

# University Room Booking System

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TDA493, Graphical Interfaces

# Task

Design a University scheduling and room booking system.

# Approach and goals

**Goal:** To design a University room booking system to browse and make bookings in.

**Subgoal:** To design a work environment, rather than a 'portal', where switching between actions is more seamless.

**Subgoal 2:** To design primarily for intermediate users.

# Initial thoughts

A quick genre analysis shows many higher institutions divide the actions of viewing schedules and making bookings, into different portals.

I would like to combine these actions to the same environment.

**Subgoal 3:** Design a system that can both search schedules and make bookings in the same environment.

# Starting off

Before we start off with the full explanation of the design, let's go through some of the background basics of the site.

Firstly, as this aims to be a more sovereign type of site, some parts may initially be unclear for the first time viewer. My hope, however, is that through the use of annotations and explanations over the following slides, questions that arise should get answered somewhere.

Now, let's go through the first frame.

# Empty view

The screenshot shows a web-based room booking system. On the left, there is a sidebar with navigation links for months and weeks, a 'Book Rooms' button, a 'Filter' section with date and time inputs, and dropdown menus for room name, building, floor, minimum seats, and equipment. The main area displays a weekly calendar for 'Week 2, January 2019' from Monday, 14 to Sunday, 20. The calendar grid has hours from 8:00 to 17:00 listed on the right. At the top left of the calendar, there is a 'Booking For' section with a dropdown menu set to 'TDA493, Graphical Interfaces Extra...'. To the right of the calendar, there is a 'Day Week Month Agenda' switcher with 'Week' selected. A blue circle with the number '1' is positioned in the top right corner of the calendar area.

1 This is how annotations are shown.

To the left is an empty week view, including other web elements of the site.

Don't worry. All elements will be explained one after each other.

Do however, put attention, to the four different views (Day, Week, Month, Agenda), as these will be the discussion point of the next slide.

# University Room Booking System (URBS)

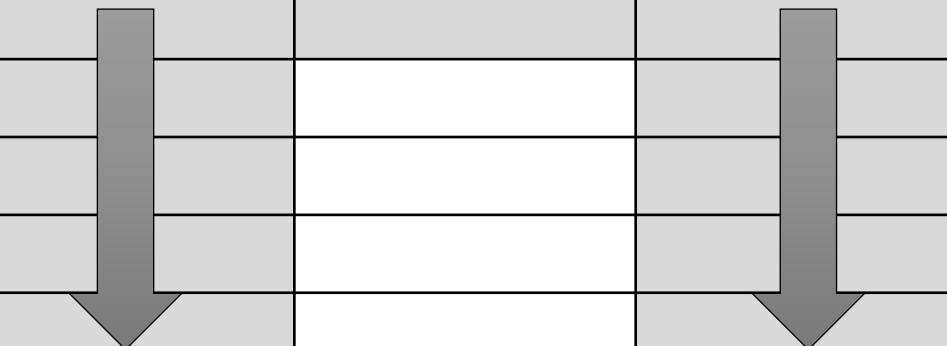
The thought process behind URBS was to integrate the room booking procedure with already-existing calendar design patterns. By situating the solution around these calendars, the idea was that switching between related actions become more seamless.

With this solution comes one challenge, however. As the intended solution is to be embedded within a calendar, a change of view in the calendar (E.g. going from Week to Agenda view) would have to show a similar change in accompanying controls. Put differently, the controls offered need to be contextually aware of how the calendar is presented.

# University Room Booking System (URBS)

Therefore, this presentation will present a prototype in a “TT-shape” where essentially similar functions are presented through two different “funnels”. They both fulfil the same goal, but as they are a bit dissimilar in setup and context, it was decided to include both.

	Day	Week	Month	Agenda
Booking				
Editing				
Deleting				
Combined booking				
Multiple rooms booking				



# Central functions to be presented

## **Booking**

Making a single room booking in the system.

## **Editing**

Editing a single room booking in the system

## **Deleting**

Deleting a single room booking in the system

## **Combined booking**

Making several, chained, bookings for different occasions.

## **Multiple rooms booking**

Making several room bookings for the same occasion.

# Other functions to be presented

*Shown only in Week view*

## + Requesting rooms

How to request special rooms that need to be accepted by a third part.

*Shown only in Agenda view*

## + Adding new calendars

How to search and save new calendars to view and make bookings for.

# General stuff

- There are 6 filter components
- Bookings can have 4 general states

# There are 6 filter components

The screenshot shows a room booking application interface. On the left, there is a sidebar with a date range selector (Week 1 to Week 5), a 'Book Rooms' button, and a 'Filter' section containing:

- 1 Date input: 2019-01-17
- 2 Time range inputs: From 10:15 - To 12:00
- 3 Room name input: Room name
- 4 Building and Floor dropdowns: Building: All, Floor: All
- 5 Minimum seats input: 30
- 6 Equipment dropdown

At the bottom of the sidebar is a 'Find suggestions' button.

The main area features a 'Booking For' section with a dropdown menu showing 'TDA493, Graphical Interfaces Extra...', a 'Combined Booking' checkbox, and a 'Find calendars +' button. Below this is a 'Saved Calendars' section listing 'My Calendar' (green square), 'TDA493, Graphical Interfaces' (yellow square), and 'MPIDE1, Interaction Design Mast...' (blue square).

The central part of the interface is a 'Week 2, January 2019' calendar grid. The grid shows time from 8:00 to 17:00 on days from Monday (14) to Sunday (20). A yellow box highlights a slot on Tuesday 15 from 10:15 to 11:00 labeled 'High'. Another yellow box highlights a slot on Friday 18 from 10:15 to 12:00 labeled 'Jupiter 218'. A grey box on Wednesday 16 is labeled 'Searching'.

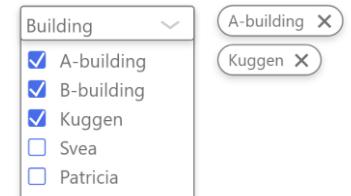
On the right side of the interface, there is a legend for building colors: A-building (blue), B-building (orange), Kuggen (green), Svea (red), and Patricia (purple).

1 This control selects a date for the filter. Pressing it opens a smaller date-selector window (shown later), but date can also be specified by typing it in YYYY-MM-DD.

2 Specifies the time interval for the filter. They are lists that allow for 24 hour inputs in 15 minute increments.

3 Text input to filter suggestions to only include room names that contain the input of this text box.

4 Combo boxes allow for multiple buildings and floors (or equipment) to be specified in the filter.



5 This control specifies the minimum number of seats required for a room. List.

# Bookings can have 4 general states

The screenshot shows a booking calendar interface for Week 2, January 2019. The left panel contains filtering options like 'Booking For' (TDA493), 'Date' (2019-01-17), 'From' (10:15) and 'To' (12:00), 'Room name', 'Building', 'Equipment', and a 'Find suggestions' button. The main calendar grid shows time from 8:00 to 17:00. A booking for 'TDA493' is shown as a grey banner from 10:15 to 11:00 on Monday. On Tuesday, a yellow box labeled 'Searching' covers the same time slot. On Wednesday, a yellow box labeled 'High 10.15-11.00 Suggestion' covers the slot. On Thursday, a yellow box labeled 'Jupiter 218 10.15-12.00' covers the slot, indicating a successful booking.

- 1 State 1: Technically a "placeholder" marker to show a calendar section is under selection. Here, it appears after the user has dragged her mouse from the time she wants to make a booking to the time the booking is ought to go.
- 2 State 2: Once the mouse has been released, the system starts to search for suitable rooms that are fit according to the selected filters in the left pane.
- 3 State 3: After this, the system will suggest a room. The user can fill in some extra details or select another room that fits the filter requirements (More details on a later slide)
- 4 State 4: Successful bookings are coloured in the chosen colour of their calendar, in comparison to the grey background + banner on the other states. This indicates that a booking is confirmed.

Note: Users may choose to click the "find suggestions" button in the left panel, in which state 1 is skipped and goes directly to state 2.

# Week view

- Booking, Editing, Deleting
- Combined booking
- Multiple rooms booking

# Week view

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   Repeat booking  
From  :  To  :   
Room name   
Building    
Minimum seats   
Equipment

**Booking For**  
**1** TDA493, Graphical Interfaces Extra...

**Find calendars +**  
**Saved Calendars**  
My Calendar (Green)  
TDA493, Graphical Interfaces (Yellow)  
MPIDE1, Interaction Design Mast... (Blue)  
**Searched Calendars**  
TDA499, Interaction design Proj... (Green)  
TDE180, Innovative Science (Pink)  
CIA180, Extra Project (Blue)

**Week 2, January 2019**

Mon	Tues	Wed	Thur	Fri	Sat	Sun	
<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	
8.00						8.00	
9.00						9.00	
10.00						10.00	
11.00						11.00	
12.00	Jupiter 218 10.15-12.00 MPIDE1, Interaction	Svea 118 10.15-12.00 My Calendar			Gamma 13.15-15.00 TDE180, Innovative Science		
13.00						13.00	
14.00						14.00	
15.00		High 13.15-15.00 TDA493, Graphical Interfaces	Sa... 16.15 MPID	Ju... 16.15 MPID	Sv... 16.15 MPID	Low 13.15-15.00 My Calendar	15.00
16.00			Svea 218 14.15-17.00 TDE180, Innovative Science				16.00
17.00							17.00

**Find suggestions**

1 A filled week schedule could look something like this.

Occasions are filled with the colour of their calendars, which can be found just right to the filter panel. (Saved Calendars or Searched Calendars, covered later)

# Week view - Booking

◀ January, 2019 ▶

Week 1	31	1	2	3	4	5	6
Week 2	7	8	9	10	11	12	13
Week 3	14	15	16	17	18	19	20
Week 4	21	22	23	24	25	26	27
Week 5	28	29	30	31	1	2	3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date 2019-01-17   
From 10:15 To 12:00  
Room name Room name  
Building Building Floor: All  
A-building  Jupiter  Svea   
Kuggen   
Minimum seats 30  
Equipment Equipment  
Projector

**Find suggestions** 1

**Booking For**  
TDA493, Graphical Interfaces Extra...  
Combined Booking

**Find calendars +**  
**Saved Calendars**  
My Calendar  
TDA493, Graphical Interfaces  
MPIDE1, Interaction Design Mast...  
**Searched Calendars**  
TDA499, Interaction design Proj...  
TDE180, Innovative Science  
CIA180, Extra Project

**Week 2, January 2019** 2

Day Week Month Agenda

Mon	Tues	Wed	Thur	Fri	Sat	Sun	
14	15	16	17	18	19	20	
8:00						8:00	
9:00						9:00	
10:00		Svea 118 10.15-12.00 My Calendar				10:00	
11:00	Jupiter 218 10.15-12.00 MPIDE1, Interaction			Jupiter 218 10.15-12.00 Suggestion		11:00	
12:00						12:00	
13:00		High 13.15-15.00 TDA493, Graphical Interfaces	Sa... 16.15 MPID	Ju... 16.15 MPID	Sv... 16.15 MPID	Low 13.15-15.00 My Calendar	13:00
14:00							14:00
15:00			Svea 218 14.15-17.00 TDE180, Innovative Science				15:00
16:00							16:00
17:00							17:00

**January 17th, 2019 10.15-12.00 10 Rooms found** 3

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres).

Jupiter 219 Jupiter, Floor 2, Li... Jupiter 318 Jupiter, Floor 3, Li... GR-101 G-Building, Floor 2... GR-201 G-Building, Floor 2... GR-202 G-Building, Floor 2... EagleRoom Svea, Floor 1, Lind...

Say a user wants to make a booking for a room between 10.15 to 12.00 in one of the buildings "A-Building", "Jupiter", "Svea" or "Kuggen" with minimum 30 seats, and with a projector.

- 1 By utilizing the filter panel and pressing "Find suggestions", he or she will shortly get a suggestion.
- 2 The first suggestion is shown within the schedule view but is greyed out to mark it is still a suggestion.
- 3 The user can browse and change room if he wants to, but if he is satisfied with the suggestion, he may simply press the "Book" button. (More details on this area in a later slide)

# Week view - Booking

The screenshot shows a week view booking interface for January 2019. The left sidebar contains navigation for months and weeks, a 'Book Rooms' button, a 'Filter' section with date, time range, room name, building, equipment, and minimum seats filters, and a 'Find suggestions' button. The main area displays a weekly grid from Monday 14 to Sunday 20. A 'Booking For' dropdown menu is open, showing 'TDA493, Graphical Interfaces Extra...' selected. The grid shows several bookings: a green box for 'Svea 118' on Tuesday 15, a yellow box for 'Jupiter 218' on Friday 18, and a pink box for 'Gamma' on Saturday 19. A blue circle labeled '1' is placed over the yellow box on Friday 18. A blue circle labeled '2' is placed over the 'Booking For' dropdown. A blue circle labeled '3' is placed over a toast message at the bottom center.

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   Repeat booking  
From  :  To  :   
Room name   
Building    
    
  
Minimum seats   
Equipment

**Booking For**  
2 TDA493, Graphical Interfaces Extra...  
Combined Booking

Find calendars +

Saved Calendars  
My Calendar (Green)  
TDA493, Graphical Interfaces (Yellow)  
MPIDE1, Interaction Design Mast... (Blue)

Searched Calendars  
TDA499, Interaction design Proj... (Green)  
TDE180, Innovative Science (Pink)  
CIA180, Extra Project (Blue)

Mon Tues Wed Thur Fri Sat Sun

14 15 16 17 18 19 20

8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00

**Week 2, January 2019**

Day Week Month Agenda

1 Svea 118 10:15-12:00 My Calendar

1 Jupiter 218 10:15-12:00 TDA493, Graphical Interfaces

1 Gamma 13:15-15:00 TDE180, Innovative Science

1 High 13:15-15:00 TDA493, Graphical Interfaces

1 Svea 218 14:15-17:00 TDE180, Innovative Science

1 Low 13:15-15:00 My Calendar

3 Jupiter 218 booked 17/1 - 2019 at 10.15-12.00 Undo X

- Successful booking are changed to the colour of their calendar.
- In this case the booking turned yellow as the user has selected "TDA493, Graphical Interfaces" under "Booking For".
- Successful bookings are followed by a toast with condensed information about the booking. It appears for a few seconds before it disappears automatically. Users may "undo" to revert a booking during this time slot.

# Week view - Booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   Repeat booking  
From  :  To  :   
Room name   
Building    
    
  
Minimum seats   
Equipment

**Booking For**  
TDA493, Graphical Interfaces Extra...   
Combined Booking

**Find calendars +**

**Saved Calendars**  
 My Calendar  
 TDA493, Graphical Interfaces  
 MPIDE1, Interaction Design Mast...

**Searched Calendars**  
 TDA499, Interaction design Proj...  
 TDE180, Innovative Science  
 CIA180, Extra Project

**Week 2, January 2019**

Mon 14 Tues 15 Wed 16 Thur 17 Fri 18 Sat 19 Sun 20

Day Week Month Agenda

1 Side note: The user could have dragged the intended time slot with his mouse, instead of pressing the "Find Suggestions" button.

# **Week view - Editing**

The screenshot shows a room booking system interface for the week of January 14-20, 2019. The main view is a grid showing room availability from 8:00 AM to 8:00 PM. A tooltip for a booking on Tuesday 15th at 10:15-12:00 shows details for 'Svea 118' (My Calendar). Another tooltip on Wednesday 16th shows a booking for 'Jupiter 218' (TDA493, Graphical Interfaces). A third tooltip on Thursday 17th shows a booking for 'Gamma' (TDE180, Innovative Science) with a modal for editing the booking.

**Booking For:** TDA493, Graphical Interfaces Extra...

**Combined Booking:**

**Find calendars:** +

- Saved Calendars:
  - My Calendar
  - TDA493, Graphical Interfaces
  - MPIDE1, Interaction Design Mast...
- Searched Calendars:
  - TDA499, Interaction design Proj...
  - TDE180, Innovative Science
  - CIA180, Extra Project

**Week 2, January 2019**

**Day Week Month Agenda**

Mon	Tues	Wed	Thur	Fri	Sat	Sun
14	15	16	17	18	19	20

**Book Rooms**

**Filter**

TDA493, Graphical Interfaces

Date: 2019-01-17

From: 10:00 - To: 12:00

Room name: Room name

Building: Building, Floor: All

A-building: Jupiter, Svea, Kuggen

Minimum seats: 30

Equipment: Equipment

Projector

**Find suggestions**

**January 17th, 2019** 10.15-12.00 10 Rooms found

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres)

Current booking: 3

Rooms listed: Jupiter 218, Jupiter 318, GR-101, GR-201, GR-202, EagleRoom

Buttons: Book Selected

- 1 Side note: If the user would change his or her mind, he or she may reach the room information by clicking on the booking in the calendar.

Here, the booking may be edited or cancelled.

- 2 In this mode, buttons are changed to reflect their meaning in their current state.

“Cancel booking” cancels the selected occasion.

"Save" saves the current occasion and information.  
(Changed from "Book")

- 3 The current booking is automatically marked as selected, but users may select others.

# Week view - Editing

**Booking For**

**TDA493, Graphical Interfaces Extra...**

Combined Booking

Find calendars +

Saved Calendars

- My Calendar
- TDA493, Graphical Interfaces
- MPIDE1, Interaction Design Mast...

Searched Calendars

- TDA499, Interaction design Proj...
- TDE180, Innovative Science
- CIA180, Extra Project

Mon 14 Tues 15 Wed 16 Thur 17 Fri 18 Sat 19 Sun 20

**1 Week 2, January 2019**

Day Week Month Agenda

From: 10:00 To: 12:00 Room name: Building: A-building Jupiter Svea Kuggen Minimum seats: 30 Equipment: Projector Find suggestions

January 17th, 2019 10:15-12:00 10 Rooms found

Deselected Jupiter 218 Jupiter, Floor 2, Li... Jupiter 219 Jupiter, Floor 3, Li... GR-101 G-Building, Floor 2... GR-201 G-Building, Floor 2... GR-202 G-Building, Floor 2... EagleRoom Svea, Floor 1, Lind... Book Selected

1 Selecting another room adds a slight overlay on the previous room.

The booking is now only deselected and has not undergone change within the system's database.

By clicking "Save", the previous room booking is cancelled, and the occasion changes its room.

# **Week view – Requested bookings**

**Book Rooms**

**Filter**

TDA493, Graphical Interfaces

Date  
2019-01-17

From  :  - To  :

Room name

Building

Minimum seats

Equipment

**Find suggestions**

◀ January, 2019 ▶
**Booking For**

Combined Booking 
**Week 2, January 2019**
Day Week Month Agenda

	Mon	Tues	Wed	Thur	Fri	Sat	Sun
	14	15	16	17	18	19	20
8.00							8.00
9.00							9.00
10.00							10.00
11.00							11.00
12.00							12.00
13.00							13.00
14.00							14.00
15.00							15.00
16.00							16.00
17.00							17.00

**Find calendars +**

**Saved Calendars**

My Calendar

TDA493, Graphical Interfaces

MPIDE1, Interaction Design Mast...

**Searched Calendars**

TDA499, Interaction design Proj...

TDE180, Innovative Science

CIA180, Extra Project

**January 17th, 2019 10.15-12.00 10 Rooms found**

- Book multiple rooms
- Suggest only rooms within walking distance (500 Metres).

Pluto, Floor 2, Lin...

Plutona, Floor 5, Lind...

1

**Pluto 218 R**  
10.15-12.00  
*Suggestion*

**Pluto 2018** *Suggestion, Need Requesting*

09.00 **Floor:** 2

10.00 **Seats:** 30

10.00 **Building:** Pluto

10.00 **Campus:** Lindholmen

10.00 **Owner:** MMS

**Equipment**

11.00 *Projector, TV*

**AKG880, ...**  
13.15-15.00

- 1 Sometimes, the system may propose rooms that need to be requested. It shouldn't be the systems first options, but some rooms may be special, owned by another institution or have other rules that require that some other agent manually accepts a request to book a room.  
These are marked with an "R" for "Request Needed".

This solution will probably require learning, but as the intended audience is intermediates, this was a compromise that was let through as other solutions would have required more screen estate.

# Week view – Requested bookings

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   
From  :  To  :   
Room name   
Building    
   
Minimum seats   
Equipment

**Find suggestions**

**Booking For**  
TDA493, Graphical Interfaces Extra...

**Find calendars +**  
Saved Calendars  
 My Calendar  
 TDA493, Graphical Interfaces  
 MPIDE1, Interaction Design Mast...  
  
Searched Calendars  
 TDA499, Interaction design Proj...  
 TDE180, Innovative Science  
 CIA180, Extra Project

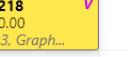
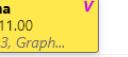
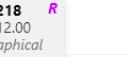
8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00

Mon 14 Tues 15 Wed 16 Thur 17 Fri 18 Sat 19 Sun 20

◀ Week 2, January 2019 ▶

Day Week Month Agenda

8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00

1   
2   


1 Requested bookings that have been verified are changed to look like other successful bookings, but with the "R" changed to "V" for Verified to remind the user of its special status.

2 Bookings that are still on hold keep their grey background + coloured banner to indicate that they haven't been handled yet.

# Week view – Combined bookings

The screenshot shows a booking interface for the week of January 14-20, 2019. On the left, there's a sidebar with a calendar navigation bar and a 'Book Rooms' button. Below it are various filters: Date (2019-01-17), Time (From 10:00 to 12:00), Room name, Building, Minimum seats (70), Equipment, and a TV icon. A 'Find suggestions' button is at the bottom. The main area has a 'Booking For' section with a dropdown set to 'TDA493, Graphical Interfaces Extra...', a 'Combined Booking' checkbox checked (marked with a blue circle 1), and sections for 'Find calendars', 'Saved Calendars' (My Calendar, TDA493, MPIDE1), and 'Searched Calendars' (TDA499, TDE180, CIA180). The central part is a grid showing time slots from 8:00 to 17:00 across Monday through Sunday. On Tuesday 15th, there are three overlapping booking requests: a yellow 'Waiting...' box from 10:00 to 11:00, another yellow 'Waiting...' box from 11:00 to 12:00, and a grey 'Searching' box from 11:00 to 12:00. The top right of the grid has buttons for 'Day', 'Week' (highlighted in blue), 'Month', and 'Agenda'.

Suppose a user would like to make three bookings in total on three different days, but where the bookings should be as similar as possible to each other over the days.

- 1 By having the "Combined Booking" checkbox checked, the user can quickly set up for numerous occasions.

In doing this, the system will try extra well to adapt to give and propose rooms that fit well over the selected days and time slots.

# Week view – Combined bookings

The screenshot shows a week view calendar for January 2019. The left sidebar contains a navigation menu for the month, a 'Book Rooms' button, a 'Filter' section with date, time, room name, building, equipment, and minimum seats filters, and a 'Find suggestions' button. The main area displays a grid for the week from Monday 14 to Sunday 20. A specific booking for 'TDA493, Graphical Interfaces Extra...' is highlighted in yellow across three occasions (14, 15, 16) and three days (Monday, Tuesday, Wednesday). A tooltip '1' points to the booking entry for Monday 14. Another tooltip '2' points to the list of rooms found for the selected occasion on Wednesday 16.

**Booking For**  
TDA493, Graphical Interfaces Extra...  
Combined Booking  3 Occasions, 3 Days

**Find calendars +**  
Saved Calendars  
My Calendar  
TDA493, Graphical Interfaces  
MPIDE1, Interaction Design Mast...

**Searched Calendars**  
TDA499, Interaction desi...  
TDE180, Innovative Scien...  
CIA180, Extra Project

**High Suggestion - Occasion #1**

**TDA493...** Book

Floor: 2 Seats: 70 Building: Kuggen Campus: Lindholmen Owner: CSE Equipment Projector, TV, Xbox

Activity Activity... Comments Comments...

**High #1 10.15-11.00 Suggestion**

**High #2 10.15-11.00 Suggestion**

**High #3 10.15-11.00 Suggestion**

**January 17th, 2019 10.15-12.00 10 Rooms found**

Occasion #1 Book Selected Book All Occasions (3)

Day Week Month Agenda

Mon 14 Tues 15 Wed 16 Thur 17 Fri 18 Sat 19 Sun 20

8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00

From 10:00 To 11:00 Room name Building Equipment TV Find suggestions

Book multiple rooms Suggest only rooms within walking distance (500 Metres).

1 After a brief moment of inactivity, the specific room window appears on the first occasion set up for.

Users can navigate between them using the left and right arrows.

2 Hint is given under the selected room to hint where in the procedure the user is in.

# Week view – Combined bookings

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date 2019-01-17   
From 10:15 - To 11:00  
Room name Room name  
Building Building: All Floor: All  
Minimum seats 70  
Equipment Equipment

**Find suggestions**

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres).

**Booking For**  
TDA493, Graphical Interfaces Extra...  
Combined Booking  3 Occasions, 3 Days

**Find calendars +**  
Saved Calendars  
My Calendar  
TDA493, Graphical Interfaces  
MPIDE1, Interaction Design Mast...

**Searched Calendars**  
TDA499, Interaction design Proj...  
TDE180, Innovative Science  
CIA180, Extra Project

**Week 2, January 2019**

Mon 14 Tues 15 Wed 16 Thur 17 Fri 18 Sat 19 Sun 20

8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00

High #1 10.15-11.00 TDA493, Graph... High #2 10.15-11.00 Suggestion

High Suggestion - Occasion #2  
TDA493... Book  
Floor: 2 Seats: 70 Building: Kuggen Campus: Lindholmen Owner: CSE Equipment Projector, TV, Xbox Activity Activity... Comments Comments... CSE001, ... 15.15-17.00 Book

High booked 15/1 - 2019 at 10.15-11.00 Undo X

January 17th, 2019 10.15-12.00 10 Rooms found  
High Kuggen, Floor 2, Li... Low Kuggen, Floor2, Li... GE100 G-Building, Floor 2... GE101 G-Building, Floor 2... LUX101 Svea, Floor 2, Lind... LUX202 R Svea, Floor 1, Lind... Occasion #2 Book Selected Book All Occasions (3) 1

- 1 Users can decide to book all rooms one by one, but if all the suggestions seem good, pressing the "Book All Occasions" button books all occasions in one go.

# Week view – Combined bookings

The screenshot shows a week view calendar for January 2019. The left sidebar contains booking filters for date (2019-01-17), time (From 10:00 To 11:00), room name, building, minimum seats, equipment, and a TV button. The main area displays a grid from Monday, January 14, to Sunday, January 20, with hours from 8:00 to 17:00. Three overlapping yellow boxes represent combined bookings for room 'High' on January 15, 16, and 17, all from 10:15 to 11:00. A toast message at the bottom left states: "[Combined booking] High booked on 3 dates at 10.15-12.00 Undo X". Another toast message below it states: "[Combined booking] 3 rooms booked on 3 dates at 10.15-12.00 Undo X". The top right corner of the calendar header has tabs for Day, Week, Month, and Agenda.

1 After all bookings are handled, they look like normal and are untied if one would be cancelled, edited and so forth.

2 As all suggestions are the same room, the toast message keeps as much direct detailed information as possible (See top toast).

If the rooms would have been different, the information is generalized. (See bottom toast)

Note: Only one of these toasts would be shown to the user. They are put together for demonstration purposes.

# Week view – Combined bookings

The screenshot shows a week view calendar for January 2019. The left sidebar contains a date picker, a 'Book Rooms' button, a 'Filter' section with a dropdown for 'TDA493, Graphical Interfaces', a date range from '2019-01-17' to '2019-01-18', and filters for 'From' (10:00), 'Room name', 'Building' (All), 'Minimum seats' (70), 'Equipment', and a 'TV' button. A 'Find suggestions' button is at the bottom.

The main area shows a grid for 'Week 2, January 2019' from Monday 14 to Sunday 20. The y-axis represents time from 8:00 to 17:00. Several booking slots are visible, some with status indicators like 'Waiting...' or 'Searching'. A tooltip '1' points to a repeat booking dialog for 'TDA493, Graphical Interfaces Extra Project' on Tuesday 15, which includes a checkbox for 'Repeat booking' and a dropdown for 'Every Tuesday for 2 weeks'. A tooltip '2' points to a 'Searching' status indicator on Wednesday 16.

1 Side note: The user may also do multiple bookings in the date picker by clicking repeated booking.

However, in the current design iteration, they would have to be on the same time of the day, if not manually changed later.

2 Side note 2: Unfinished bookings can be altered time-wise by dragging them around in the calendar.

This applies for all types of bookings. In doing this, the system may propose a new room.

# **Week view – Multiple rooms bookings**

The screenshot shows a room booking system interface. On the left, there's a sidebar with a navigation bar for weeks 1-5 of January 2019, a 'Book Rooms' button, and a 'Filter' section with various search criteria like date, time, room name, building, and equipment. Below the filter is a 'Find suggestions' button. The main area is a calendar grid for Week 2, January 2019, from Monday 14 to Sunday 20. The grid shows time slots from 8:00 to 17:00. A tooltip '10.15-12.00 5 Bookings Suggestions' appears over a slot on Tuesday 15. At the bottom, a summary for January 17th shows 10 rooms found, and a list of rooms is displayed with checkboxes and a 'Book Selected' button.

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Booking For**

TDA493, Graphical Interfaces Extra...

Combined Booking

Find calendars +

Saved Calendars

My Calendar

TDA493, Graphical Interfaces

MPIDE1, Interaction Design Mast...

Searched Calendars

TDA499, Interaction design Proj...

TDE180, Innovative Science

CIA180, Extra Project

**Week 2, January 2019**

Day Week Month Agenda

Mon Tues Wed Thur Fri Sat Sun

14 15 16 17 18 19 20

8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00

10.15-12.00  
5 Bookings  
Suggestions

From To

Room name

Building

Building: All Floor: All

Minimum seats 70

Equipment

Equipment

TV X

Find suggestions

1

✓ Book multiple rooms 5 Rooms  
✗ Suggest only rooms within walking distance (500 Metres).

January 17th, 2019 10.15-12.00 10 Rooms found

Jupiter 219 Jupiter, Floor 2, Li... Jupiter 318 Jupiter, Floor 3, Li... GR-101 G-Building, Floor 2... GR-201 G-Building, Floor 2... GR-202 G-Building, Floor 2... EagleRoom Svea, Floor 1, Lind...

2

Book Selected

*Suppose a user would want to book several rooms for the same occasion. It could be for e.g. group work, or other things.*

- ① By checking the "Book multiple rooms" checkbox, the user can specify how many rooms he or she wants and get suggestions that fit well together.
  - ② As more than one rooms can now be selected, the previous radio buttons are changed to checkboxes.

If more/less rooms than specified are checked, system may allow it but will not search for better fits unless the specification in ① also change.

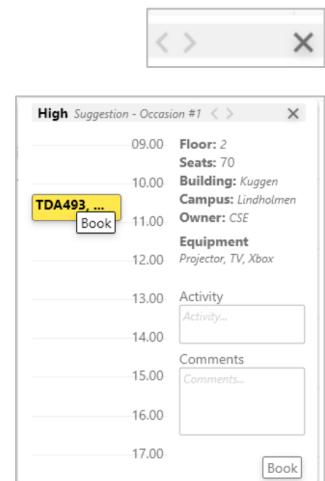
# Week view – Multiple rooms bookings

The screenshot shows a week view calendar for January 2019. The left sidebar contains a navigation menu with links for January 2019, Week 1 through Week 5, and a 'Book Rooms' button. Below it is a 'Filter' section with fields for Date (2019-01-17), Time (From 10:00 To 12:00), Room name, Building, Minimum seats, Equipment, and TV status. A 'Find suggestions' button is at the bottom. The main area displays a grid from Monday, January 14, to Sunday, January 20, with time slots from 8:00 to 17:00. A yellow booking window is open for Tuesday, January 15, from 10:15 to 12:00, labeled '1'. Inside this window, it says '10.15-12.00 5 Bookings'. At the bottom of the grid, a message states '5 rooms booked 17/1 - 2019 at 10.15-12.00' with 'Undo' and 'X' buttons.

1 Successful bookings look like they are "stacked" on top of each other.

Since there are now more rooms than 1 booked, the area that would contain the room name now contains how many rooms are booked for the occasion.

Each room can be reached using the left and right arrows in the specified room window.



End of Week view

# Agenda view

- Booking, Editing, Deleting
- Multiple rooms booking
- Repeated bookings
- Adding new calendars
- Handling suggestions

# Agenda view

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   Repeat booking  
From  :  To  :   
Room name   
Building    
Minimum seats   
Equipment

**Booking For**  
 TDA493, Graphical Interfaces Extra...   
 Combined Booking

**Agenda**

Time	Calendar	Room	Activity	Seats	Comments	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	60	Course Introduction	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	65	Exam info session and...	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	75	Read Ch 1-2	Projector
<b>Thur 24/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	50	Bring your textbooks	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	50	Read Ch 3-5	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	70	-	TV, Projector, HTC Vive
<b>Fri 25/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	75	Program Information	Projector
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	70	Read Ch 6	TV, Projector, HTC Vive
<b>Mon 28/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter109	-	60	Program Information	-
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	70	Read Ch 7-8	TV, Projector, HTC Vive
<b>Wed 30/1 - 2019</b>						

This is how a filled agenda view could look like.

Agenda view is special in the sense that empty time slots and days are omitted in favour for more easily accessible information. The idea is to allow for fast access to an overview over one's bookings and schedule.

# Agenda view

◀ January, 2019 ▶

**Week 1** 31 1 2 3 4 5 6

**Week 2** 7 8 9 10 11 12 13

**Week 3** 14 15 16 17 18 19 20

**Week 4** 21 22 23 24 25 26 27

**Week 5** 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
**Date**  
2019-01-17   Repeat booking  
**From**  :  **To**  :   
**Room name**   
**Building**    
**Minimum seats**   
**Equipment**   
**Find suggestions**

**Booking For**  
 TDA493, Graphical Interfaces Extra...

**Combined Booking**

**Agenda**    **Agenda**

**Find calendars**

**Saved Calendars**  
 My Calendar  
 TDA493, Graphical Interfaces  
 MPIDE1, Interaction Design Mast...

**Searched Calendars**  
 TDA499, Interaction design Proj...  
 TDE180, Innovative Science  
 CIA180, Extra Project

Time	Calendar	Equipment	Building	Floor	Campus	Owner
<b>Tues 22/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Projector	Kuggen	2nd	Lindholmen	CSE
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	TV, Projector, HTC Vive	Kuggen	1st	Lindholmen	CSE
<b>Wed 23/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Projector	Jupiter	1st	Lindholmen	CSE
<b>Thur 24/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Projector	Svea	2nd	Lindholmen	CSE
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Projector	Svea	2nd	Lindholmen	CSE
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	TV, Projector, HTC Vive <small>+5 items</small>	Kuggen	2nd	Lindholmen	CSE
<b>Fri 25/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Projector	Jupiter	1st	Lindholmen	CSE
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	TV, Projector, HTC Vive <small>+5 items</small>	High	2nd	Lindholmen	CSE
<b>Mon 28/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	-	Jupiter	1st	Lindholmen	CSE
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	TV, Projector, HTC Vive <small>+5 items</small>	High	2nd	Lindholmen	CSE
<b>Wed 30/1 - 2019</b>						

Users can scroll horizontally to the right if they need more information about each occasion.

# Agenda view

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   
From  To   
Room name   
Building  Building: All  Floor: All   
Minimum seats  50  
Equipment  Equipment

**Booking For**  
 TDA493, Graphical Interfaces Extra...   
Combined Booking

**Agenda**  Day  Week  Month  Agenda

1

Time	Calendar	Room	Activity	Seats	Comments	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	60	Course Introduction	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	65	Exam info session and...	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	75	Read Ch 1-2	Projector
<b>Thur 24/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	50	Bring your textbooks	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	50	Read Ch 3-5	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	70	-	TV, Projector, HTC Vive
<b>Fri 25/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	75	Program Information	Projector
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	70	Read Ch 6	TV, Projector, HTC Vive
<b>Mon 28/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter109	-	60	Program Information	-
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	70	Read Ch 7-8	TV, Projector, HTC Vive
<b>Wed 30/1 - 2019</b>						

**Find suggestions**

1 Users may also move items within the list to come in the order of their liking. They do this by holding and dragging the item between the horizontal sections.

# Agenda view

◀ January, 2019 ▶

**Week 1** 31 1 2 3 4 5 6

**Week 2** 7 8 9 10 11 12 13

**Week 3** 14 15 16 17 18 19 20

**Week 4** 21 22 23 24 25 26 27

**Week 5** 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-23   Repeat booking  
From  :  To  :   
Room name   
Building    
Minimum seats   
Equipment

**Booking For**  
 TDA493, Graphical Interfaces Extra...   
Combined Booking

**Agenda**     1

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
<b>Thur 24/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Fri 25/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Mon 28/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Wed 30/1 - 2019</b>						

1 After mouse release, the sections move place.

# Agenda view - booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-23   Repeat booking  
From  :  To  :   
Room name   
Building    
Minimum seats   
Equipment

**Booking For**  
 TDA493, Graphical Interfaces Extra...   
Combined Booking

**Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
<b>Thur 24/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Fri 25/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Mon 28/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Wed 30/1 - 2019</b>						

**Find suggestions**

Consider a scenario where a user would like to make a booking the 23<sup>rd</sup> of January between 13.15-15.00, any room at Lindholmen with 50+ seats, and with a projector.

# Agenda view - booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-23  Repeat booking  
From  :  To  :   
Room name   
Building  Floor: All   
Minimum seats   
Equipment  Projector   
  
**Booking For**  
 TDA493, Graphical Interfaces Extra...   
Combined Booking

**Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
<b>Thur 24/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Fri 25/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Mon 28/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Wed 30/1 - 2019</b>						

**Find suggestions**

1 By utilizing the filter-panel, the user sets the date on January 23rd, time from 13.15 to 15.00, checks "All Lindholmen Buildings", 50 seats and a projector.

After pressing "Find suggestions", appropriate suggestions are shown. (See next slide)

# Agenda view - booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date 2019-01-23   
From 13 : 15 - To 15 : 00  
Room name Room name  
Building Building Floor: All  
All Lindholmen Buildings   
Minimum seats 50  
Equipment Equipment  
Projector   
  
**Find suggestions**

**Booking For**  
TDA493, Graphical Interfaces Extra...

**Agenda** Day Week Month Agenda

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Activity...	Presentation	80	Projector, Speakers
<b>Thur 24/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
<b>Fri 25/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive
<b>Mon 28/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive
<b>January 17th, 2019 10.15-12.00 10 Rooms found</b>						
Alfa	Kullagret	GR-101	GR-201	JohanneRoom	EagleRoom	
Svea, Floor 1, Lind...	Kuggen, Floor 2, Li...	G-Building, Floor 2...	G-Building, Floor 2...	Johanneberg, J-Ho...	No Projector, Svea...	

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres).

1 The new suggestion is shown as a new row highlighted, using the colour of their calendar.

Like in the other views, temporary suggestions are shown with a ribbon and grey background to keep consistency. Additional suggestions can also be found underneath.

Pressing "Book" or "Book Selected" completes the booking.

# Agenda view - booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date 2019-01-23   
From 13:15 To 15:00  
Room name Room name  
Building Building Floor: All  
 Minimum seats 50  
Equipment Equipment  
 Find suggestions

**Booking For**  
TDA493, Graphical Interfaces Extra... Combined Booking

**Agenda** Day Week Month Agenda

**Find calendars +**

**Saved Calendars**  
My Calendar (green square)  
TDA493, Graphical Interfaces (yellow square)  
MPIDE1, Interaction Design Mast... (blue square)

**Searched Calendars**  
TDA499, Interaction design Proj... (green square)  
TDE180, Innovative Science (pink square)  
CIA180, Extra Project (blue square) 1

**Tues 22/1 - 2019**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive

**Wed 23/1 - 2019**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Seminar	Presentations groups 1-8, and 12-15	80	Projector, Speakers

**Thur 24/1 - 2019**

10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive

**Fri 25/1 - 2019**

10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive

**Mon 28/1 - 2019**

10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive

**January 17th, 2019** 10.15-12.00 10 Rooms found

Alfa Svea, Floor 1, Lind...	Kullagret Kuggen, Floor 2, Li...	GR-101 G-Building, Floor 2...	GR-201 G-Building, Floor 2...	JohanneRoom Johanneberg, J-Ho...	EagleRoom No Projector, Svea...
--------------------------------	-------------------------------------	----------------------------------	----------------------------------	-------------------------------------	------------------------------------

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres). Book Selected

1 If the text becomes longer than the box available, it will resize.

Note the  icon in the free text entry boxes. It is a pattern found in e.g. Firefox or Google Chrome, meaning a text box is expandable (or retractable) even more using drag.

# Agenda view - booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-23  Repeat booking  
From  :  To  :   
Room name   
Building    
[All Lindholmen Buildings](#)   
Minimum seats   
Equipment   
[Projector](#)   
  
**Find suggestions**

**Booking For**  
 TDA493, Graphical Interfaces Extra...

Combined Booking

**Agenda** Day Week Month Agenda

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Seminar	Presentation groups...	80	Projector, Speakers
<b>Thur 24/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
<b>Fri 25/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive
<b>Mon 28/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive

**2** Alfa booked 23/1 - 2019 at 13.15-15.00 Undo X

1 Successful bookings turn to look like all other bookings, though a small dot in the colour of the calendar will appear for a while to indicate it is a recent booking. This should make it slightly easier to find newly added items in the list.

2 Toast with condensed information about the booking will appear for a few seconds. Users may click "undo" to revert a booking during this time.

# Agenda view - booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-23   Repeat booking  
From  :  To  :   
Room name   
Building    
   
Minimum seats    
Equipment    
   
  
**Find suggestions**

**Booking For**  
 TDA493, Graphical Interfaces Extra...

Combined Booking

**Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	Exam info session and questions	65	TV, Projector, HTC
<b>Wed 23/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Alfa	Seminar	Presentation groups 1-8	80	Projector, Speaker
<b>Thur 24/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	-	70	TV, Projector, HTC
<b>Fri 25/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC
<b>Mon 28/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC

1 Side note: As e.g. comments may become lengthy, they can be fully read by expanding its width by dragging its width further with the mouse.

# Agenda view - booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date 2019-01-23   
From 13:15 - To 15:00  
Room name Room name  
Building Building Floor: All  
   
Minimum seats 50  
Equipment Equipment  
   
  
**Booking For**  
TDA493, Graphical Interfaces Extra...

**Agenda**    **Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Seminar	Presentation groups... <small>Presentations groups 1-8</small>	80	Projector, Speakers <input type="button" value="X"/>
<b>Thur 24/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Fri 25/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Mon 28/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive <input type="button" value="+5"/>

**Find suggestions**

1 Side note 2: Another way could be to hover over the description with your mouse.

# Handling suggestions - Details

**Booking For**  
TDA493, Graphical Interfaces Extra... ▾

Combined Booking □

**Agenda**

Day Week Month Agenda

Time	Calendar	Room	Activity	Comments	Seats	Equipment
Tues 22/1 - 2019						
10.15-12.00	<span style="background-color: yellow; border: 1px solid black; padding: 2px;">TDA493, Graphical Interfaces</span>	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	<span style="background-color: green; border: 1px solid black; padding: 2px;">My Calendar</span>	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
Wed 23/1 - 2019						
10.15-12.00	<span style="background-color: yellow; border: 1px solid black; padding: 2px;">TDA493, Graphical Interfaces</span>	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	<span style="background-color: yellow; border: 1px solid black; padding: 2px;">TDA493, Graphical Interfaces</span>	Delta	Activity...	Presentation	80	Projector, Speakers
Thur 24/1 - 2019						
10.15-12.00	<span style="background-color: yellow; border: 1px solid black; padding: 2px;">TDA493, Graphical Interfaces</span>	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	<span style="background-color: yellow; border: 1px solid black; padding: 2px;">TDA493, Graphical Interfaces</span>	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	<span style="background-color: green; border: 1px solid black; padding: 2px;">My Calendar</span>	High	Meeting	-	70	TV, Projector, HTC Vive
Fri 25/1 - 2019						
10.15-12.00	<span style="background-color: blue; border: 1px solid black; padding: 2px;">MPIDE1, Interaction Design Mast...</span>	Jupiter108	-	Program Information	75	Projector
15.15-16.00	<span style="background-color: yellow; border: 1px solid black; padding: 2px;">TDA493, Graphical Interfaces</span>	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive
Mon 28/1 - 2019						
10.15-12.00	<span style="background-color: blue; border: 1px solid black; padding: 2px;">MPIDE1, Interaction Design Mast...</span>	Jupiter109	-	Program Information	60	-
15.15-16.00	<span style="background-color: yellow; border: 1px solid black; padding: 2px;">TDA493, Graphical Interfaces</span>	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive

**January 17th, 2019** 10.15-12.00 10 Rooms found

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres).

**1** **2** Book Selected

No more rooms No more rooms

Seats: 70, Building: Kuggen, Floor: 1, Campus: Lindholmen, Owner: CSE

1 Room suggestions and their room information can be accessed by hovering over the lower text for a while, rather than clicking them to check out.

2 If there would be no more rooms available, a blank space with "No more rooms" is shown instead.

This should be a rare occasion (e.g. all rooms are booked), as if there are no rooms that fulfills the filter, the system should suggest other rooms that fit the specification as close as possible (See next slide)

# Handling suggestions - Details

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date 2019-01-23   
From 13:15 - To 15:00  
Room name Room name  
Building Building Floor: All  
   
Minimum seats 50  
Equipment Equipment  
   
**Find suggestions**

**Booking For**  
TDA493, Graphical Interfaces Extra...

**Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Activity...	Presentation	80	Projector, Speakers
<b>Thur 24/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
<b>Fri 25/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive
<b>Mon 28/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive
<b>January 17th, 2019 10.15-12.00 10 Rooms found</b>						
<input type="checkbox"/> Book multiple rooms	<input checked="" type="radio"/> Skiftnyckeln Svea, Floor 1, Lindholmen	<input type="radio"/> GR-201 G-building, Floor 1, Lindholmen				
<input type="checkbox"/> Suggest only rooms within walking distance (500 Metres).	<input checked="" type="radio"/> Kullagret Kuggen, Floor 2, Lindholmen	<input type="radio"/> JohanneRoom J-House, Floor 1, Johanneberg				
	<input checked="" type="radio"/> Alfa Saga, Floor 1, Lindholmen	<input type="radio"/> EagleRoom No Projector, Svea, Floor 1, Lindholmen				
	<input type="button" value="Book Selected"/>					

1 By utilizing the radio icon buttons, users may choose to receive suggestions by cards (previous slides), sticks or chips.

# Handling suggestions - Details

**Booking For**  
 TDA493, Graphical Interfaces Extra... ▾

**Agenda**

**Day Week Month Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
Tues 22/1 - 2019						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
Wed 23/1 - 2019						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	<input checked="" type="checkbox"/> Book	Alfa	Activity...	Presentation	80	Projector, Speakers
Thur 24/1 - 2019						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
Fri 25/1 - 2019						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive
Mon 28/1 - 2019						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive

**January 17th, 2019 10.15-12.00 10 Rooms found**

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres).

**1**

Alfa  Gamma  Skiftnyckeln  Jupiter 222  EagleRoom !  
 Beta  GR-202  Kullagret  Jupiter 229 !  AnotherRoom !  
 Delta  GR-203  Dragkedjan  JohanneRoom !  SG-298 !

**Find suggestions**

1 Chips gives a more condensed view, providing more suggestions per indexation.

An exclamation mark to the side of the room suggested means it has a quality that breaks at least one of the filter inputs. Information can be found by hovering over them.

# Agenda view - Editing

The screenshot shows a booking application interface with the following sections:

- Booking For:** TDA493, Graphical Interfaces Extra...
- Combined Booking:**
- Find calendars:** +
- Saved Calendars:**
  - My Calendar (green square)
  - TDA493, Graphical Interfaces (yellow square)
  - MPIDE1, Interaction Design Mast... (blue square)
- Searched Calendars:**
  - TDA499, Interaction design Proj... (green square)
  - TDE180, Innovative Science (pink square)
  - CIA180, Extra Project (blue square)
- Time:** Week 1: 31 1 2 3 4 5 6; Week 2: 7 8 9 10 11 12 13; Week 3: 14 15 16 17 18 19 20; Week 4: 21 22 23 24 25 26 27; Week 5: 28 29 30 31 1 2 3.
- Book Rooms:**
- Filter:** TDA493, Graphical Interfaces; Date: 2019-01-23; From: 13:15 - To: 15:00; Room name: Room name; Building: Building; Floor: All; Minimum seats: 50; Equipment: Equipment; Projector: Projector.
- Agenda:** Day | Week | Month | Agenda (selected).

The agenda table shows bookings for four days:

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Seminar	Presentation groups...	80	Projector, Speakers
<b>Thur 24/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
<b>Fri 25/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive
<b>Mon 28/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive

Suppose a program director on a university had planned to hold a program information meeting on either Friday 25/1 or Monday 28/1. Previously, he did not know which day it was going to be, so he booked a room for both days.

He now learned that the information meeting will occur on the 25<sup>th</sup> and wants to 1) edit the activity of the occasion, and 2) delete the booking for Monday 28<sup>th</sup>.

- 1 By hovering with the mouse over an occasion in the agenda view an edit button will appear to the left.

By clicking the edit button, he the program director will be able to make changes.

# Agenda view - Editing

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-23 Repeat booking

From  :  To  :

Room name

Building  Floor: All

All Lindholmen Buildings

Minimum seats

Equipment

Projector

**Booking For**  
 TDA493, Graphical Interfaces Extra...

Combined Booking

**Find calendars +**

**Saved Calendars**  
 My Calendar  
 TDA493, Graphical Interfaces  
 MPIDE1, Interaction Design Mast...

**Searched Calendars**  
 TDA499, Interaction design Proj...  
 TDE180, Innovative Science  
 CIA180, Extra Project

**Agenda** **Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Seminar	Presentation groups...	80	Projector, Speakers
<b>Thur 24/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
<b>Fri 25/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	Meeting	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive
<b>Mon 28/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive
<b>January 17th, 2019</b> 10.15-12.00 10 Rooms found						
<input type="checkbox"/> Book multiple rooms						
<input type="checkbox"/> Suggest only rooms within walking distance (500 Metres).						
Alfa Svea, Floor 1, Lind...	Jupiter108 Jupiter, Floor 2, Li...	GR-101 G-Building, Floor 1...	GR-201 G-Building, Floor 2...	JohanneRoom Johanneberg, J-Ho...	EagleRoom No Projector, Svea...	
Book Selected						

1 The view looks similar to the one when booking from scratch. The "Book" button is however changed to "Save".

The program director adds the text "Meeting" to the Activity column. Then he presses the "Save" button.

# Agenda view - Editing

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-23  Repeat booking

From  :  To  :

Room name

Building

All Lindholmen Buildings

Minimum seats

Equipment

Projector

**Booking For**  
 TDA493, Graphical Interfaces Extra...

Combined Booking

**Find calendars +**

**Saved Calendars**  
 My Calendar  
 TDA493, Graphical Interfaces  
 MPIDE1, Interaction Design Mast...

**Searched Calendars**  
 TDA499, Interaction design Proj...  
 TDE180, Innovative Science  
 CIA180, Extra Project

**Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Seminar	Presentation groups...	80	Projector, Speakers
<b>Thur 24/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
<b>Fri 25/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	Meeting	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive
<b>Mon 28/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive

**1** Jupiter108, 25/1 - 2019 at 10.15-12.00 has been edited

**Find suggestions**

1 The edited booking then turns back to normal.

Toast says the booking has been edited, and the program director can undo the action for a couple of seconds.

# Agenda view - Deleting

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-23  Repeat booking

From  :  To  :

Room name

Building  Floor: All

All Lindholmen Buildings

Minimum seats

Equipment

Projector

**Booking For**  
 TDA493, Graphical Interfaces Extra...   
Combined Booking

**Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Alfa	Seminar	Presentation groups...	80	Projector, Speakers
<b>Thur 24/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Fri 25/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Mon 28/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	- <input type="button" value="X"/>
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive <input type="button" value="+5"/>

**Find suggestions**

After this, the program director wishes to delete the other occasion.

- 1 By pressing the X icon to the right of the booking, the program director will proceed to delete the booking.

# Agenda view - Deleting

The screenshot shows a booking application interface with the following components:

- Left Sidebar:** Displays a calendar for January 2019, showing weeks 1 through 5. It includes a "Book Rooms" button and a "Filter" section with fields for Date (2019-01-23), From (13:15), To (15:00), Room name, Building, Minimum seats (50), Equipment, and Projector.
- Booking For:** A dropdown menu set to "TDA493, Graphical Interfaces Extra...".
- Combined Booking:** An unchecked checkbox.
- Agenda:** A table view showing events across five days. The columns are Time, Calendar, Room, Activity, Comments, Seats, and Equipment.
- Tues 22/1 - 2019:**
  - 10.15-12.00: TDA493, Graphical Interfaces (Low, Lecture) - Course Introduction, 60, Projector
  - 13.15-15.00: My Calendar (Low-2, Seminar) - Exam info session and..., 65, TV, Projector, HTC Vive
- Wed 23/1 - 2019:**
  - 10.15-12.00: TDA493, Graphical Interfaces (Jupiter108, Lecture) - Read Ch 1-2, 75, Projector
  - 13.15-15.00: TDA493, Graphical Interfaces (Alfa, Seminar) - Presentation groups..., 80, Projector, Speakers
- Thur 24/1 - 2019:**
  - 10.15-12.00: TDA493, Graphical Interfaces (Svea220, Workshop) - Bring your textbooks, 50, Projector
  - 13.15-15.00: TDA493, Graphical Interfaces (Svea220, Lecture) - Read Ch 3-5, 50, Projector
  - 15.15-17.00: My Calendar (High, Meeting) - -, 70, TV, Projector, HTC Vive
- Fri 25/1 - 2019:**
  - 10.15-12.00: MPIDE1, Interaction Design Mast... (Jupiter108, Meeting) - Program Information, 75, Projector
  - 15.15-16.00: TDA493, Graphical Interfaces (High, Lecture) - Read Ch 6, 75, TV, Projector, HTC Vive
- Mon 28/1 - 2019:**
  - 15.15-16.00: TDA493, Graphical Interfaces (High, Lecture) - Read Ch 7-8, 70, TV, Projector, HTC Vive

Annotations:

- 1**: A toast message at the bottom center states "Jupiter109 26/1 - 2019 at 10.15-12.00 has been cancelled" with an "Undo" link and a close button.
- 2**: A blue circle with the number 2 is positioned near the deleted event row on Monday.

1 A toast tells the user that the occasion has been cancelled.

Again, the user will have a few seconds available to undo the action.

2 The space of the deleted area is changed to include only a [deleted] mark. This to contextualize which date the deleted occasion was on. This is also kept only for a short duration.

# Agenda view - Deleting

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date 2019-01-23  Repeat booking  
From 13 : 15 - To 15 : 00  
Room name Room name  
Building Building Floor: All   
Minimum seats 50  
Equipment Equipment   
  
**Find suggestions**

**Booking For**  
TDA493, Graphical Interfaces Extra...

**Agenda** Day Week Month **Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Seminar	Presentation groups...	80	Projector, Speakers
<b>Thur 24/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Fri 25/1 - 2019</b>						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	Meeting	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Mon 28/1 - 2019</b>						
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Wed 30/1 - 2019</b>						

1 After a short while, things go back to normal - except with the deleted occasion now fully deleted.

# Agenda view – Adding new calendars

The screenshot shows a booking application interface with the following components:

- Left Sidebar (Filter):** Includes a calendar view for January 2019, a "Book Rooms" button, a "Filter" section with a date range from 2019-01-23 to 2019-01-23, time filters (From 13:15 - To 15:00), room name filter, building filter (All Lindholmen Buildings), minimum seats filter (50), equipment filter (Equipment: Projector), and a "Find suggestions" button.
- Booking For:** A dropdown menu showing "TDA493, Graphical Interfaces Extra...".
- Combined Booking:** An unchecked checkbox.
- Agenda:** A table view showing bookings for various dates in January 2019. The columns are Time, Calendar, Room, Activity, Comments, Seats, and Equipment.
- Tues 22/1 - 2019:**
  - 10.15-12.00: TDA493, Graphical Interfaces, Low, Lecture, Course Introduction, 60, Projector
  - 13.15-15.00: My Calendar, Low-2, Seminar, Exam info session and..., 65, TV, Projector, HTC Vive
- Wed 23/1 - 2019:**
  - 10.15-12.00: TDA493, Graphical Interfaces, Jupiter108, Lecture, Read Ch 1-2, 75, Projector
  - 13.15-15.00: TDA493, Graphical Interfaces, Alfa, Seminar, Presentation groups..., 80, Projector, Speakers
- Thur 24/1 - 2019:**
  - 10.15-12.00: TDA493, Graphical Interfaces, Svea220, Workshop, Bring your textbooks, 50, Projector
  - 13.15-15.00: TDA493, Graphical Interfaces, Svea220, Lecture, Read Ch 3-5, 50, Projector
  - 15.15-17.00: My Calendar, High, Meeting, -, 70, TV, Projector, HTC Vive
- Fri 25/1 - 2019:**
  - 10.15-12.00: MPIDE1, Interaction Design Mast..., Jupiter108, Meeting, Program Information, 75, Projector
  - 15.15-16.00: TDA493, Graphical Interfaces, High, Lecture, Read Ch 6, 75, TV, Projector, HTC Vive
- Mon 28/1 - 2019:**
  - 15.15-16.00: TDA493, Graphical Interfaces, High, Lecture, Read Ch 7-8, 70, TV, Projector, HTC Vive
- Wed 30/1 - 2019:** (No visible bookings)

Consider teacher Yang realises that she is going to hold a course in "Human-Centred Design" and has to make bookings for the course.

The course is however not added to her saved calendars, so before she can do that, she wants to find the course and add it to her repository.

- 1 By pressing "Find calendars", a small window opens where the user can find new calendars to browse and see.

# Agenda view – Adding new calendars

The screenshot shows a booking interface with a sidebar for filtering and a main area for viewing and adding agendas.

**Booking For:** TDA493, Graphical Interfaces Extra...

**Agenda:** Day Week Month Agenda (selected)

**Find calendars +**

- Saved Calendars:
  - My Calendar
  - TDA493, Graphical Interfaces
  - MPIDE1, Interaction Design
- Searched Calendars:
  - TDA499, Interaction Design
  - TDE180, Innovation
  - CIA180, Extra Pro

**Search Course:** Search... Add

**Agenda Data:**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
13.15-15.00	TDA493, Graphical Interfaces	Alfa	Seminar	Presentation groups...	80	Projector, Speakers
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	Workshop	Bring your textbooks	50	Projector
15.15-16.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive

**Fri 25/1 - 2019:**

10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	Meeting	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	75	TV, Projector, HTC Vive

**Mon 28/1 - 2019:**

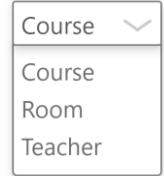
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive
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**Wed 30/1 - 2019:**

15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive
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**Buttons:** Book Rooms, Find suggestions

1 In this view, Yang can search for calendars by course name, room name and teacher name.



This will show the specific schedule for the selected course, room or teacher.

# Agenda view – Adding new calendars

The screenshot shows a booking application interface with a search overlay. The main area displays an agenda view with a table of events. The table columns are: Time, Calendar, Room, Activity, Comments, Seats, and Equipment.

Time	Calendar	Room	Activity	Comments	Seats	Equipment
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Lecture	Course Introduction	60	Projector
13.15-15.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
15.15-17.00	My Calendar	Alfa	Seminar	Presentation groups...	80	Projector, Speakers
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive

**Booking For:** TDA493, Graphical Interfaces Extra...

**Agenda:** Day Week Month Agenda

**Find calendars +**

**Saved Calendars:** My Calendar, TDA493, Graphical Interfaces, MPIDE1, Interaction Design Master Class

**Searched Calendars:** TDA486, Human-Centred Design, MPP026, Human Factors in product..., TDR088, Human Robotics

**Filter:** TDA493, Graphical Interfaces, Date: 2019-01-23, From: 13:15, To: 15:00, Room name: Room name, Building: All Lindholmen Buildings, Minimum seats: 50, Equipment: Projector

**Find suggestions:**

1 Yang searches for courses containing "Human" in its course name and selects "TDA486, Human-Centred Design". She then presses "Add".

# Agenda view – Adding new calendars

The screenshot shows the Agenda view interface. On the left, there are booking filters: a week calendar from January 2019, a 'Book Rooms' button, a 'Filter' section with 'TDA493, Graphical Interfaces' selected, date and time filters ('From 13:15 - To 15:00'), room name, building, equipment, and a 'Find suggestions' button. In the center, the 'Booking For' dropdown is set to 'TDA493, Graphical Interfaces Extra...'. The 'Agenda' tab is selected in the top right. The main area displays a grid of events across several days:

Time	Calendar	Room	Activity	Comments	Seats	Equipment
Tues 22/1 - 2019						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
Wed 23/1 - 2019						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
Thur 24/1 - 2019						
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
Fri 25/1 - 2019						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	70	TV, Projector, HTC Vive
Mon 28/1 - 2019						
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive
Wed 30/1 - 2019						

This adds the course to the list of "Searched Calendars".

- 1 The course is saved to future sessions (to "Saved Calendars") by hovering over it, and clicking "Save calendar".

# Agenda view – Adding new calendars

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-23  Repeat booking  
From  :  To  :   
Room name   
Building  Floor: All   
   
Minimum seats    
Equipment

**Booking For**  
 TDA493, Graphical Interfaces Extra...   
Combined Booking

**Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Tues 22/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
<b>Thur 24/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Fri 25/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	75	Projector
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Mon 28/1 - 2019</b>						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-
15.15-16.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	High	Lecture	Read Ch 7-8	70	TV, Projector, HTC Vive <input type="button" value="+5"/>
<b>Wed 30/1 - 2019</b>						

This adds the course to the list of "Saved calendars".

# Agenda view – Multiple rooms booking

The screenshot shows a booking application interface with the following components:

- Booking For:** A dropdown menu set to "TDA486, Human-Centered Design".
- Combined Booking:** An option to combine bookings.
- Find calendars +**: Buttons for "Saved Calendars" and "Searched Calendars".
- Saved Calendars:** Includes "My Calendar" (green), "TDA493, Graphical Interfaces" (yellow), "MPIDE1, Interaction Design Mast..." (blue), and "Human-Centered Design" (orange).
- Searched Calendars:** Includes "TDA499, Interaction design Proj..." (green), "TDE180, Innovative Science" (pink), and "CIA180, Extra Project" (blue).
- Filter:** Options for Date (2019-01-23), From (13:15), To (15:00), Room name, Building, Minimum seats (50), Equipment (Projector), and a "Find suggestions" button.
- Agenda:** A table showing bookings for various dates and times. The columns are: Time, Calendar, Room, Activity, Comments, Seats, and Equipment.
- Weeks Overview:** A sidebar showing the weeks from January 1st to January 31st.

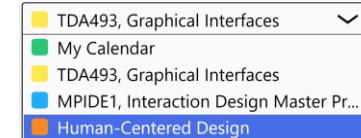
Time	Calendar	Room	Activity	Comments	Seats	Equipment	
Tues 22/1 - 2019	10.15-12.00 13.15-15.00	TDA493, Graphical Interfaces My Calendar	Low Low-2	Lecture Seminar	Course Introduction Exam info session and...	60 65	Projector TV, Projector, HTC Vive
Wed 23/1 - 2019	10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
Thur 24/1 - 2019	10.15-12.00 13.15-15.00 15.15-17.00	TDA493, Graphical Interfaces TDA493, Graphical Interfaces My Calendar	Svea220 Svea220 High	Workshop Lecture Meeting	Bring your textbooks Read Ch 3-5 -	50 50 70	Projector Projector TV, Projector, HTC Vive
Fri 25/1 - 2019	10.15-12.00 15.15-16.00	MPIDE1, Interaction Design Mast... TDA493, Graphical Interfaces	Jupiter108 High	- Lecture	Program Information Read Ch 6	75 70	Projector TV, Projector, HTC Vive
Mon 28/1 - 2019	10.15-12.00 15.15-16.00	MPIDE1, Interaction Design Mast... TDA493, Graphical Interfaces	Jupiter109 High	- Lecture	Program Information Read Ch 7-8	60 70	- TV, Projector, HTC Vive
Wed 30/1 - 2019							

As the course is now added to one of the “Saved Calendars”, Yang now wishes to make bookings.

The first thing Yang wants to do is to make a booking of 5 rooms simultaneously to be used in an exercise. These are to be used by different groups of students in the course.

The date is supposed to be on January 21<sup>st</sup>, between 10.15-12.00 with minimum 8 seats in each room.

- 1 Yang selects the new course under “Booking For”, which will make all new bookings fall under the Human-Centered Design Calendar.



# Agenda view – Multiple rooms booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date 2019-01-21   
From 10:15 To 12:00  
Room name Room name  
Building Building: All Floor: All  
Minimum seats 8  
Equipment Equipment  
 TV

**Booking For**  
TDA486, Human-Centered Design  
Combined Booking

**Agenda** Day Week Month Agenda

Time	Calendar	Room	Activity	Comments	Seats	Equipment							
Mon 21/1 - 2019	10.15-12.00 TDA486, Human-Centered Design	RGX108	-	-	8	TV							
Tues 22/1 - 2019	10.15-12.00 TDA493, Graphical Interfaces	Low	Lecture										
	13.15-15.00 My Calendar	Low-2	Seminar	Course Introduction	60	Projector							
Wed 23/1 - 2019	10.15-12.00 TDA493, Graphical Interfaces	Jupiter108	Lecture	Exam info session and...	65	TV, Projector, HTC Vive							
Thur 24/1 - 2019	10.15-12.00 TDA493, Graphical Interfaces	Svea220	Workshop	Read Ch 1-2	75	Projector							
	13.15-15.00 TDA493, Graphical Interfaces	Svea220	Lecture	Bring your textbooks	50	Projector							
	15.15-17.00 My Calendar	High	Meeting	Read Ch 3-5	50	Projector							
Fri 25/1 - 2019	10.15-12.00 MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	60	Projector							
	15.15-16.00 TDA493, Graphical Interfaces	High	Lecture	Read Ch 6	65	TV, Projector, HTC Vive							
Mon 28/1 - 2019	10.15-12.00 MPIDE1, Interaction Design Mast...	Jupiter109	-	Program Information	60	-							
January 21st, 2019	10.15-12.00 37 Rooms found	RGX108	R-House, Floor 1, ...	RGX109	R-House, Floor 1, ...	RGX110	R-House, Floor 1, ...	TGX16	R-House, Floor 3, ...	TGX17	R-House, Floor 3, ...	Newton	Svea, Floor 2, Lind...

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres)

**Find suggestions**

1 By utilizing the filter panel to the wanted specification and pressing “Find suggestions”, teacher Yang enters the booking mode.

# Agenda view – Multiple rooms booking

The screenshot shows a user interface for booking multiple rooms. On the left, there's a calendar view for January 2019, a 'Book Rooms' button, a 'Filter' section with date and time inputs (From: 10:00, To: 12:00), and a 'Find suggestions' button. The main area has a 'Booking For' dropdown set to 'TDA486, Human-Centered Design'. The 'Agenda' tab is selected in the top right. The agenda table lists bookings for Mon 21/1 - Fri 25/1. A specific row for Monday is highlighted with an orange border. Below the agenda, a 'Find calendars' section shows saved and searched calendars. At the bottom, a modal window titled 'January 21st, 2019' shows a grid of room suggestions: RGX108, RGX109, RGX110, TGX16, TGX17, and Newton. Five rooms are selected, indicated by checked checkboxes.

**Booking For**  
TDA486, Human-Centered Design

**Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
10.15-12.00	TDA486, Human-Centered Design	RGX108	Group Work	-	8	TV
10.15-12.00	TDA486, Human-Centered Design	RGX109	Group Work	-	8	TV
10.15-12.00	TDA486, Human-Centered Design	RGX110	Group Work	-	8	TV
10.15-12.00	TDA486, Human-Centered Design	TGX16	Group Work	-	10	TV
10.15-12.00	TDA486, Human-Centered Design	TGX17	Group Work	-	10	TV

**Find calendars**

**Saved Calendars**

- My Calendar
- TDA493, Graphical Interfaces
- MPIDE1, Interaction Design Mast...
- Human-Centered Design

**Searched Calendars**

- TDA499, Interaction design Proj...
- TDE180, Innovative Science
- CIA180, Extra Project

**Mon 21/1 - 2019**

10.15-12.00	TDA486, Human-Centered Design	RGX108	Group Work	-	8	TV
10.15-12.00	TDA486, Human-Centered Design	RGX109	Group Work	-	8	TV
10.15-12.00	TDA486, Human-Centered Design	RGX110	Group Work	-	8	TV
10.15-12.00	TDA486, Human-Centered Design	TGX16	Group Work	-	10	TV
10.15-12.00	TDA486, Human-Centered Design	TGX17	Group Work	-	10	TV

**Tues 22/1 - 2019**

10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive

**Wed 23/1 - 2019**

10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
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**Thur 24/1 - 2019**

10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive

**Fri 25/1 - 2019**

10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	70	Projector
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**January 21st, 2019**

22 Rooms found

RGX108 R-House, Floor 1, ...	#1	RGX109 R-House, Floor 1, ...	#2	RGX110 R-House, Floor 1, ...	#3	TGX16 R-House, Floor 3, ...	#4	TGX17 R-House, Floor 3, ...	#5	Newton Svea, Floor 2, Lind...	
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5 Selected

Book Selected

1 Yang then checks the “Book multiple rooms” checkbox and specifies the amount of rooms to 5.

She also checks the “suggest only rooms within walking distance” to get room suggestions that are close to each other.

2 5 rooms are then suggested in accordance with the specification.

# Agenda view – Multiple rooms booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-21   
From  To   
Room name   
Building  Building: All  Floor: All   
Minimum seats  8  
Equipment   
 TV X

**Find suggestions**

**Booking For**  
TDA486, Human-Centered Design   
Combined Booking

**Agenda**  Day  Week  Month  Agenda

Time	Calendar	Room	Activity	Comments	Seats	Equipment												
Mon 21/1 - 2019																		
10.15-12.00	TDA486, Human-Centered Design	RGX108	Group Work	Exercise <input type="checkbox"/> Put on all	8	TV												
10.15-12.00	TDA486, Human-Centered Design	RGX109	Group Work	-	8	TV												
10.15-12.00	TDA486, Human-Centered Design	RGX110	Group Work	-	8	TV												
10.15-12.00	TDA486, Human-Centered Design	TGX16	Group Work	-	10	TV												
10.15-12.00	TDA486, Human-Centered Design	TGX17	Group Work	-	10	TV												
Tues 22/1 - 2019																		
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector												
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive												
Wed 23/1 - 2019																		
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector												
Thur 24/1 - 2019																		
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector												
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector												
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive												
Fri 25/1 - 2019																		
10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	70	Projector												
January 21st, 2019 10.15-12.00 22 Rooms found																		
<input checked="" type="checkbox"/> Book multiple rooms 5 Rooms <input type="button"/> <input checked="" type="checkbox"/> Suggest only rooms within walking distance (500 Metres). <input type="button"/>																		
<table border="1"><tr><td>RGX108 R-House, Floor 1, ...</td><td>#1</td><td>RGX109 R-House, Floor 1, ...</td><td>#2</td><td>RGX110 R-House, Floor 1, ...</td><td>#3</td><td>TGX16 R-House, Floor 3, ...</td><td>#4</td><td>TGX17 R-House, Floor 3, ...</td><td>#5</td><td>Newton Svea, Floor 2, Lind...</td><td></td></tr></table> <input type="button"/> Book Selected							RGX108 R-House, Floor 1, ...	#1	RGX109 R-House, Floor 1, ...	#2	RGX110 R-House, Floor 1, ...	#3	TGX16 R-House, Floor 3, ...	#4	TGX17 R-House, Floor 3, ...	#5	Newton Svea, Floor 2, Lind...	
RGX108 R-House, Floor 1, ...	#1	RGX109 R-House, Floor 1, ...	#2	RGX110 R-House, Floor 1, ...	#3	TGX16 R-House, Floor 3, ...	#4	TGX17 R-House, Floor 3, ...	#5	Newton Svea, Floor 2, Lind...								

1 By clicking the comment area, the user can start typing a comment.

The "Put on all" checkbox is automatically checked, and keeping it checked puts the comment on all accompanying rooms for this occasion. (See next slide)

# Agenda view – Multiple rooms booking

The screenshot shows a user interface for booking multiple rooms. On the left, there's a sidebar with a calendar view for January 2019, a 'Book Rooms' button, a 'Filter' section with a date set to 2019-01-21, time range from 10:00 to 12:00, room name input, building/floor dropdowns, minimum seats dropdown (set to 8), equipment dropdown, and a TV icon. Below these are 'Find suggestions' and 'Book Selected' buttons.

The main area is titled 'Booking For' and shows 'TDA486, Human-Centered Design' selected. It has tabs for 'Day', 'Week', 'Month', and 'Agenda'. The 'Agenda' tab is active, displaying a table of bookings for Mon 21/1 - Fri 25/1/2019. A callout labeled '1' points to the 'Book all' button in the first row of the table.

At the bottom, a summary for 'January 21st, 2019' shows '10.15-12.00 22 Rooms found' with a list of rooms: RGX108, RGX109, RGX110, TGX16, TGX17, and Newton. A 'Book Selected' button is shown with a callout '2'.

Time	Calendar	Room	Activity	Comments	Seats	Equipment
Mon 21/1 - 10.15-12.00	TDA486, Human-Centered Design	RGX108	Group Work	Exercise B	8	TV
10.15-12.00	TDA486, Human-Centered Design	RGX109	Group Work	Exercise B	8	TV
10.15-12.00	TDA486, Human-Centered Design	RGX110	Group Work	Exercise B	8	TV
10.15-12.00	TDA486, Human-Centered Design	TGX16	Group Work	Exercise B	10	TV
10.15-12.00	TDA486, Human-Centered Design	TGX17	Group Work	Exercise B	10	TV
Tues 22/1 - 10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
Wed 23/1 - 10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
Thur 24/1 - 10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
Fri 25/1 - 10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	70	Projector

1 The comment has now been put on all rooms.

By clicking "Book all", all rooms are booked at the same time.

2 Users may also use the "Book selected" button. This is particularly for those occasions where user have been interacting with the lower GUI controls.

3 Side note: The system will allow for selections under or above the specified number in "Book multiple rooms". If the user unchecks one of the 5 suggested rooms, the 4 remaining rooms may still be booked.

However, to get a tailor-made search for 4 (or 6) rooms to book, the user would have to specify that by changing "5 rooms" to "4 rooms" or "6 rooms".

# Agenda view – Multiple rooms booking

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-21   
From  To  10 : 15 - 12 : 00  
Room name   
Building  Building: All  Floor: All   
Minimum seats  8  
Equipment  Equipment  TV

**Booking For**  
 TDA486, Human-Centered Design   
Combined Booking

**Agenda**  Day  Week  Month  Agenda

Time	Calendar	Room	Activity	Comments	Seats	Equipment
10.15-12.00	<input checked="" type="checkbox"/> TDA486, Human-Centered Design	RGX108	Group Work	Exercise B	8	TV
10.15-12.00	<input checked="" type="checkbox"/> TDA486, Human-Centered Design	RGX109	Group Work	Exercise B	8	TV
10.15-12.00	<input checked="" type="checkbox"/> TDA486, Human-Centered Design	RGX110	Group Work	Exercise B	8	TV
10.15-12.00	<input checked="" type="checkbox"/> TDA486, Human-Centered Design	TGX16	Group Work	Exercise B	10	TV
10.15-12.00	<input checked="" type="checkbox"/> TDA486, Human-Centered Design	TGX17	Group Work	Exercise B	10	TV
Mon 21/1 - 2019						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	<input checked="" type="checkbox"/> My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
Tues 22/1 - 2019						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
Wed 23/1 - 2019						
10.15-12.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	<input checked="" type="checkbox"/> TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
15.15-17.00	<input checked="" type="checkbox"/> My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
Thur 24/1 - 2019						
10.15-12.00	<input checked="" type="checkbox"/> MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	70	Projector
Fri 25/1 - 2019						
<input checked="" type="checkbox"/> Book multiple rooms 5 Rooms <input type="button"/>	<input checked="" type="checkbox"/> Suggest only rooms within walking distance (500 Metres) <input type="button"/>					

- 1 After pressing "Book all", the rooms are in the agenda view seen as individual bookings.

# Agenda view – Repeated bookings

The screenshot shows a booking application interface with the following components:

- Left Sidebar:** Displays a calendar for January 2019, showing weeks 1 through 5. It includes a "Book Rooms" button and a "Filter" section.
- Booking For:** A dropdown menu set to "TDA486, Human-Centered Design".
- Combined Booking:** A checkbox checked.
- Agenda:** A table view showing bookings across five days.
- Find calendars:** Buttons for "Find calendars" and "Saved Calendars".
- Saved Calendars:** List of saved calendars: My Calendar, TDA493, Graphical Interfaces, MPIDE1, Interaction Design Mast..., and Human-Centered Design.
- Searched Calendars:** List of searched calendars: TDA499, Interaction design Proj..., TDA493, Graphical Interfaces, and CIA180, Extra Project.
- Time Headers:** Time, Calendar, Room, Activity, Comments, Seats, Equipment.
- Mon 21/1 - 2019:** Five entries for TDA486, Human-Centered Design, RGX108, RGX109, RGX110, TGX16, TGX17, Group Work, Exercise B, 8, TV.
- Tues 22/1 - 2019:** Two entries: 10.15-12.00 for TDA493, Graphical Interfaces, Low, Lecture, Course Introduction, 60, Projector; 13.15-15.00 for My Calendar, Low-2, Seminar, Exam info session and..., 65, TV, Projector, HTC Vive.
- Wed 23/1 - 2019:** One entry for TDA493, Graphical Interfaces, Jupiter108, Lecture, Read Ch 1-2, 75, Projector.
- Thur 24/1 - 2019:** Three entries: 10.15-12.00 for TDA493, Graphical Interfaces, Svea220, Workshop, Bring your textbooks, 50, Projector; 13.15-15.00 for TDA493, Graphical Interfaces, Svea220, Lecture, Read Ch 3-5, 50, Projector; 15.15-17.00 for My Calendar, High, Meeting, -, 70, TV, Projector, HTC Vive.
- Fri 25/1 - 2019:** One entry for MPIDE1, Interaction Design Mast..., Jupiter108, -, Program Information, 70, Projector.

Lastly, Yang is planning to hold 1 lecture every Thursday for 8 weeks. Preferably, they should all begin around 8AM and continue for 2 hours.

- 1 By checking the "Repeat booking" checkbox, Yang will be able to specify how she wants it to be repeated.

# Agenda view – Repeated bookings

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces

Date  
2019-01-17

From  
08 : 15

Room name

Building  
  
Jupiter

Minimum seats  
30

Equipment  
  
Equipment

Find suggestions

**Booking For**  
TDA486, Human-Centered Design   
Combined Booking

**Agenda**  
 Agenda

Time	Calendar	Room	Activity	Comments	Seats	Equipment	
Mon 21/1 - 2019	10.15-12.00	TDA486, Human-Centered Design	RGX108	Group Work	Exercise B	8	TV
	10.15-12.00	TDA486, Human-Centered Design	RGX109	Group Work	Exercise B	8	TV
	10.15-12.00	TDA486, Human-Centered Design	RGX110	Group Work	Exercise B	8	TV
	10.15-12.00	TDA486, Human-Centered Design	TGX16	Group Work	Exercise B	10	TV
	10.15-12.00	TDA486, Human-Centered Design	TGX17	Group Work	Exercise B	10	TV
Tues 22/1 - 2019	10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
	13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
Wed 23/1 - 2019	10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
Thur 24/1 - 2019	10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
	13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector
	15.15-17.00	My Calendar	High	Meeting	-	70	TV, Projector, HTC Vive
Fri 25/1 - 2019	10.15-12.00	MPIDE1, Interaction Design Mast...	Jupiter108	-	Program Information	70	Projector

1 Yang sets the repetition to be every Thursday for 8 weeks.

# Agenda view – Repeated bookings

**Booking For**  
 TDA486, Human-Centered Design

Combined Booking

**Agenda**

Time	Calendar	Room	Activity	Comments	Seats	Equipment
<b>Thur 17/1 - 2019</b>						
08.15-10.00	TDA486, Human-Centered Design	Saga108	Lecture	Course Introduction	60	Projector
<b>Mon 21/1 - 2019</b>						
10.15-12.00	TDA486, Human-Centered Design	RGX108	Group Work	Exercise B	8	TV
10.15-12.00	TDA486, Human-Centered Design	RGX109	Group Work	Exercise B	8	TV
10.15-12.00	TDA486, Human-Centered Design	RGX110	Group Work	Exercise B	8	TV
10.15-12.00	TDA486, Human-Centered Design	TGX16	Group Work	Exercise B	10	TV
10.15-12.00	TDA486, Human-Centered Design	TGX17	Group Work	Exercise B	10	TV
<b>Tues 22/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Low	Lecture	Course Introduction	60	Projector
13.15-15.00	My Calendar	Low-2	Seminar	Exam info session and...	65	TV, Projector, HTC Vive
<b>Wed 23/1 - 2019</b>						
10.15-12.00	TDA493, Graphical Interfaces	Jupiter108	Lecture	Read Ch 1-2	75	Projector
<b>Thur 24/1 - 2019</b>						
08.15-10.00	TDA486, Human-Centered Design	Saga108	Lecture	Chapter 1-2	60	Projector
10.15-12.00	TDA493, Graphical Interfaces	Svea220	Workshop	Bring your textbooks	50	Projector
13.15-15.00	TDA493, Graphical Interfaces	Svea220	Lecture	Read Ch 3-5	50	Projector

**January 24th, 2019** 08.15-10.00 12 Rooms found

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres).

Occasion #2 of 8

**Book Selected** **Book All Occasions (8)**

1 8 suggestions of 8 different occasions are then offered.

Users can decide to book all in one go, or go through them and book them 1-by-1.

2 If one would book them 1-by-1, the specific occasion is marked by a # sign.

End of Agenda view

# Day view

- Booking

# Day view

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date 2019-01-17   
From 10:15 - To 12:00  
Room name Room name  
Building Building Floor: All Jupiter   
Minimum seats 30 Equipment Equipment

**Booking For**  
TDA493, Graphical Interfaces Extra... Combined Booking

**Find calendars +**  
Saved Calendars My Calendar TDA493, Graphical Interfaces MPIDE1, Interaction Design Mast...  
Searched Calendars TDA499, Interaction design Proj... TDE180, Innovative Science CIA180, Extra Project

◀ Thur 17, January 2019 ▶ Day Week Month Agenda

Thur 17

8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00

8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00

Jupiter 218 10.15-12.00 TDA493, Graphical Interfaces

TDA493, ... 10.15-12.00 GSE099, ... 12.15-13.00

09.00 Floor: 2 Seats: 30 Building: Jupiter Campus: Lindholmen Owner: CSE Equipment Projector, Projector2, Projector3, Extralong... Activity Activity... Comments Comments...

Book Book

1 This is how a single booking in day-view could look like. In many ways, it is similar to week view, though it focuses on one day only.

# Day view

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   Repeat booking  
From  :  To  :   
Room name   
Building    
   
Minimum seats   
Equipment   
  
**Find suggestions**

**Booking For**  
TDA493, Graphical Interfaces Extra...   
Combined Booking

**Find calendars +**  
Saved Calendars  
My Calendar  
TDA493, Graphical Interfaces  
MPIDE1, Interaction Design Mast...  
  
Searched Calendars  
TDA499, Interaction design Proj...  
TDE180, Innovative Science  
CIA180, Extra Project

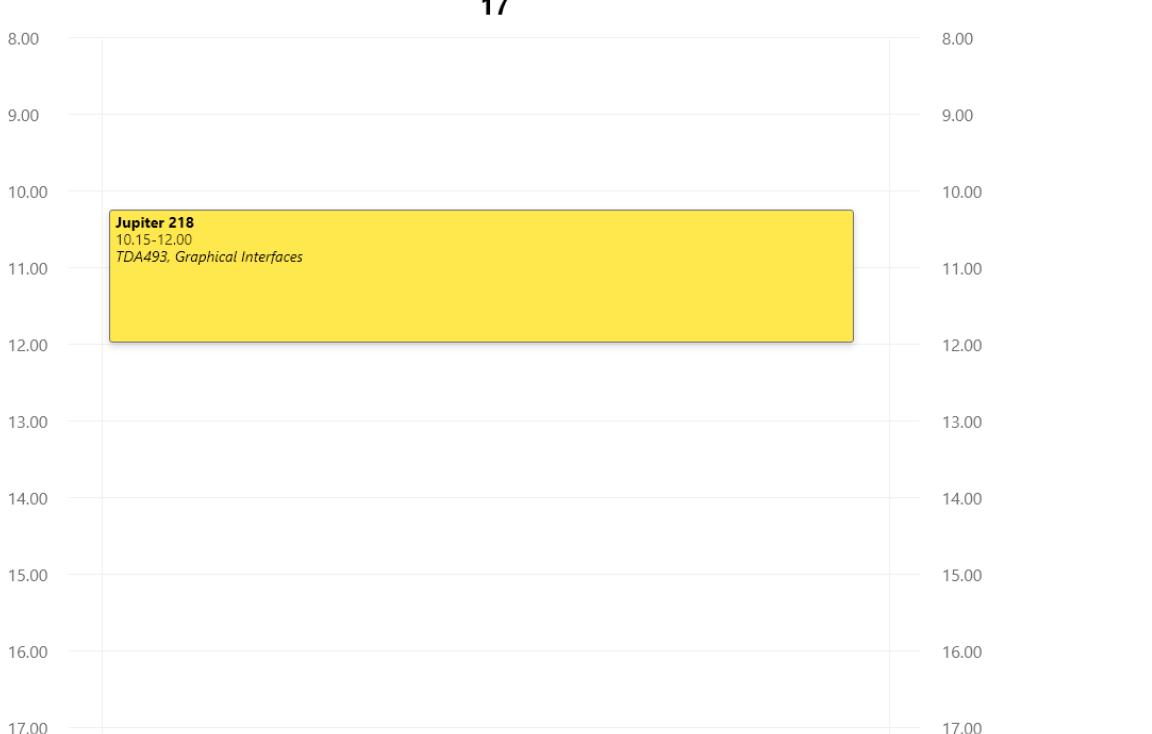
◀ Thur 17, January 2019 ▶

Thur  
17

8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00

8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00

**Jupiter 218**  
10.15-12.00  
TDA493, Graphical Interfaces



- 1 Once a booking is confirmed, they turn into the colour the calendar they belong to.

# Day view

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   Repeat booking  
From  :  To  :   
Room name   
Building    
   
Minimum seats   
Equipment   
  
**Find suggestions**

**Booking For**  
TDA493, Graphical Interfaces Extra...   
 Combined Booking

**Find calendars +**  
Saved Calendars  
My Calendar  
TDA493, Graphical Interfaces  
MPIDE1, Interaction Design Mast...

**Searched Calendars**  
TDA499, Interaction design Proj...  
TDE180, Innovative Science  
CIA180, Extra Project

◀ Thur 17, January 2019 ▶

Thur  
17

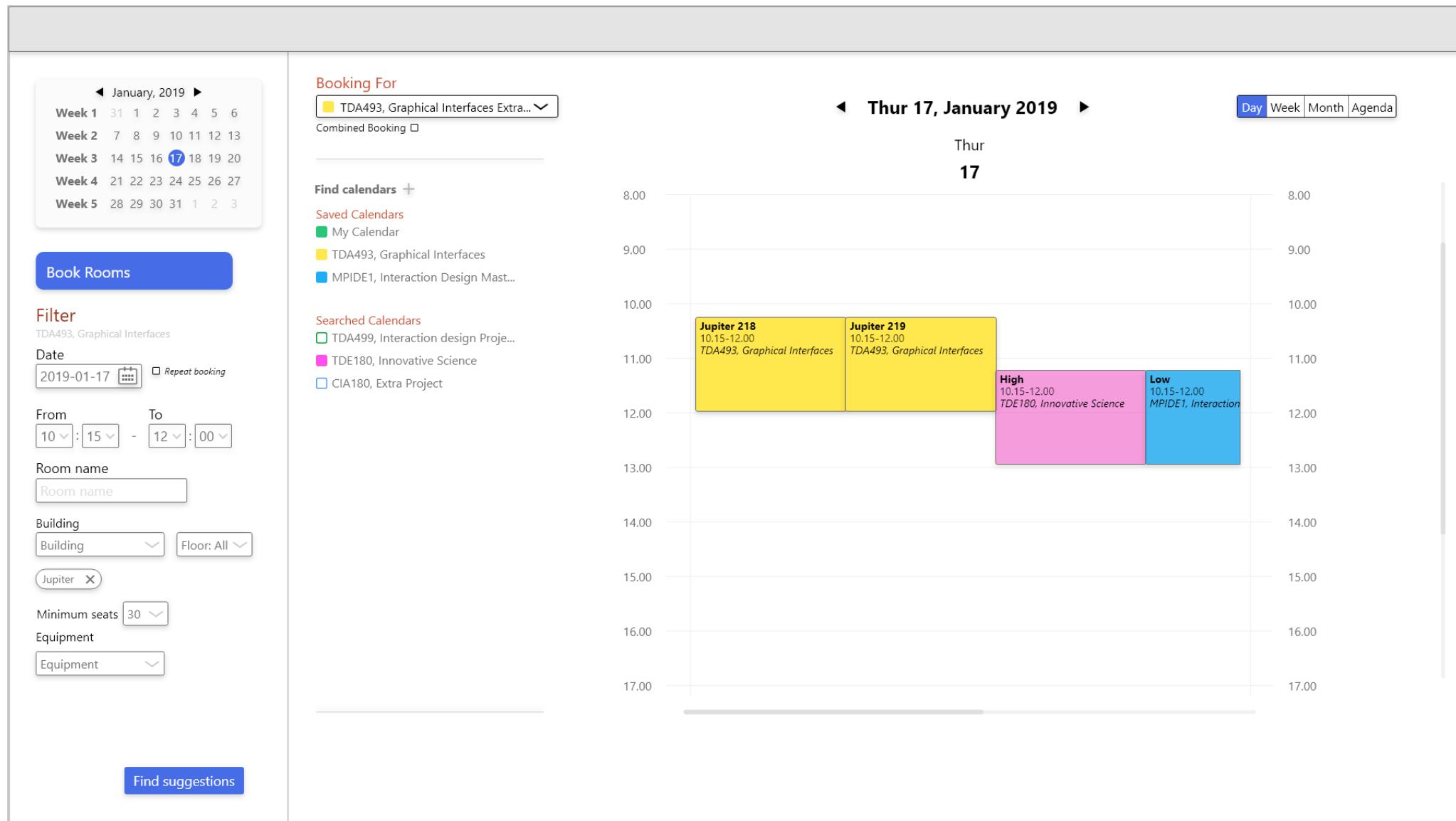
8:00 - 17:00

**Jupiter 218**  
10.15-12.00  
TDA493, Graphical Interfaces

**Jupiter 219**  
10.15-12.00  
TDA493, Graphical Interfaces

**High**  
10.15-12.00  
TDE180, Innovative Science

**Low**  
10.15-12.00  
MPIDE1, Interaction



1 The special thing with day-view is that simultaneous bookings are put next to each other with more space, and rather than cramping them more and more the more bookings are included, the day view lets you see them fully by allowing a horizontal scroll for each day.

The user can adjust their width by holding ctrl + scroll on Windows and cmd + scroll on Mac, which is similar to how one would zoom in and out in e.g. Google Maps.

# Day view

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   
From  To   
Room name   
Building  Building: All  Floor: All   
Minimum seats  30   
Equipment

**Booking For**  
 TDA493, Graphical Interfaces Extra...   
Combined Booking

**Find calendars +** 1

**Saved Calendars**  
 My Calendar  
 TDA493, Graphical Interfaces  
 MPIDE1, Interaction Design Mast...

**Searched Calendars**  
 TDA499, Interaction design Proj...  
 TDE180, Innovative Science  
 CIA180, Extra Project  
 Cooper 200

**Find suggestions**

◀ Thur 17, January 2019 ▶

Day Week Month Agenda

Thur  
17

8:00 - 17:00

8:00 - 9:00

9:00 - 10:00

10:00 - 11:00

11:00 - 12:00

12:00 - 13:00

13:00 - 14:00

14:00 - 15:00

15:00 - 16:00

16:00 - 17:00

**Cooper 200**  
9:15-12:00  
CFE199, Computational Neuroscience  
Peter Michaelson

**Cooper 200**  
15:15-17:00  
MDA800, Gameplay Structures  
Adriana Goodwin

- 1 By using “Find calendars” to search for specific rooms (Slide 52-56), you can get the specific schedule for that specific room, and see when it is free.

# Day view

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   Repeat booking  
From  :  To  :   
Room name   
Building    
Minimum seats   
Equipment   
  
**Find suggestions**

**Booking For**  
 TDA493, Graphical Interfaces Extra...   
 Combined Booking

**Find calendars +**  
**Saved Calendars**  
 My Calendar  
 TDA493, Graphical Interfaces  
 MPIDE1, Interaction Design Mast...  
  
**Searched Calendars**  
 TDA499, Interaction design Proj...  
 TDE180, Innovative Science  
 CIA180, Extra Project  
 Cooper 200

**Thur 17, January 2019 ▶**

Thur  
17

**January 17th, 2019 10.15-12.00 10 Rooms found**

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres).

1 The system notices that the user is focused in on looking at the Cooper 200 room and automatically suggests this as its first suggestion would one attempt to make a booking.

Users are however still free to browse other rooms if they would like to.

# Day view

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6  
Week 2 7 8 9 10 11 12 13  
Week 3 14 15 16 17 18 19 20  
Week 4 21 22 23 24 25 26 27  
Week 5 28 29 30 31 1 2 3

**Book Rooms**

**Filter**  
TDA493, Graphical Interfaces  
Date  
2019-01-17   Repeat booking  
From  :  To  :   
Room name   
Building    
Minimum seats   
Equipment

**Booking For**  
 TDA493, Graphical Interfaces Extra...   
 Combined Booking

**Find calendars +**  
**Saved Calendars**  
 My Calendar  
 TDA493, Graphical Interfaces  
 MPIDE1, Interaction Design Mast...  
  
**Searched Calendars**  
 TDA499, Interaction design Proj...  
 TDE180, Innovative Science  
 CIA180, Extra Project  
 Cooper 200

◀ Thur 17, January 2019 ▶

Thur  
17

8:00 - 17:00

Cooper 200  
9:15-12:00  
CFE199, Computational Neuroscience  
Peter Michaelson

Cooper 200  
13:15-15:00  
TDA493, Graphical Interfaces

Cooper 200  
15:15-17:00  
MDA800, Gameplay Structures  
Adriana Goodwin

Cooper 200 booked 17/1 - 2019 at 13.15-15.00

1 As this booking would overlap between two calendars in this view, the saved calendar has priority and will determine the colour of the booking. However, the booking will gain a stripe with the colour of each additional overlapping calendar currently active and which belong to the occasion.

If two or more calendars would be under "Saved Calendars", they would be shown as two separate bookings instead.

End of Day view

# Month view

- Booking

# Month View

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6

Week 2 7 8 9 10 11 12 13

Week 3 14 15 16 17 18 19 20

Week 4 21 22 23 24 25 26 27

Week 5 28 29 30 31 1 2 3

**Booking For**

TDA493, Graphical Interfaces Extra... ▾

Combined Booking □

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**Find calendars +**

Saved Calendars

My Calendar

TDA493, Graphical Interfaces

MPIDE1, Interaction Design Mast...

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**Searched Calendars**

TDA499, Interaction design Proj...

TDE180, Innovative Science

CIA180, Extra Project

**Book Rooms**

**Filter**

TDA493, Graphical Interfaces

Date  
2019-01-17

From 08 : 15 - To 10 : 00

Room name Room name

Building Building: All Floor: All

Minimum seats 30

Equipment Equipment

◀ January 2019 ▶

Day Week Month Agenda

Mon	Tues	Wed	Thur	Fri	Sat	Sun
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	31	1	2	3

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 31 1 2 3

Jipi... 09.15-12.00  
High 12.00-13.00

High 12.00-13.00

Svea... 10.15-12.00  
Saga... 13.15-15.00  
Svea... 09.15-12.00  
Loka 13.15-15.00  
High 12.00-13.00

+3 more ▾

Beta 13.15-15.00  
High 12.00-13.00

Jipi... 10.15-12.00

1 Month view could be presented like this.

As there is limited space of how much space one day could take, days with 3 or more bookings are expandable in the style of an accordion.

# Month View

◀ January, 2019 ▶

**Week 1** 31 1 2 3 4 5 6

**Week 2** 7 8 9 10 11 12 13

**Week 3** 14 15 16 17 18 19 20

**Week 4** 21 22 23 24 25 26 27

**Week 5** 28 29 30 31 1 2 3

**Booking For**

TDA493, Graphical Interfaces Extra... ▾

Combined Booking □

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**Find calendars** +

Saved Calendars

My Calendar

TDA493, Graphical Interfaces

MPIDE1, Interaction Design Mast...

Searched Calendars

TDA499, Interaction design Proj...

TDE180, Innovative Science

CIA180, Extra Project

**Book Rooms**

**Filter**

TDA493, Graphical Interfaces

Date  
2019-01-17

From 08 : 15 - To 10 : 00

Room name

Building  
Building: All  Floor: All

Minimum seats 30

Equipment

◀ **January 2019** ▶

Day Week Month Agenda

Mon	Tues	Wed	Thur	Fri	Sat	Sun
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	31	1	2	3

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 31 1 2 3

- 1 By clicking the arrow underneath, the view is collapsed back to two items on that specific day.

# Month View

**Booking For**  
 TDA493, Graphical Interfaces Extra...

**Combined Booking**

**Find calendars +**

**Saved Calendars**

- My Calendar
- TDA493, Graphical Interfaces
- MPIDE1, Interaction Design Mast...

**Searched Calendars**

- TDA499, Interaction design Proj...
- TDE180, Innovative Science
- CIA180, Extra Project

**Mon Tues Wed Thur Fri Sat Sun**

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	31	1	2	3

**Book Rooms**

**Filter**  
 TDA493, Graphical Interfaces  
**Date**  
 2019-01-17

**From**  :  - **To**  :

**Search Room**

**Building**  
 Building  Floor   
 A-building  B-building   
 Kuggen

**Minimum seats**

**Equipment**  
 Equipment   
 Projector

**Find suggestions**

Book multiple rooms  
 Suggest only rooms within walking distance (500 Metres).

**January 10th, 2019 08.15-10.00 21 Rooms found**

**High** Kuggen, Floor 2, Li... **Low** Kuggen, Floor 2, Li... **Middle** Kuggen, Floor 2, Li... **Chalmers** A-Building, Floor 1... **William** A-Building, Floor 1... **SG-02** A-Building, Floor 2...

**Book Selected**

1 By clicking on the surface of a specific day, or by clicking on the "Find suggestion" button, a search for a booking is started.

2 As the Month-view loses its time-temporal aspect in favour for more day coverage, the time of the booking may not be adjusted inside the schedule view.

However, the booking is still draggable in the suggestion window. By dragging the booking down to e.g. 13.15, the system will readjust its suggestions to the new time slot (See next slide)

# Month View

The screenshot shows a room booking system interface for the month of January 2019. The top left corner displays a week view from January 1st to 6th. Below it is a 'Book Rooms' button. The main area is titled 'Booking For' and shows a dropdown menu for 'TDA493, Graphical Interfaces Extra...' and a 'Combined Booking' option. A 'Find calendars +' section lists 'Saved Calendars' (My Calendar, TDA493, Graphical Interfaces, MPIDE1, Interaction Design Mast...), and a 'Searched Calendars' section lists (TDA499, Interaction design Proj..., TDE180, Innovative Science, CIA180, Extra Project). The main calendar grid shows room bookings for various rooms like Jupiter, High, Svea, Saga, Loka, Beta, and SG-02 across the days of the month. A tooltip for a booking on January 10th provides details about the room (TDA42, 09.15-12.00) and its equipment (Projector, Xbox). At the bottom, a summary for January 10th shows 21 rooms found between 13.15-15.00, with options to 'Find suggestions' or 'Book Selected'.

1 The suggestion is updated to fit the new time slot.

# Month View

◀ January, 2019 ▶

Week 1 31 1 2 3 4 5 6

Week 2 7 8 9 10 11 12 13

Week 3 14 15 16 17 18 19 20

Week 4 21 22 23 24 25 26 27

Week 5 28 29 30 31 1 2 3

**Booking For**

TDA493, Graphical Interfaces Extra... ▾

Combined Booking □

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**Find calendars +**

Saved Calendars

My Calendar

TDA493, Graphical Interfaces

MPIDE1, Interaction Design Mast...

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**Searched Calendars**

TDA499, Interaction design Proj...

TDE180, Innovative Science

CIA180, Extra Project

**Book Rooms**

**Filter**

TDA493, Graphical Interfaces

Date  
2019-01-17

From  To

Search Room

Building

A-building   B-building

Kuggen

Minimum seats

Equipment

Projector

◀ January 2019 ▶

Day Week Month Agenda

Mon	Tues	Wed	Thur	Fri	Sat	Sun
31	1	2	3	4	5	6
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21	22	23	24	25	26	27
28	29	30	31	1	2	3

High booked 10/1 - 2019 at 13.15-15.00  X

- By pressing "Book", the suggestion gets booked similarly to the other views.

# Thank you!

Erik Bennerhed  
TDA493, Graphical Interfaces