09							
10							
11							
12							
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16							

Ny avtale   Nytt møte   Kalendere