EBW Ressourcenplaner: User Manual

Planning and booking board for Joomla · Version 0.23 · As of 26 Nov 2026

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1. What is the planning board?

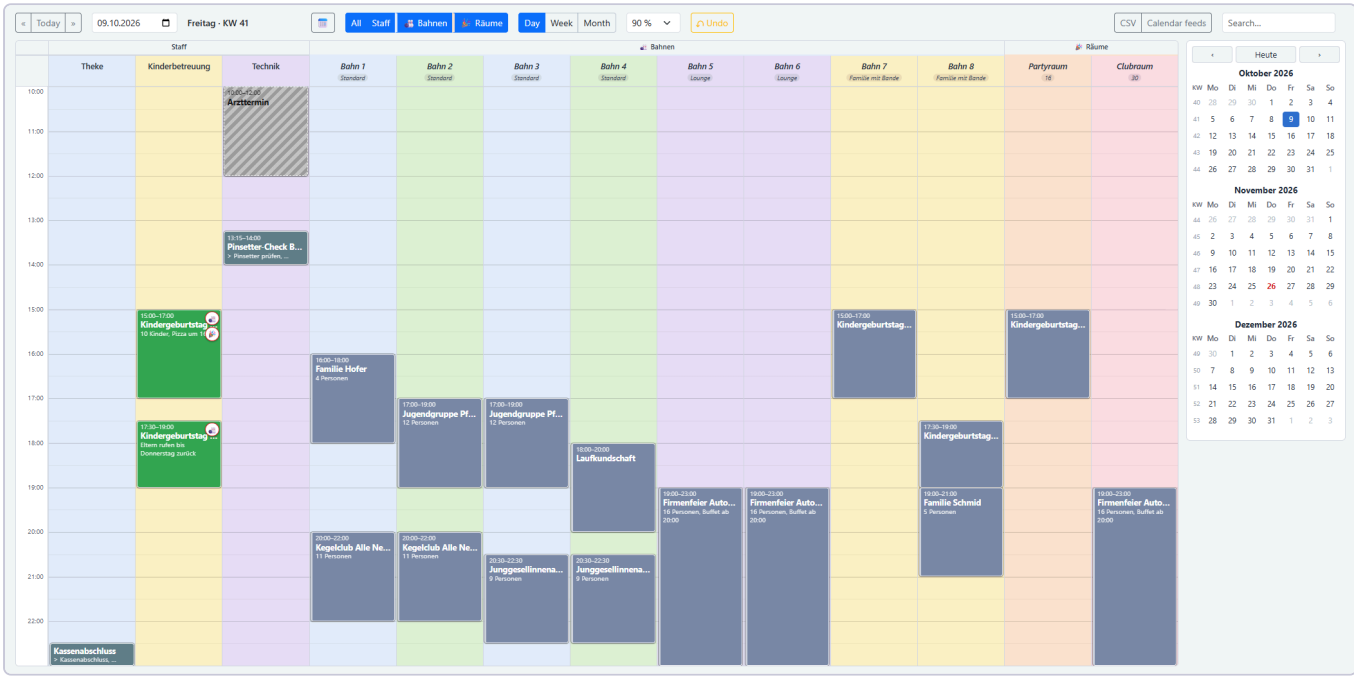
The planning board shows a day as a table: **columns across the top**, **time down the left**, and appointments and bookings as coloured boxes in between.

There are two kinds of columns:

- **Staff columns**: one per person or task (e.g. "Andreas", "Bar", "Maintenance"). **Appointments** live here.
- **Resource columns**: one per thing that can be booked, such as a vehicle, room, piece of equipment or lane. **Bookings** live here.

Resources are sorted into **groups** such as "Loaner vehicles", "Lanes" or "Rooms". Each group has an icon (🚗, 🎳, 🎉), a colour and its own attributes. Section 15 explains how to set groups up.

The colour of an appointment shows its status, for example from "planned" (blue) to "invoiced" (green). You define the colours yourself. Absences such as holidays or a doctor's appointment are shown with grey stripes in the column (section 5).



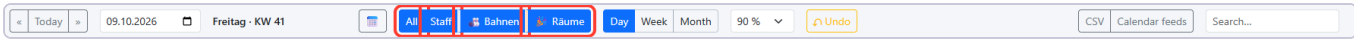
Good to know: **the board records every change**: who, when and what, with the state before and after. Deleted items remain traceable in the log, so the board doubles as a record of working time.

2. What the board shows

Showing and hiding columns

Above the board there is a row of toggles:

- **All**: staff and every resource group side by side
- **Staff**: the staff columns
- **one toggle per group**, e.g. "🚗 Loaner vehicles" or "🛏️ Lanes"



The toggles can be combined freely. "Staff" plus "🛏️ Lanes" shows exactly those two areas. An active group toggle carries a stripe in the group colour. If you switch everything off, the board shows everything again, so it is never empty without a reason.

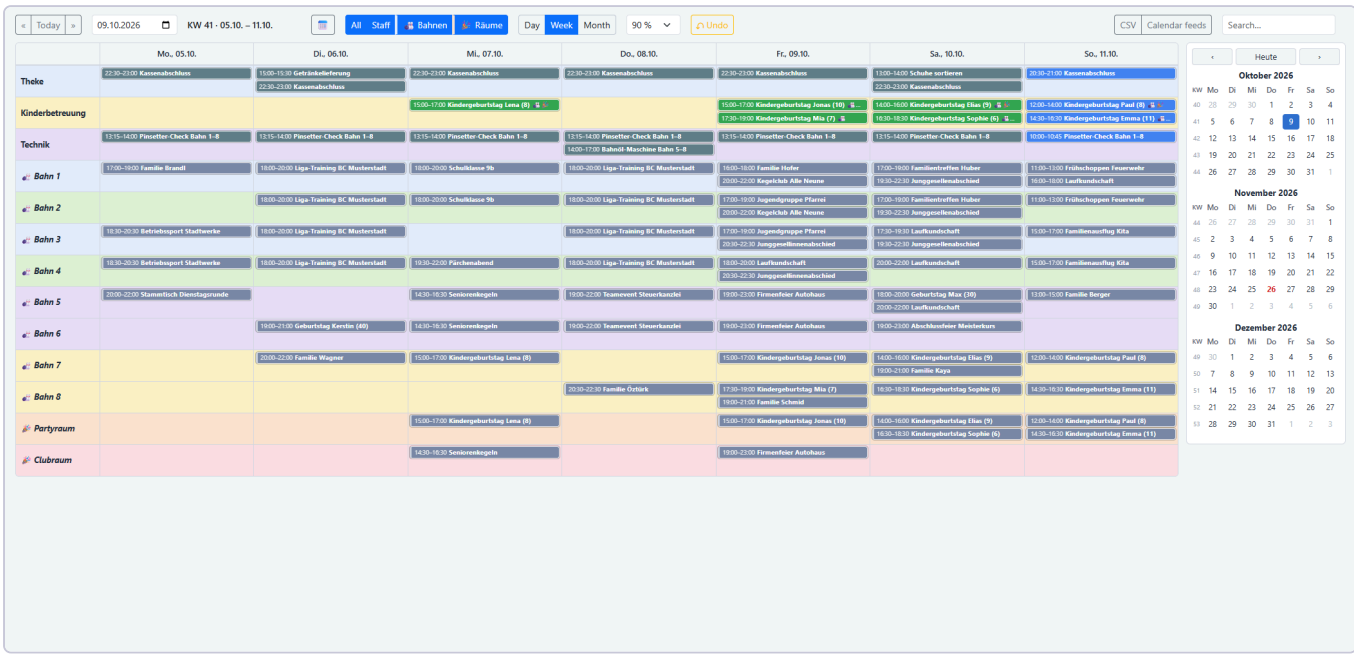
A **group band** with the group's icon and name runs above the resource columns. Below a resource name, its most important attributes are shown in small print (e.g. "Lounge" for lane 5). Hovering shows all attributes.

The browser remembers your selection for the next visit.

Period

Day / Week / Month:

- **Day**: the hourly board
- **Week**: the days set in the options (default Monday to Saturday) as a grid, appointments as chips. Dragging works here too, day by day. Double-clicking a free cell creates an appointment there.
- **Month**: overview for navigation. Clicking an entry opens that day.



Size

Next to Day/Week/Month, **Size** scales the board from 70 to 150 %. This applies to this device only and is remembered by the browser, so the board can be larger on the wall screen than on the office PC.

In the day view the board fills the screen height: hours grow so the day fits without scrolling, within the configured limits (section 15, options).

3. Getting to the right day

- **« Today »** steps one day at a time, "Today" jumps back
- The **date field** opens a calendar
- The **mini calendar on the right** shows three months with calendar weeks. **Clicking a day opens it immediately.** Today is red, the displayed day blue. The 📅 button folds it in and out.
- The **red line** across the board is the current time.

Dragging an appointment to another day: drag an appointment from the board onto a day in the mini calendar. It moves there at the same time; multi-day and all-day appointments move as a whole. The status line says "Moved to …" with the new day. If that time is taken, the same rules apply as when dragging on the board (section 5).

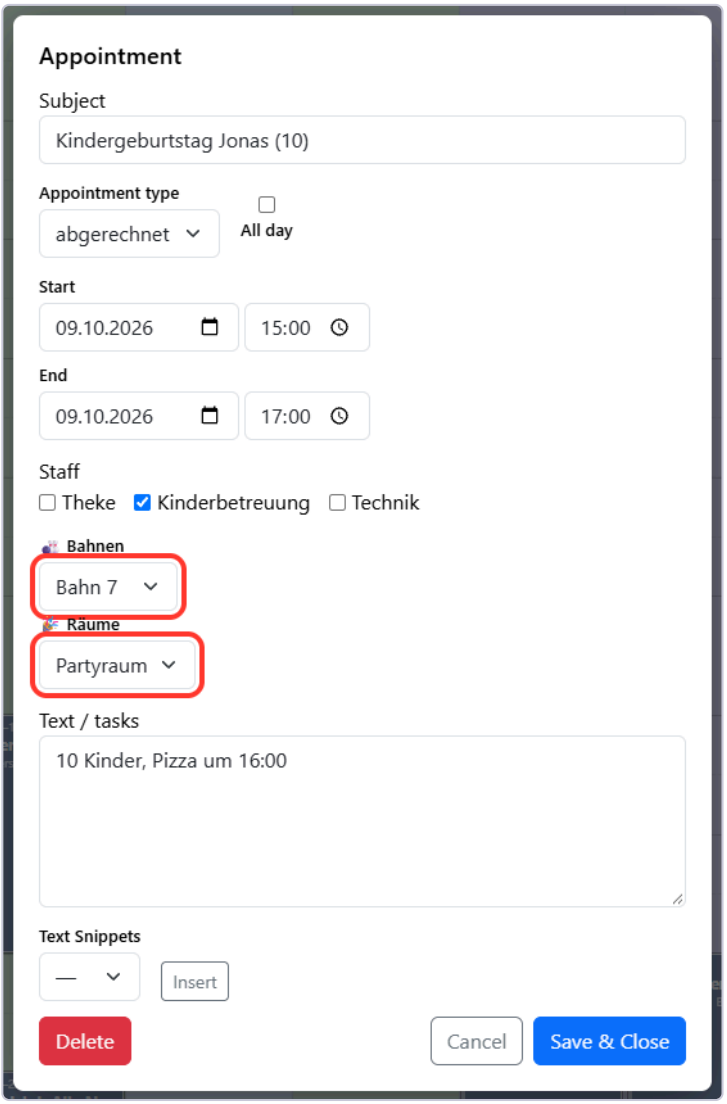
4. Appointments

Creating an appointment

Two ways:

- In a staff column, **drag across the free area from start to end** (mouse or finger).
- Or **double-click a free spot**. The appointment starts at the clicked grid slot and lasts as long as set in the options (default 60 minutes). It is never created past the end of the day.

The appointment window opens:



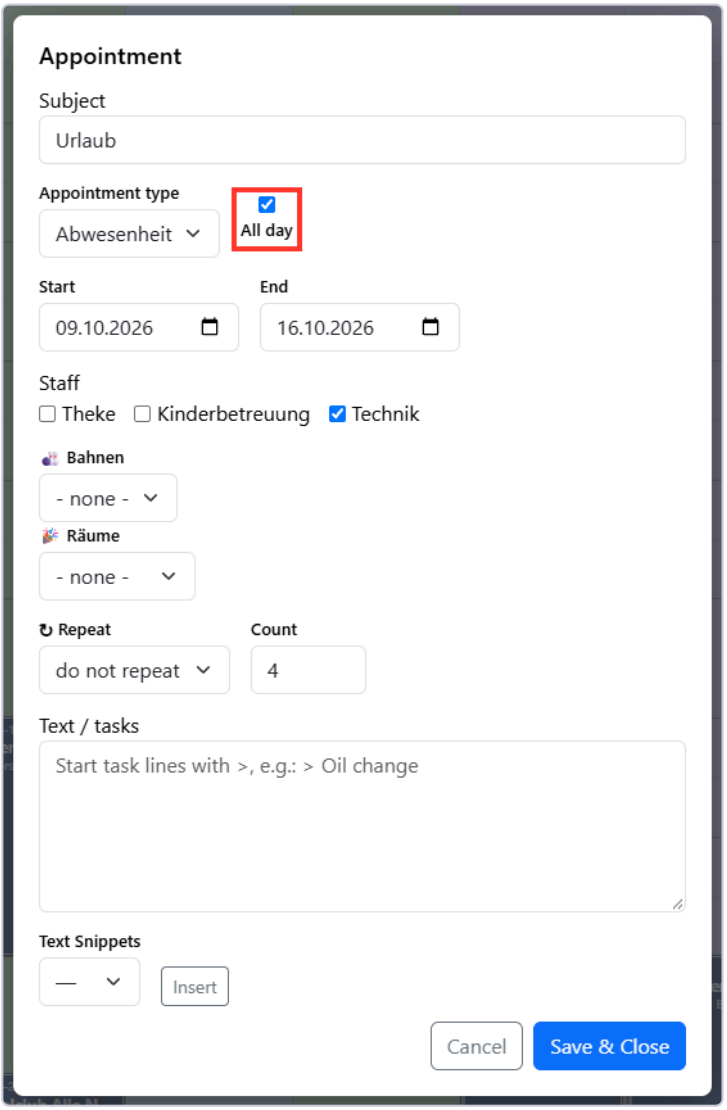
- **Subject**: workshops do well with `Vehicle,Customer,Order number` (e.g. `Golf 4,Meier,A2026-114`), a bowling centre perhaps `Kids' party Lena (8)`.
- **Appointment type**: sets the colour. Types with the "Absence" switch (e.g. holiday, sick leave) enter an absence, see section 5.
- **Start/End**: with date. **All day** for whole days, see below.
- **Staff**: tick everyone involved. An appointment can sit in several columns; changing it changes it everywhere.

- **One selection per linkable resource group**, e.g. "🚗 Loaner vehicles", "🎳 Lanes", "🎉 Rooms". See section 7.
- **Text / tasks**: work steps, each line starting with `>`
- **Text snippets**: pick a shortcut and "Insert". This appends the task line, as often as you like.
- ↻ **Repeat**: see section 8 (only shown when creating)

All-day appointments

With the **"All day"** box ticked, an appointment covers whole days, for example a holiday or a trade fair. The times disappear from the window and can no longer be changed. Only the first and the last day count: the appointment runs from the start of the first day to the end of the last day. "End" therefore shows the last day the appointment still covers.

Untick the box and the times come back; for a new appointment you get the configured working day.



Moving and resizing

- **Move:** grab the box and drag, also into another column. Everything snaps to the configured grid (default 15 minutes).
- **Longer/shorter:** drag the top or bottom edge.

- **Linked resources move along:** if a lane, room or vehicle is linked to the appointment (section 7), its booking moves too and keeps its length. If the resource is already taken at the new time, its booking stays where it was and a note says who has it. Then move it by hand or pick another one in the appointment.
- **Taken is taken:** by default an appointment cannot be dropped on a taken slot. The message at the top says who is in the way. Section 5 explains when two appointments may share a column.

Every change is **checked and saved at once**. There is no intermediate state that only lives in your browser.

Note for users of version 0.22: the rescheduling mode with the red bar and parked moves no longer exists. If a browser still held unsaved moves, the board discards them the first time it opens and says how many there were. Please check the appointments concerned.

The colour workflow (one tap)

Tap an appointment once and the colour dots appear, one per appointment type. Tapping a dot changes the status. A typical flow:

1. **Blue** = planned
2. **Yellow** = in progress *(tapped by the person starting the work)*
3. **Orange** = done, to be invoiced
4. **Green** = invoiced *(tapped by the office)*

The same window shows the **prices of linked resources** (section 7) as well as **Edit**, **Cut**, **Copy** and **Delete** (Delete asks twice to be safe). **Double-tapping** an appointment opens the edit window directly.

Moving an appointment to another day

1. Tap the appointment, then **Cut** (or **Copy**)
2. Go to the target day
3. Either tap **Paste** at the top (same time) or **click a free spot in a column**. A small "Paste HH:MM" window drops it exactly there.

The mini calendar is often quicker (section 3).

A **copy takes its linked resources along**. If one of them is already booked at the new time, the copy is still created, just without that resource. A yellow note at the bottom says which one is missing and who has it. Then pick another one in the appointment.

Very short appointments (up to 30 minutes) show only the title in the box. The time is visible from the position and on hover. The task text fills the box as far as there is room; hover or "Edit" shows all of it. Multi-day appointments show start and end with their dates.

5. Overlaps: double booking, absence, capacity

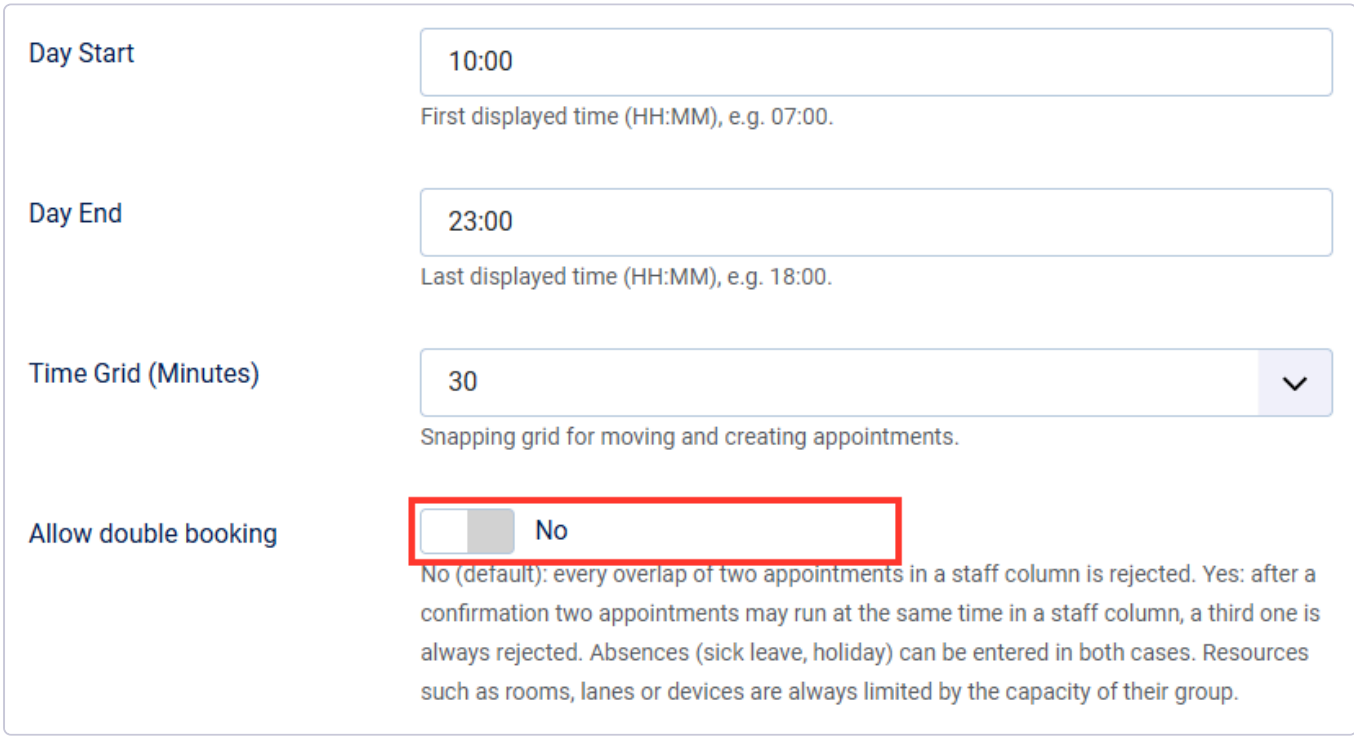
Out of the box: no double booking

After installation the rule is: **two appointments must not overlap in a staff column.** That way nobody is booked twice by mistake. If you drag, paste or create an appointment on a taken slot, a message at the top names the appointment that is already there. Nothing is saved.

Absences are the exception; they can always be entered (see below).

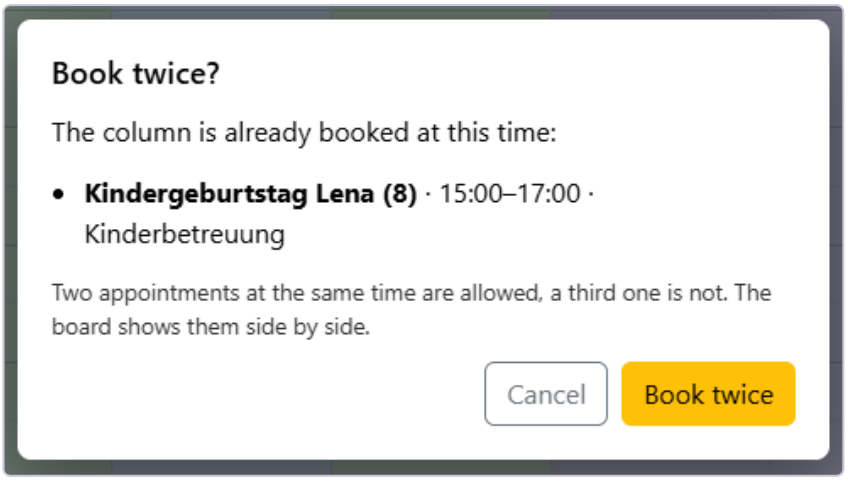
Allowing double booking

Sometimes a staff member has to look after two things at once. For this there is the option **"Allow double booking"** under **Options** → **Planning Board** (default "No").



When it is set to "Yes":

1. Put the appointment on the taken time: drag it, resize it, paste it, drop it on the mini calendar, create it or change the time in the edit window.
2. The question **"Book twice?"** appears and names the appointment that is already there.
3. **"Book twice"** saves immediately. Both appointments are then shown side by side, each at half the column width.
4. **"Cancel"** (or the Esc key) changes nothing. A dragged appointment jumps back, the edit window opens again with your entries.

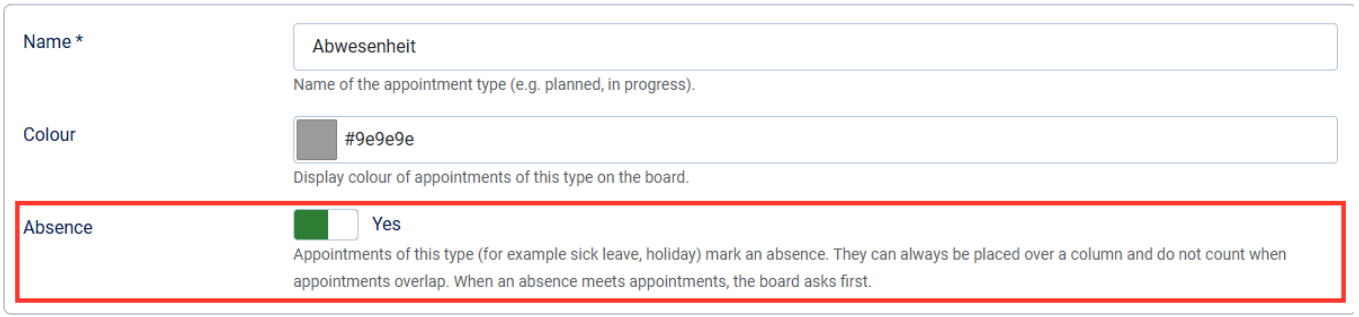


Two appointments at the same time at most. A third one at the same time is never possible, not even with a confirmation. The message at the top then names the two appointments already there.

For a **series** the board asks once for the whole series and says at how many points it overlaps.

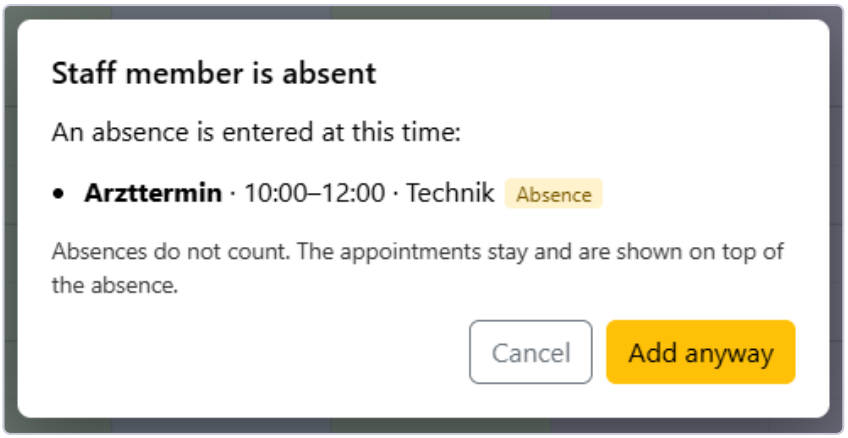
Absence: holiday, sick leave, doctor's appointment

Absences use appointment types with the **"Absence"** switch (**Appointment types → Edit**). The basic setup includes the grey type "Abwesenheit" (absence). Create further types such as "Holiday" or "Sick" yourself and switch them on.



Such an entry can **always** be placed in a column, even with double booking switched off, and does not count when appointments overlap. If it meets appointments, the board asks first:

- **Placing an absence over appointments:** the question "Place absence over appointments?" lists the appointments concerned. With "Add absence" the appointments stay where they are. Reschedule them afterwards.
- **Placing an appointment on an absence:** the question **"Staff member is absent"** appears with the button "Add anyway".



On the board the absence lies **striped across the full width behind the appointments**. Appointments on top of it move in a little to the right, so the stripe stays visible on the left.

Resources and capacity

For resources (lanes, rooms, vehicles, equipment) there is **no question and no double booking**. A car cannot be in two places and a lane cannot be played twice. How many bookings of one resource may run **at the same time** is set by the **capacity** of its group (section 15). With capacity 1 the resource is taken as soon as one booking runs. With capacity 2 two may run at the same time and a third is refused. Bookings one after the other do not add up.

If resources are linked to an appointment, the board **checks the resources first**. If one of them is full, nothing is saved, not even after a confirmation. So no appointment is left half booked.

Swapping two appointments

As nothing can overlap unsaved any more, swap two appointments via a free slot:

1. Drag the first appointment to a free slot (another time or another column).
2. Drag the second appointment to the slot that has become free.
3. Drag the first appointment to the slot of the second.

Every step is saved at once, so nothing is lost if the phone rings in between. This matters in particular for two appointments that share the same resource (e.g. the same lane): otherwise it would be double booked in the first step.

With double booking switched on, staff columns allow a shorter way: drag the first appointment onto the slot of the second, confirm "Book twice", then drag the second one to the slot that has become free.

Changing the type later

If you change the type of an existing appointment, for example from an absence to a normal appointment, **the board does not check for overlaps again**. Check yourself afterwards whether appointments now overlap in that column, and move them if necessary.

6. Made a mistake? Undo!

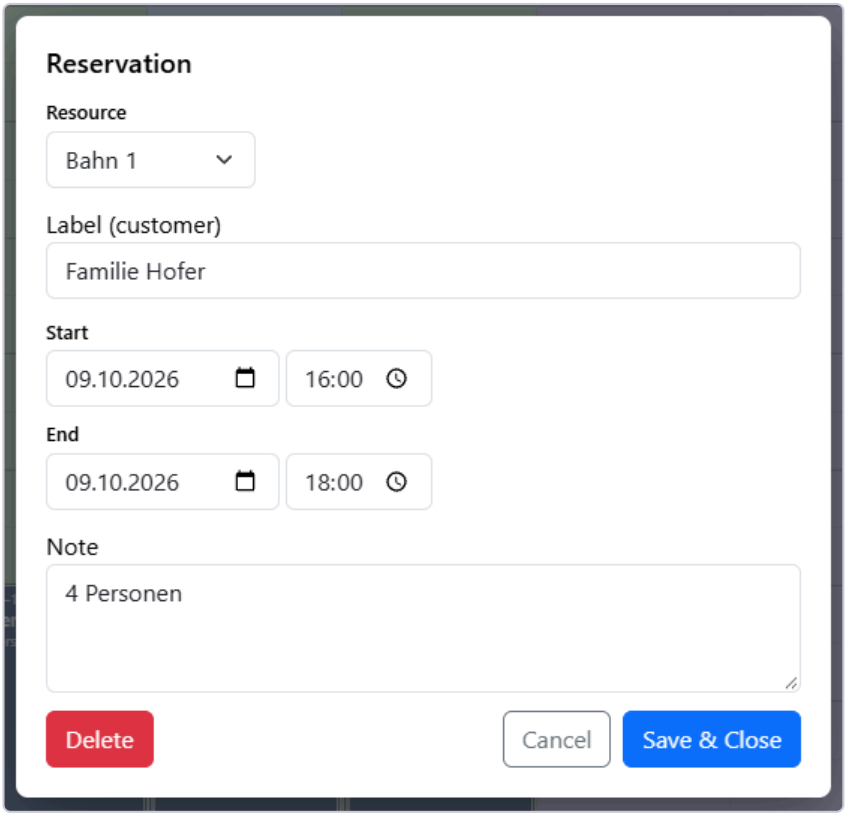
The ↩ **Undo** button reverts your own last change. Tapping repeatedly goes back step by step (your own actions from the last 24 hours). An accidentally deleted appointment comes back this way too. Every undo is itself logged. Anything that needed a confirmation when it was saved is restored by Undo without asking again.

7. Booking resources

Booking directly in the resource column

Drag or **double-click** in a resource's column. The **Reservation** window opens:

- **Resource**: preselected, can be changed (sorted by group)
- **Label (customer)**: e.g. `Berger family` or `Car dealer staff party`
- **Start/End**: multi-day and to the minute
- **Note**: e.g. number of people or arrangements



Bookings can be moved and resized like appointments. In a bowling centre this is the normal way: the lane is booked, no appointment with a staff member is needed.

Linking a resource to an appointment

Groups with "linkable to appointments" switched on appear in the appointment window as their own selection. The list shows **only resources that are free in that period**. Saving creates the booking automatically.

You can pick one resource per group, from several groups at once. A kids' party thus books the supervisor, lane 7 and the party room in one step. The board checks all selected resources before saving. If one of them is taken, nothing is saved, so no appointment is left half booked.

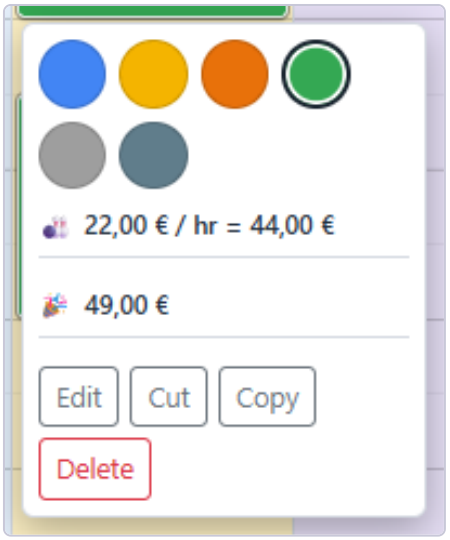
The appointment gets **an icon per linked resource at the top right** (🚗, 🎳, 🎉). Clicking it opens the booking. When the appointment is moved, the linked bookings move along (section 4).

Resource needed for longer? (part not in, customer keeps the car overnight): click the icon, **extend the end**, save. The appointment in the staff column is not affected.

Prices

If a resource has a price, the window shown when tapping an appointment or booking states what the booking costs:

- **per hour** or **per day**: multiplied by the duration, e.g. `€22.00 / hr = €44.00` for two hours on lane 7
- **per booking**: the flat amount, e.g. `€49.00` for the party room



With several linked resources there is one line per resource. The board does not invoice, it only shows the amount.

8. Recurring series

For recurring things (weekly league practice, monthly inspection): when **creating**, choose the rhythm under ↻ **Repeat** (daily, weekly, every 2 or 4 weeks) and the count. Individual appointments are created, marked with ↻ before the time.

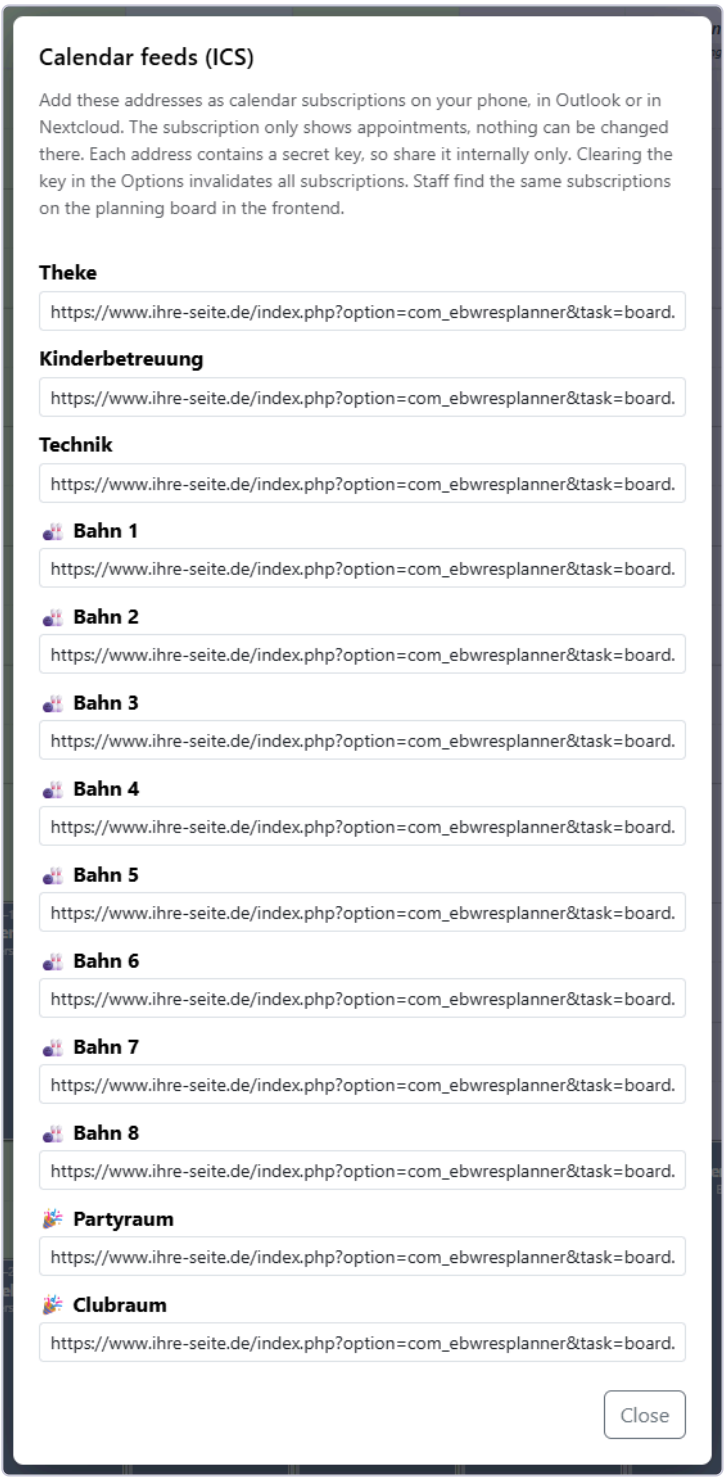
- If a repeat day is already taken, **only that day is skipped**. The message at the top says which one. If double booking is switched on or an absence is in the way, the board asks once for the whole series (section 5).
- Each series appointment can be moved or deleted individually.
- **Delete the whole series:** tap the appointment, then "Delete series" (tap twice to be safe).
- When editing a series appointment, a note reminds you that changes apply to **this** appointment only. The **"Go to series"** button jumps to the series overview.
- **Menu** → **Series** lists all series with search, count, rhythm and period. **"Edit"** opens the series editor: change subject, staff, period, times, rhythm and weekdays. The series is rebuilt accordingly; taken days are skipped and reported. Past series are hidden, "Show past" toggles them.
- **Turn of the year:** from 20 December the board asks which expiring series should be carried into the new year. Tick, done. "Later" reminds you again the next day.

9. Search

Type into the **search field** at the top right (from 2 letters). It searches appointments **and** bookings: customers, number plates, order numbers, task texts, labels. **Clicking a hit** jumps to the right day and briefly flashes the entry red.

10. Calendar on your phone (subscriptions)

Under **Calendar feeds** (top right) there is a subscription address for every staff member and every resource, sorted by group. Add it to your phone, Outlook or cloud as a **calendar subscription** and the appointments or bookings show up in your own calendar (read-only; planning happens on the board). The addresses contain a secret key, so share them internally only.



The button is shown to everyone with **full edit** rights, in the back end and on the front-end board (section 14). Guests never see the subscription addresses. If the key is deleted in the options, all subscriptions stop working.

11. CSV export and import (office)

Via **CSV** (top right, back end only):

- **Export:** choose a period, appointments or reservations. The file opens straight in Excel (e.g. as a record of working time).
- **Import:** CSV file with the columns `betreff; beginn; ende; mitarbeiter`, optionally `terminart; text; ganztaegig; ersatzwagen; wagen_von; wagen_bis`. `ersatzwagen` holds the name of a resource. Every row goes through the normal booking check. There is no question during the import: whatever would otherwise need a confirmation (double booking with the option switched on, appointments on an absence) is imported and counted in the result. Anything else that is taken is refused. The result shows what was imported and which row failed and why.

Export and import use the same columns, so an export can be re-imported without loss.

12. Who can do what?

Role	may
View (e.g. info screen on the wall)	view only, refreshes itself
Change status (e.g. shared login on the shop floor)	view, tap colours, undo own status changes
Full edit (office, management)	everything: create, move, delete, series, bookings, CSV, calendar feeds

The administrator maps these to Joomla user groups under Component → Options → Permissions. If the group "Public" gets the **View** right, the front-end board shows the bookings without login (section 14).

13. Quick access

Below the board and at the top of the admin lists there is a **Quick access** strip with buttons to every area: board, staff, resources, resource groups, appointment types, text snippets, series. The area you are in is highlighted.

So you can fold the Joomla menu on the left with **Toggle Menu** and still get anywhere with one click.

Next to **Options** at the top you see the installed version number, with the build number where there is one (e.g. "v0.23.0 · Build 1"). It helps when you call us and we need to know which release you run.

14. Planning board on the website

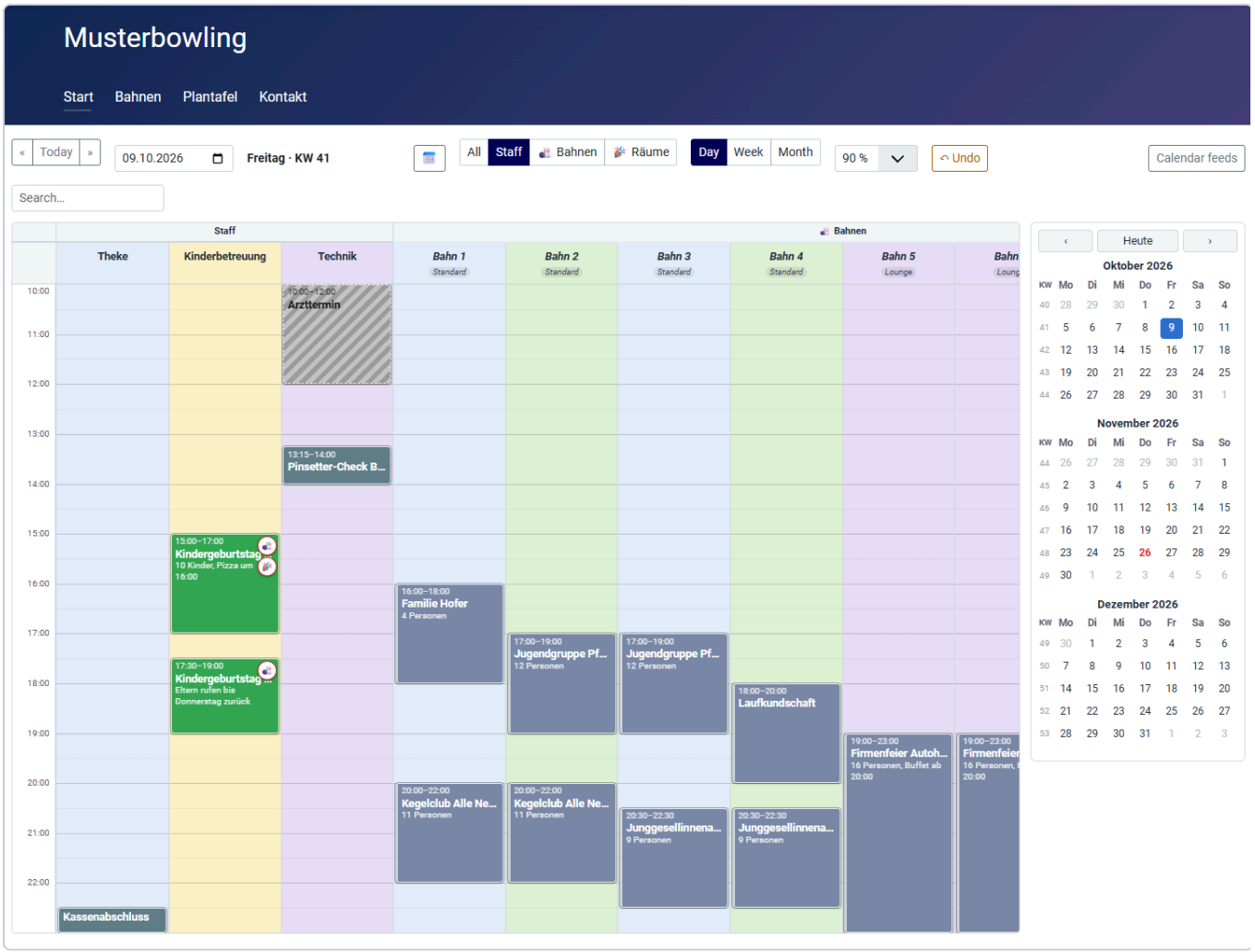
The board can also be shown on the website, for example for staff who should not use the back end, or for a screen at the bar. Create a menu item of the type **EBW Ressourcenplaner → Planning Board** under **Menus**.

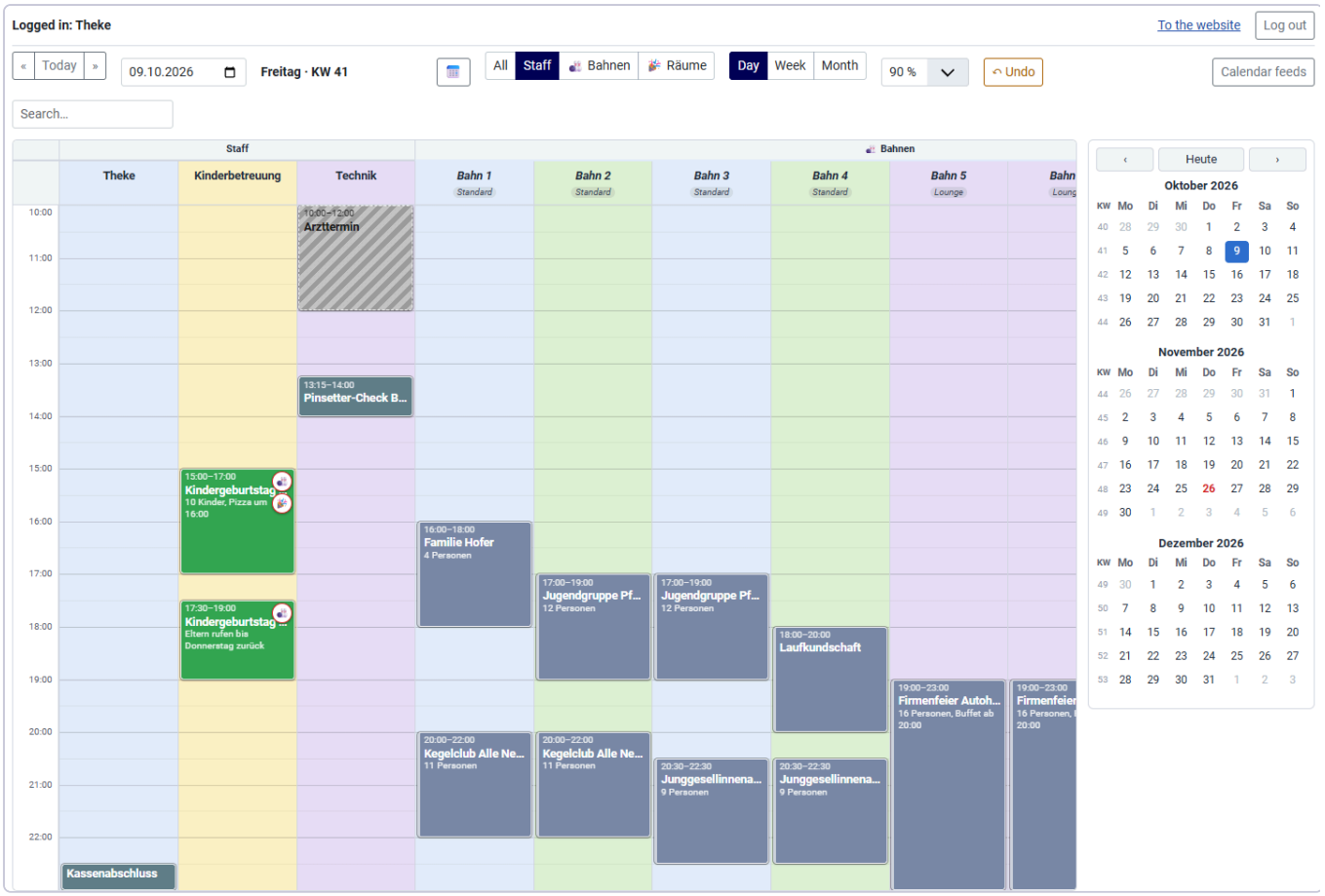
The front end covers the daily work just like the back end: create and move appointments, tap colours, undo, search, mini calendar and calendar feeds. CSV export and import stay in the back end.

Layout

"Frontend layout" decides how the board is embedded in the website. The default is set in **Options → Planning Board**; every menu item can override it ("As in the options" keeps the default). Without a menu item the option applies.

Layout	Effect
Inside the page layout (default)	The board sits in the content column like an article. Works with any template.
Full width	Page header and menu stay; side columns, footer and side margins are removed on this page. Meant for Cassiopeia and templates derived from it. With other templates the page frame may stay.
Board only	The board fills the whole window without page frame. A slim header shows the logged-in user, "To the website" and "Log out". Works with any template.


Musterbowling
Start
Bahnen
Plantafel
Kontakt
Today
09.10.2026
Freitag · KW 41
All
Staff
Bahnen
Räume
Day
Week
Month
90 %
Undo
Calendar feeds
Search...
Staff
Bahnen
Theke
Kinderbetreuung
Technik
Bahn 1
Standard
Bahn 2
Standard
Bahn 3
Standard
Bahn 4
Standard
Bahn 5
Lounge
10:00–12:00
Arzttermin
13:15–14:00
Pinsetter-Check B...
15:00–17:00
Kindergeburtstag
10 Kinder, Pizza um 16:00
17:30–19:00
Kindergeburtstag...
Eltern rufen bis Donnerstag zurück
16:00–18:00
Familie Hofer
4 Personen
17:00–19:00
Jugendgruppe Pf...
12 Personen
17:00–19:00
Jugendgruppe Pf...
12 Personen
18:00–20:00
Laufkundschaft
19:00–23:00
Firmenfeier Autoh...
16 Personen, Buffet ab 20:00
20:00–22:00
Kegelclub Alle Ne...
11 Personen
20:00–22:00
Kegelclub Alle Ne...
11 Personen
20:30–22:30
Junggesellinnena...
9 Personen
20:30–22:30
Junggesellinnena...
9 Personen
Kassenabschluss
Heute
Oktober 2026
November 2026
Dezember 2026



Further menu item settings

- **View mode**: all, staff or one particular group
- **Info screen mode**: display only, no controls, refreshes itself and always shows today
- **Display size**: fixed size for this menu item, e.g. 120 %

Login and public display

- **Guests without the View right** are taken to the website login and come back to the board afterwards.
- **Public booking display:** if the group "Public" gets the **View** right (Options → Permissions), guests see the board without login, but read-only. In the "Board only" layout the user name and "Log out" are left out then. **Guests never see subscription addresses.**
- For accounts that work with the board all day (bar, reception) there is the option **"Stay logged in"** (section 15).

Opening a specific day

Add `?date=YYYY-MM-DD` to the board's address to open that day, for example `…/planning-board?date=2026-10-09`. If the address already contains a question mark, use `&date=2026-10-09`. This works in the back end too. The info screen always stays on today.

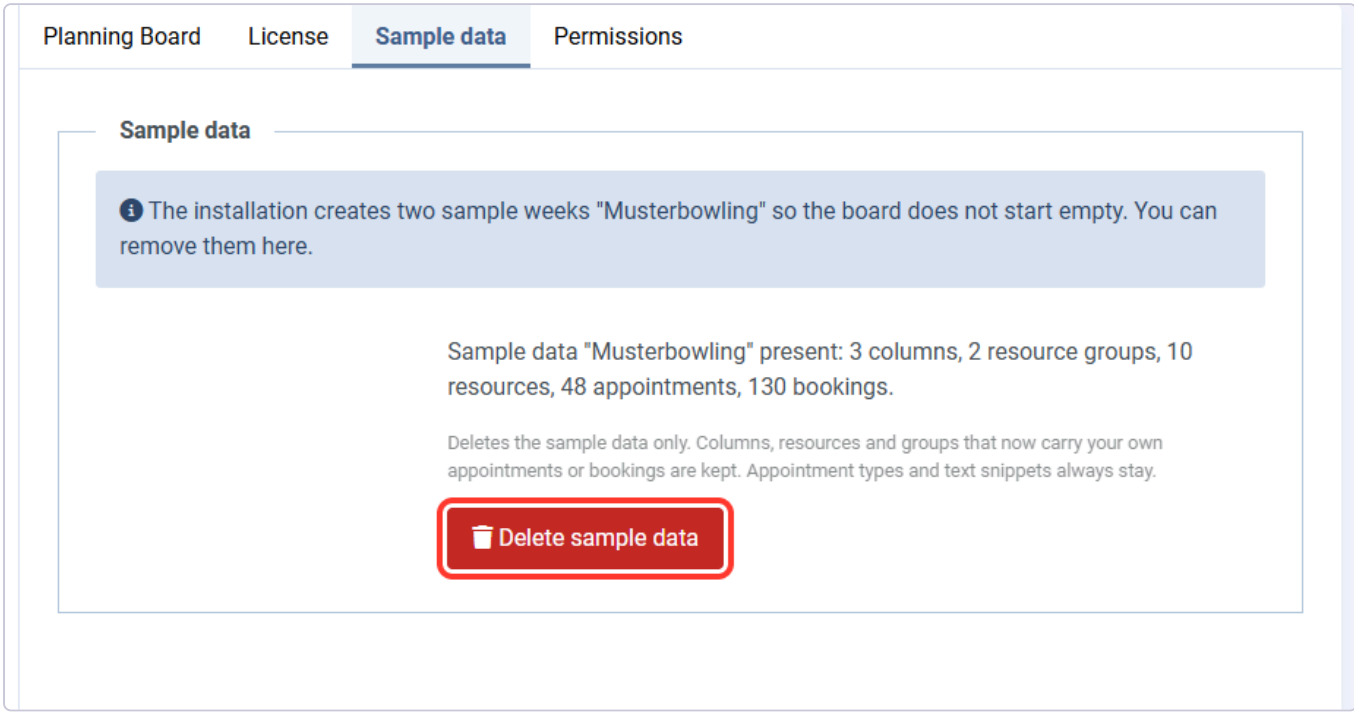
15. Setup (administrator)

The Joomla dashboard has **tiles** for quick access, and the admin header has a **"Resource planner"** button. One click and the board is there.



So the board does not start empty, the installation creates **sample data**: a week in a bowling centre ("Musterbowling", section 16) for the week you install and the following one. It also sets the options to match (10 am to 11 pm, all days). Have a look around, then delete it under **Options** → **Sample data** → **Delete sample data**:

- Sample appointments and bookings disappear completely.
- Sample columns, resources and groups disappear too, unless you have added your own appointments or bookings to them in the meantime. Those are kept and listed in the message.
- The options return to the defaults (7 am to 6 pm, Mon–Sat) unless you changed them yourself.
- Appointment types and text snippets always stay.



In the admin menu **EBW Ressourcenplaner**:

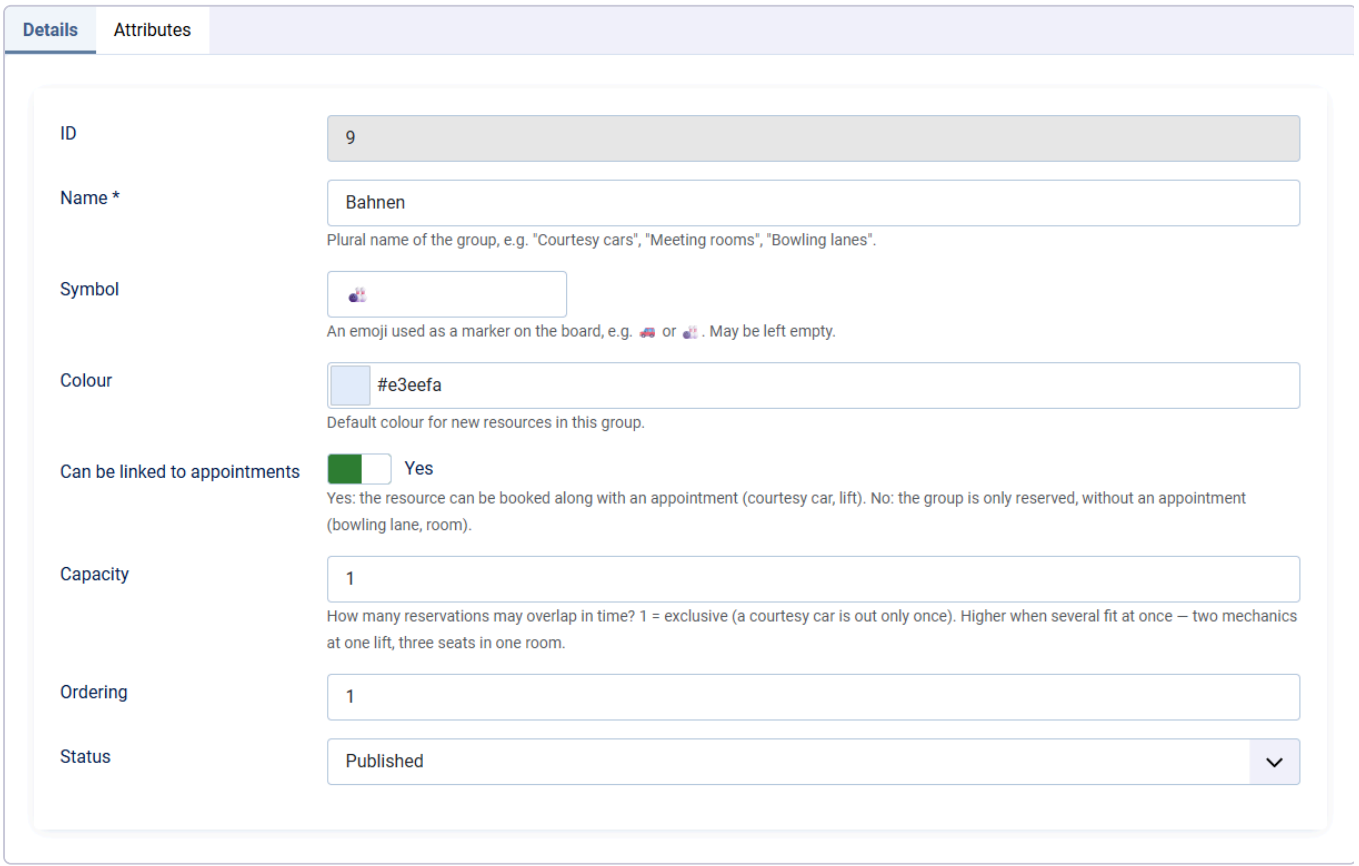
Staff

Create and sort columns and pick a **background colour** per column so everyone finds theirs quickly. A column does not have to be a person; "Bar" or "Reception" work just as well.

Resource groups

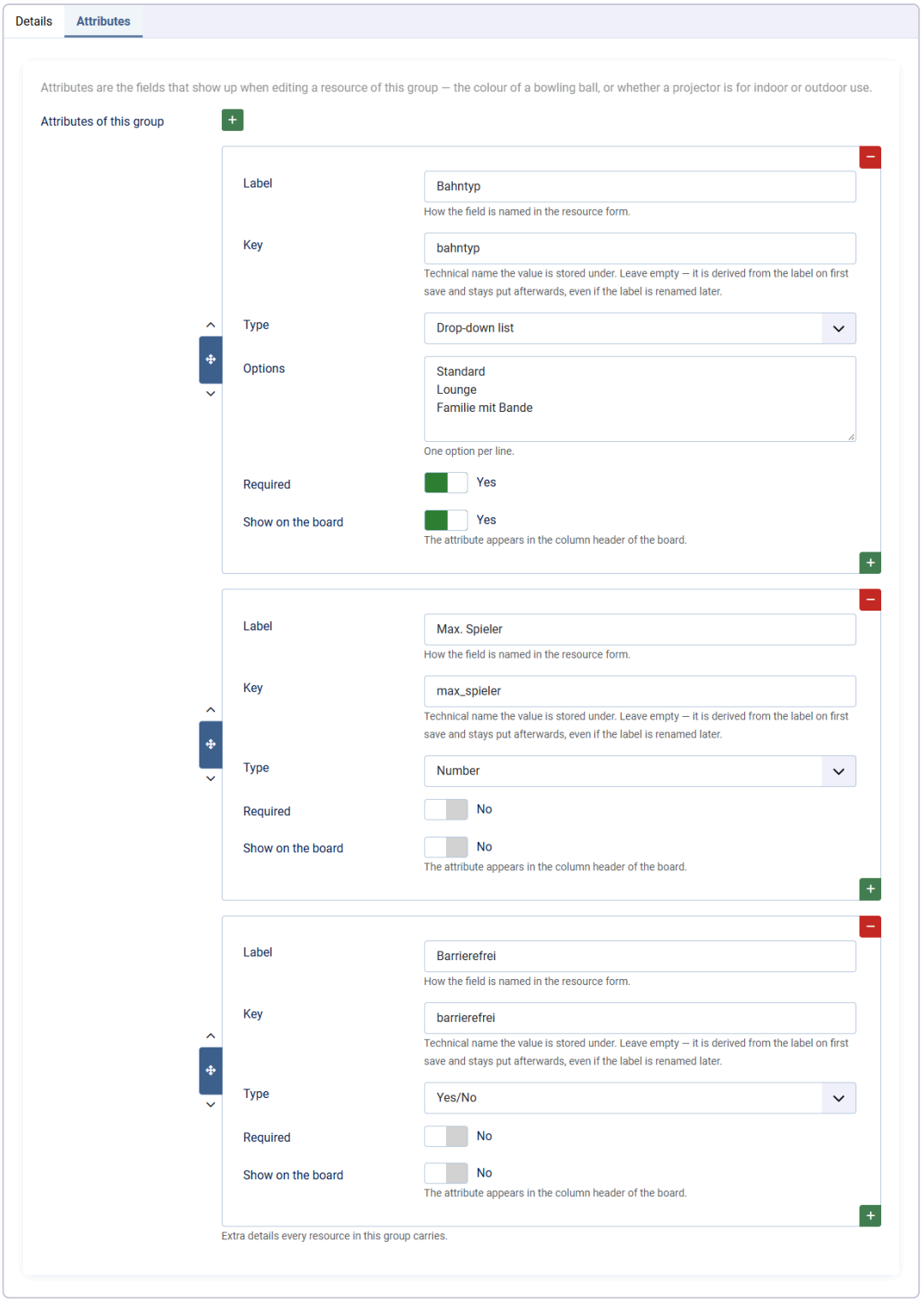
A group collects things that are handled the same way: all loaner cars, all lanes, all rooms.

Field	Meaning
Name	plural, e.g. "Loaner vehicles", "Lanes"
Icon	an emoji, shown on toggles, in the group band and on appointments
Colour	default colour for new resources of the group
Linkable to appointments	Yes: the group appears in the appointment window as a selection (loaner car, lift, party room). No: the group is only booked directly in its column.
Capacity	how many bookings of **one** resource may run at the same time. 1 = exclusive (a loaner car is gone with the first customer). 2 for a lift two mechanics can work at. See section 5.



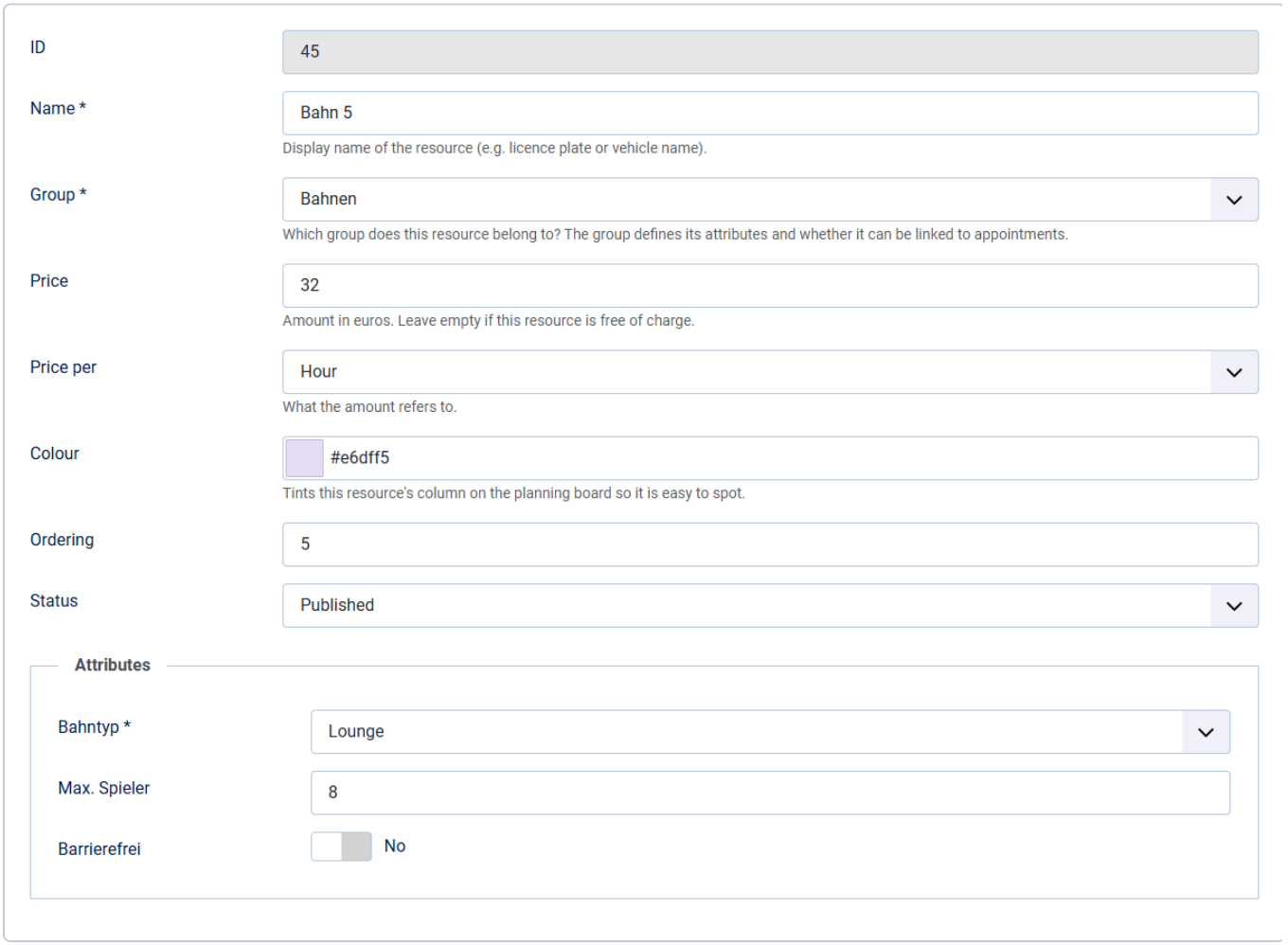
On the **Attributes** tab you define what every resource of the group carries:

Field	Meaning
Label	the field name in the resource form, e.g. "Lane type"
Key	leave empty. It is derived from the label on first save and then stays fixed, even if you rename the label later, so stored values are never lost.
Type	text, number, yes/no, list or colour
Options	for lists only, one per line
Required	must be filled in when saving the resource
Show on board	the value appears in small print below the column name


Details
Attributes
Attributes are the fields that show up when editing a resource of this group — the colour of a bowling ball, or whether a projector is for indoor or outdoor use.
Attributes of this group
Label
Bahntyp
How the field is named in the resource form.
Key
bahntyp
Technical name the value is stored under. Leave empty — it is derived from the label on first save and stays put afterwards, even if the label is renamed later.
Type
Drop-down list
Options
Standard
Lounge
Familie mit Bande
One option per line.
Required
Yes
Show on the board
Yes
The attribute appears in the column header of the board.
Label
Max. Spieler
How the field is named in the resource form.
Key
max_spieler
Technical name the value is stored under. Leave empty — it is derived from the label on first save and stays put afterwards, even if the label is renamed later.
Type
Number
Required
No
Show on the board
No
The attribute appears in the column header of the board.
Label
Barrierefrei
How the field is named in the resource form.
Key
barrierefrei
Technical name the value is stored under. Leave empty — it is derived from the label on first save and stays put afterwards, even if the label is renamed later.
Type
Yes/No
Required
No
Show on the board
No
The attribute appears in the column header of the board.
Extra details every resource in this group carries.

Resources

Per resource: **name**, **group**, **colour** and optionally a **price** with unit (per hour, per day, per booking). The attributes of the chosen group appear below. The list can be filtered by group and sorted by group or price.



Appointment types

Names and colours of the colour workflow. Their order is the order of the colour dots. The **"Absence"** switch turns a type into an absence such as holiday or sick leave (section 5). The list marks such types.

Text snippets

Shortcut and text line. Task lines start with `>`.

Series

Overview and series editor, see section 8.

Options

Option	Default	Meaning
Day start / day end	07:00 / 18:00	visible range of the day view
Time grid	15 minutes	snapping when dragging
Allow double booking	No	Yes: two appointments at the same time in a staff column after a confirmation (section 5)
Working days	Mon–Sat	days the week view shows (Mon–Fri, Mon–Sat or all days)
Auto refresh		interval for the info screen
Display size	100 %	default size, can be overridden per device
Frontend layout	Inside the page layout	how the board is embedded in the website (section 14)
Board fills screen height	Yes	hours grow with the screen, between minimum and maximum
Duration on double-click	60 minutes	length of an appointment created by double-click
Stay logged in	empty	users directly in one of these user groups are not logged out while the board is open. Only for computers where nobody else can continue working under that account.
Calendar feed key		secret of the subscription addresses; clearing it invalidates all links
Licence key		see section 18
Sample data		shows what is left of the samples and deletes them
Permissions		see section 12

16. Example: setting up a bowling centre

This turns the empty board into a booking plan for eight lanes and a party room in about ten minutes. The installation ships exactly this setup as sample data, so you can look at it first and then build your own.

1. **Options**: day start `10:00`, day end `23:00`, working days "all days", time grid 30 minutes, duration on double-click 120.
2. Create the **resource group "Lanes"**: icon 🎳, linkable **Yes** (for kids' parties), capacity **1**. Attributes:
   - "Lane type", list with `Standard`, `Lounge`, `Family with bumpers`, required, show on board
   - "Max. players", number
   - "Accessible", yes/no
3. **Resource group "Rooms"**: icon 🎉, linkable Yes, capacity 1, attribute "Seats" (number, show on board).
4. Create **resources**: lanes 1 to 8 in "Lanes" with a price per hour (lounge lanes a little more), pick the lane type. Plus "Party room" in "Rooms" at €49.00 per booking.
5. **Staff columns** for tasks instead of people: "Bar", "Kids' supervision", "Maintenance".
6. **Appointment types**: the shipped ones fit (planned, in progress, done, invoiced, completed, absence); add your own such as "enquired".

Day to day:

- **Call: the Berger family wants two hours on Sunday at 1 pm:** toggle "🎳 Lanes", open Sunday, double-click lane 5, label "Berger family", note "6 people", save. Tapping it shows the price for the two hours.
- **Kids' party:** drag the appointment in the "Kids' supervision" column and pick lane 7 under "🎳 Lanes" and the party room under "🎉 Rooms". One save books all three.
- **League every Tuesday:** create it as a series, or copy and paste four bookings.
- **Technician at the doctor's:** enter an appointment of the absence type in the "Maintenance" column. The time is striped in the column; an appointment on top of it only goes in after a confirmation.
- **Screen at the bar:** menu item with view mode "🎳 Lanes", info screen mode on, size 120 %, layout "Board only".

17. Example: workshop with loaner cars and lifts

1. **Group "Loaner vehicles"**: icon 🚗, linkable Yes, capacity 1. Attributes e.g. "Gearbox" (list automatic/manual, show on board), "Tow bar" (yes/no).
2. **Group "Lifts"**: icon 🔧, linkable Yes, **capacity 2** if two mechanics can work at one lift at the same time.
3. **Staff columns**: one per mechanic, plus "Reception/Office".
4. **Appointment types** "Holiday" and "Sick" with the "Absence" switch.

Reception then picks the loaner car and the lift right in the appointment. If the car is out, the list does not offer it. If two jobs already run on the lift at the same time, the board refuses a third. If a mechanic often looks after two cars in parallel, switch on double booking (section 5).

18. Licence and updates

Enter the licence key under **Options** → **Licence** (format `EBW-RES-XXXX-XXXX-XXXX-XXXX`). The field below shows whether it is valid.

Without a valid key **the board keeps working as normal**. A notice appears in the back end and updates cannot be downloaded. With a key, updates arrive as usual via System → Update → Extensions. The update is listed once, for the package "EBW Ressourcenplaner".

Questions or wishes? DERHAKE IT-Services / EasyBayWeb, jan@derhake.de

The screenshots show the English interface with the sample data "Musterbowling" (made-up German names).