

SOLI - Solidarische Raumnutzung

PSE-Projekt WS24/25

Alexander Klee, Jannik Hönlinger, Johannes Frohmeyer, Ben Steinle und Antonia Ammon | 26. März 2025

Einleitung

Einleitung
●○○○○○

Teamarbeit
○○○○○○

Werkzeuge
○○○○○

Was kann die Anwendung?
○○○○○

Live Demo
○

Fragen?
○○○○○○○○

Es war einmal vor langer Zeit in einer weit,
weit entfernten Galaxis....

... Ein Ruheraum

Funktionen

- intuitiv wie Kalender, aber → **Konfliktlösung**
- spontan nutzbar
- Raum teilen
- möglichst leicht les-/bedienbar für alle

Wie sind wir dahin gekommen?

- Befragungen
- Umsetzung diskutiert

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○○●○○○

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○○○○○○○○○

Anmeldung

Kit

~~Gast~~

Login

Buchungen

Mo

Di

Mi

Do

Fr

Redout

Jetzt buchen

Nutzer

Stats

Admin

- Statistik A

- Nutzer A.

- BuchÜber A.

- Kalender A.

- Login A.

- Termin A.

- Buchungs

Wenn Termin läuft

E-Mail angeben

Admin

Print

Best

wenn

Schwierigkeiten

- Wie Konfliktlösung?
- Wie wird informiert oder verhandelt?
- Ist Hardware möglich?

Teamarbeit

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Werkzeuge
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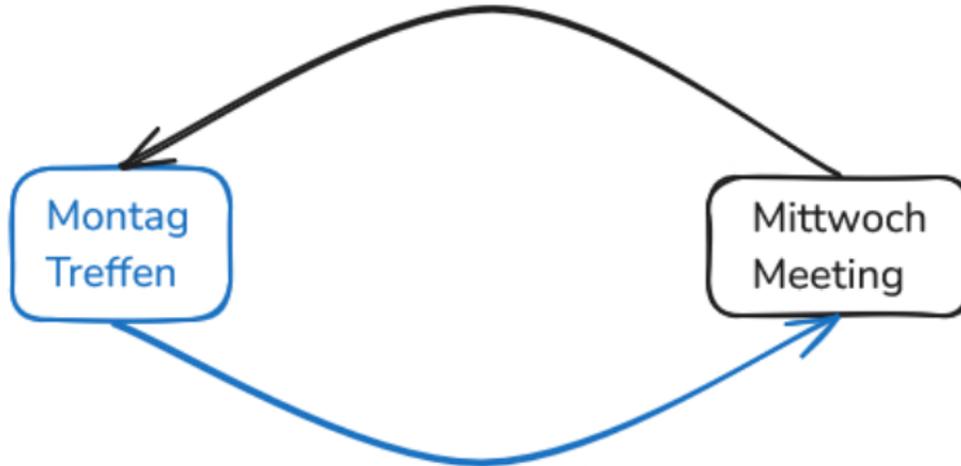
Was kann die Anwendung?
○○○○○

Live Demo
○

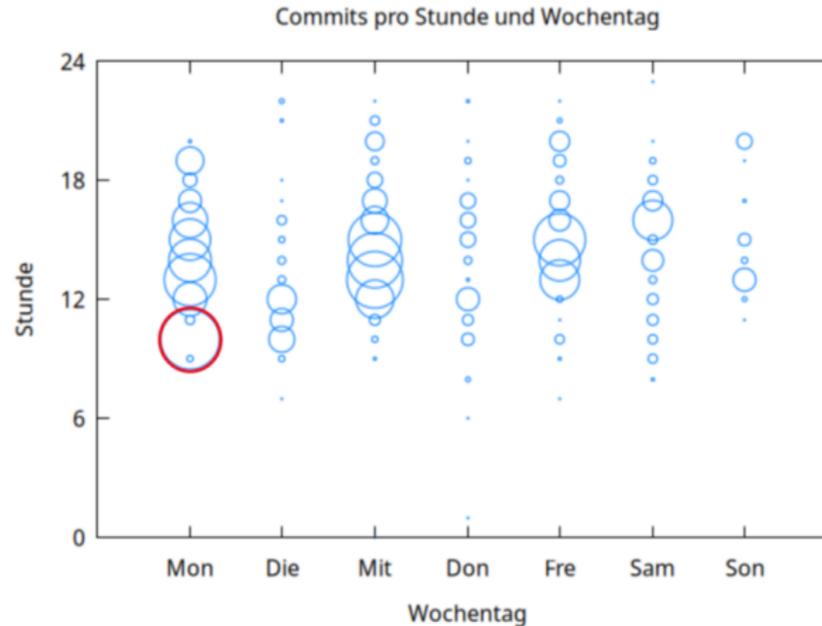
Fragen?
○○○○○○○○○

- Matrix (Element)
- Treffen am Montag
- GitHub Issues

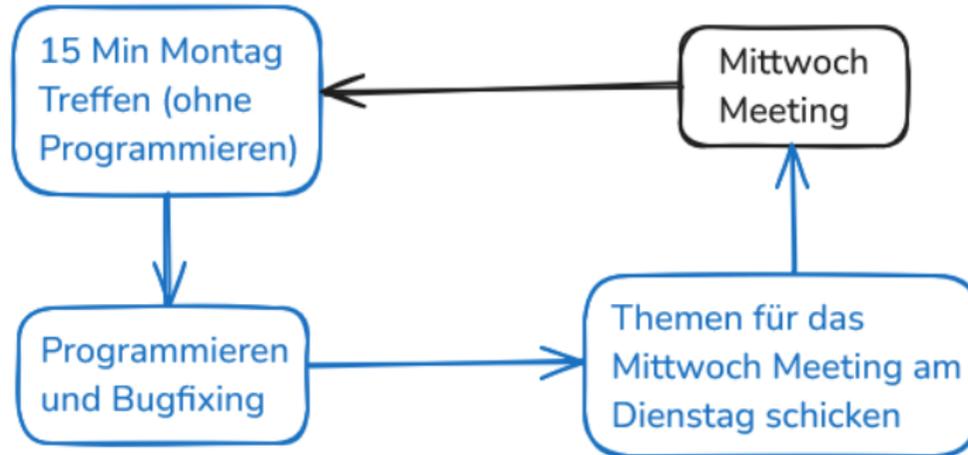
Anfangsstruktur



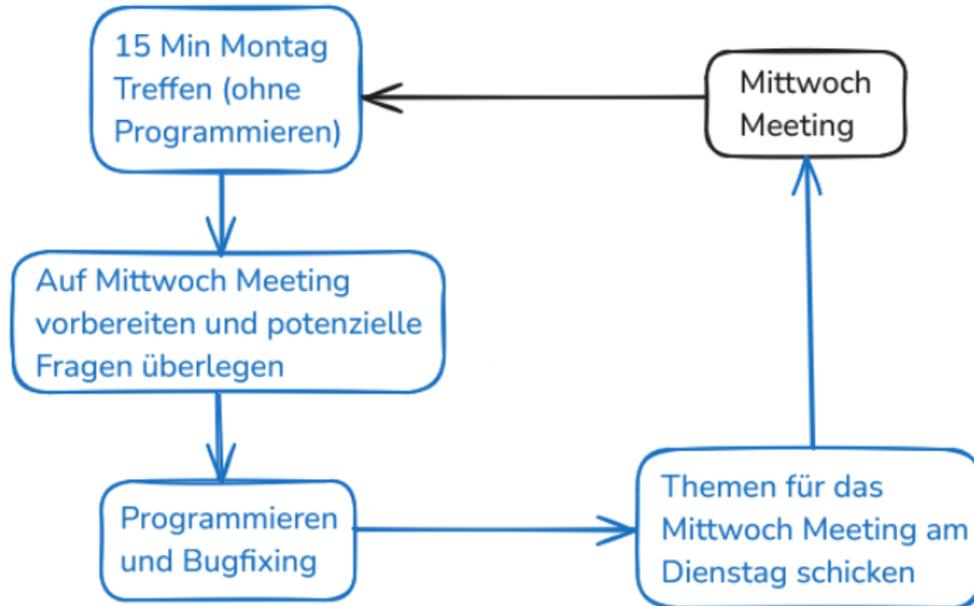
Problem: Programmieren beim Montag Treffen



1. Verbesserung



2. Verbesserung



Wasserfallmodell

- Genutzt: Wasserfallmodell mit Rückkopplung
- Pros:
 - Produktdefinition klar für alle
 - Hohe Codequalität
- Cons:
 - Dokumentation aufwendig
 - Rückkopplung nicht immer effizient

Werkzeuge

Einleitung
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Werkzeuge
●○○○○

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Größe

- 103 Issues
- 124 Pull Requests
- 1243 Commits
- 9234 Zeilen Code

feature: Implement Statistics dashboard #145

Edit <> Code↩ Merged Jan8192 merged 5 commits into `master` from `feature/statistics` 3 weeks ago💬 Conversation 1 🔗 Commits 5 📄 Checks 4 📄 Files changed 23+971 -268 🟢 🔴 🟡

JFronny commented 3 weeks ago

Member ⋮

All statistics are computed in the database, which should make this a pretty efficient implementation. Since this required embedding a function in the database to extract week days on PSQL, some setup for that is also included. In the UI, a custom CSS-only bar chart is used to display the values.

Unit tests for all statistics methods are not currently included, since they are almost identical. I can certainly add additional ones, but I'd rather wait until the core implementation has been reviewed before doing so (potentially this is even a good subject for being deferred until W4?)

Closes [#89](#)



JFronny added 4 commits [3 weeks ago](#)

- feat: implement statistics screen
- feat: link statistics in layout
- feat: improve table styling
- style: add newlines where needed

Verified 8bdceaaVerified fdc98fdVerified ✓ 082e414Verified ✓ d17e631

JFronny requested a review from [Jan8192](#) 3 weeks ago

- fix: subtract line-height/2 from top

Verified ✓ e8f4c75

Reviewers



Jan8192



Assignees



No one—[assign yourself](#)

Labels



None yet

Projects



Solidarische Raumnutzung

Status: Done

+6 more

Milestone



No milestone

Development



Successfully merging this pull request may close these issues.

✓ [Statistics dashboard for admins](#)

Notifications

Customize

Unit Tests

- 195 Unit und Integration Tests
- JUnit
- Mockito
- JaCoCo

Paket	Line Coverage
<i>Controller</i>	77%
<i>Domain</i>	91%
<i>DTO</i>	83%
<i>Filter</i>	90%
<i>Repository</i>	100%
<i>Service</i>	84%
<i>Gesamt</i>	76%

Tabelle: Coverage der verschiedenen Pakete

- 195 Unit und Integration Tests
- JUnit
- Mockito
- JaCoCo

4 checks passed		
✓	 Analyze (java-kotlin)	Details
✓	 build	Details
✓	 build	Details
✓	 Coverage Check Coverage: 75.96%	Details

Was kann die Anwendung?

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Kalenderansicht (Landing Page)



Welcome,
uouyo



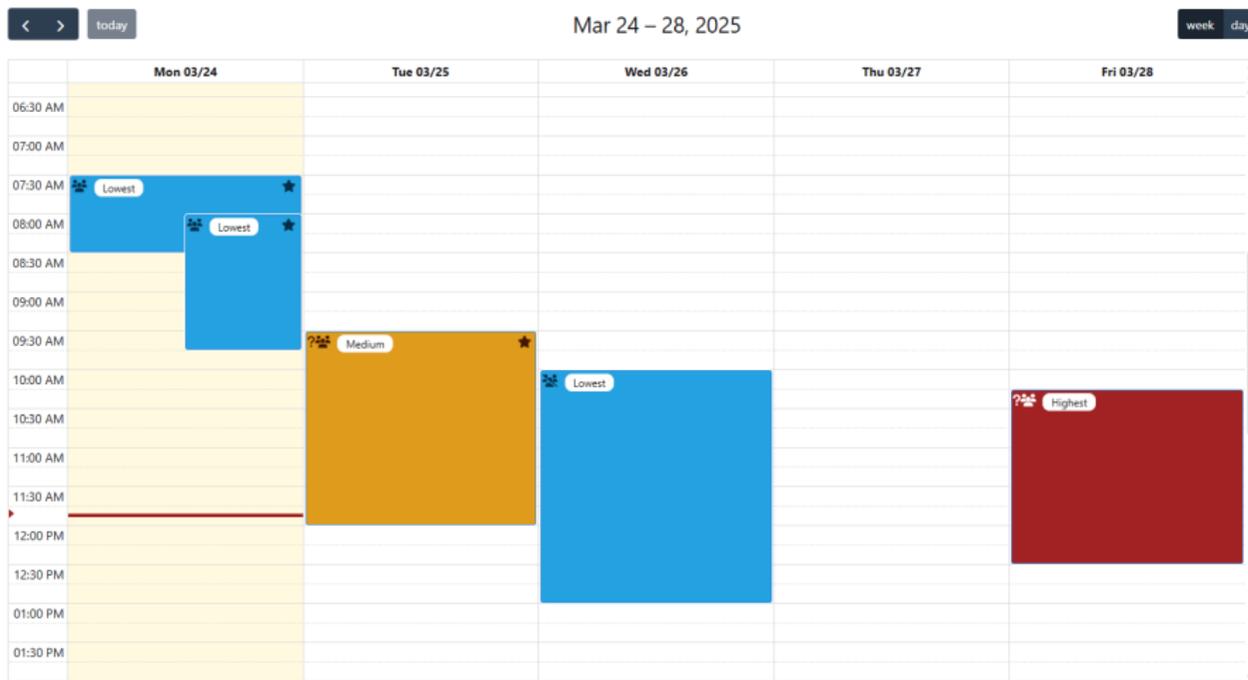
Room: Ruheraum

Calendar

My Bookings

+ New Booking

Room is not booked right now.



Kontenliste



Welcome,
Admin



Room: Ruheraum

Accounts

Statistics

Rooms

Opening Hours

Calendar

My Bookings

+ New Booking

LEGAL

ABOUT

License

Source Code (GitHub)

Privacy (KIT)

HCI

KIT Code of Conduct

Publisher

Room is not booked right now.

Disable Guest Accounts

	Username	Email	ID	Disabled	
202	Guest	dimial@gmx.de	guest/8a5635c9-9845-4abe-94d8-5f867c3364cf/dimial@gmx.de	No	Disable
203	Guest	o12208@kit.edu	guest/2beea480-9454-48f6-8809-1ec81a7ad7af/o12208@kit.edu	No	Disable
252	Guest	test@example.org	guest/710c4c34-903b-459c-a13c-878de737277b/test@example.org	No	Disable
302	Guest	alexander.m.klee@gmail.com	guest/ab844c68-9149-4a6e-bb09-f966c9b3a49b/alexander.m.klee@gmail.com	No	Disable
802	Guest	a@b.com	guest/e1079afc-e410-4ec7-9fc8-a77eb7fe8669/a@b.com	No	Disable
102	Guest	abc@example.com	guest/46751950-4899-489f-908d-77aa41f5b354/abc@example.com	No	Disable
702	Guest	a@a.com	guest/fbd0baa2-5d04-4f7e-b66c-bf5d67445d1f/a@a.com	No	Disable
204	Guest	jhoenlinger@gmail.com	guest/3b666bf9-06a8-4359-bc42-cf9769cdef9f/jhoenlinger@gmail.com	No	Disable
402	uvfzx	uvfzx@student.kit.edu	kit/0b3d58b9-db15-49b1-a657-de233b38b0c3	No	Disable
2	Guest	foo@bar	guest/foo@bar	No	Disable

Previous

23

Page 1 of 3

Next

Statistikansicht



Welcome,
Admin



Room: Ruheraum

- Accounts
- Statistics
- Rooms
- Opening Hours

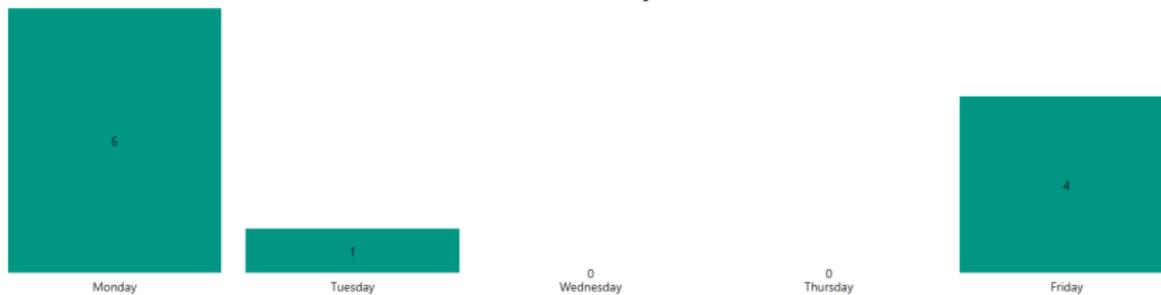
- Calendar
- My Bookings

+ New Booking

Room is not booked right now.

Recent All Time

Per Weekday



Per Hour



Konfiguration von Öffnungszeiten


Welcome,
Admin


Room: Ruheraum

- Accounts
- Statistics
- Rooms**
- Opening Hours

- Calendar
- My Bookings

+ New Booking

Room is not booked right now.

Day	Start Time	Closing Time
Monday	<input type="text" value="03:00"/> 	<input type="text" value="23:45"/> 
Tuesday	<input type="text" value="00:00"/> 	<input type="text" value="23:45"/> 
Wednesday	<input type="text" value="00:00"/> 	<input type="text" value="23:45"/> 
Thursday	<input type="text" value="00:00"/> 	<input type="text" value="23:45"/> 
Friday	<input type="text" value="00:00"/> 	<input type="text" value="23:45"/> 

Save

Konfiguration von Öffnungszeiten



Welcome,
uouyo



Room: Ruheraum

Calendar

My Bookings

+ New Booking

Room is not booked right now.

< > today

Mar 31 – Apr 4, 2025

week day

	Mon 03/31	Tue 04/01	Wed 04/02	Thu 04/03	Fri 04/04
12:00 AM					
12:30 AM					
01:00 AM					
01:30 AM					
02:00 AM					
02:30 AM					
03:00 AM					
03:30 AM					
04:00 AM					
04:30 AM					
05:00 AM					
05:30 AM					
06:00 AM					
06:30 AM					
07:00 AM					
07:30 AM					

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Live Demo

Einleitung
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Fragen?

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Teamarbeit
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Werkzeuge
○○○○○

Was kann die Anwendung?
○○○○○

Live Demo
○

Fragen?
●○○○○○○○

Kalenderansicht im Darkmode



Hallo, Visitor →

Der Raum ist zur Zeit nicht gebucht.

<
>

today

27 – 31. Jan. 2025

week

day

	Mo. 27.01.	Di. 28.01.	Mi. 29.01.	Do. 30.01.	Fr. 31.01.
06:00					
06:30					
07:00					
07:30					
08:00					
08:30					
09:00					
09:30					

☰
Kalender

☰
Meine Reservierungen

+ Jetzt Buchen

LEGAL

Lizenz

Datenschutz

Verhalten

ÜBER

Source

HCI

Publisher

Termin erstellen



Welcome,
uouyo



Room: Ruheraum

Calendar

My Bookings

+ New Booking

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Privacy (KIT) HCI
KIT Code of Conduct Publisher

Room is not booked right now.

New Booking

Start
21.03.2025 20:15

End
20:45

Description

Optional

Priority
Lowest

Share Room?
 Yes
 No
 On Request

This information is visible to all logged-in users.

OK

Room is not booked right now.

Conflict Resolution

One or more conflicts were found.

Recommended solution:

Use room in collaboration with following bbooking

The owner of the booking receives a notification about the shared use of the room.

24/03/2025, 08:00 - 09:45



No Description

Cancel

Solve



Welcome,
uouyo



Room: Ruheraum

Calendar

My Bookings

+ New Booking

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ABOUT

License

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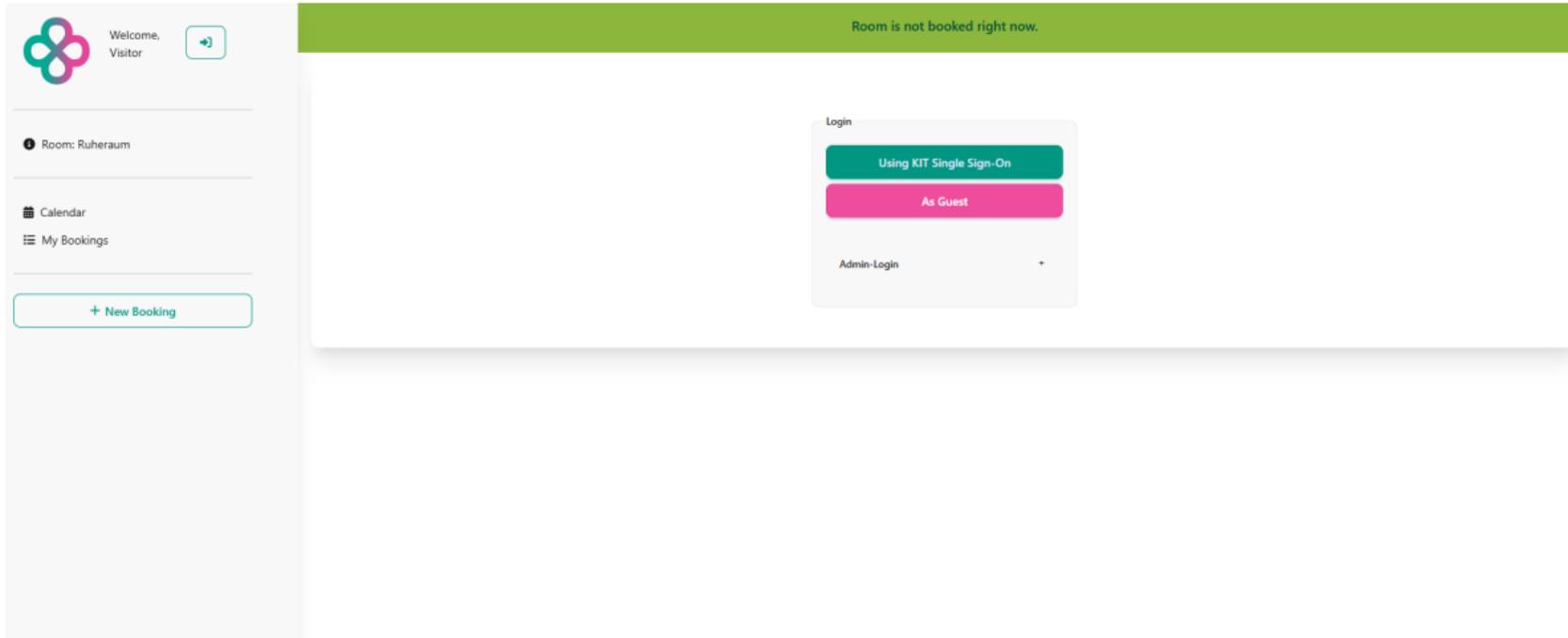
Privacy (KIT)

HCI

KIT Code of Conduct

Publisher

Anmeldeseite



The screenshot shows a web application interface for room booking. On the left is a sidebar with a logo, a welcome message, and navigation links. The main content area features a green banner with a message, a login modal with three options, and a footer with legal and about information.

Room is not booked right now.

Room: Ruheraum

Calendar

My Bookings

+ New Booking

Login

Using KIT Single Sign-On

As Guest

Admin-Login

LEGAL

License

Privacy (KIT)

KIT Code of Conduct

Publisher

ABOUT

Source Code (GitHub)

HCI

Reservierungsübersicht



Welcome,
uouyo



Room: Ruheraum

Calendar

My Bookings

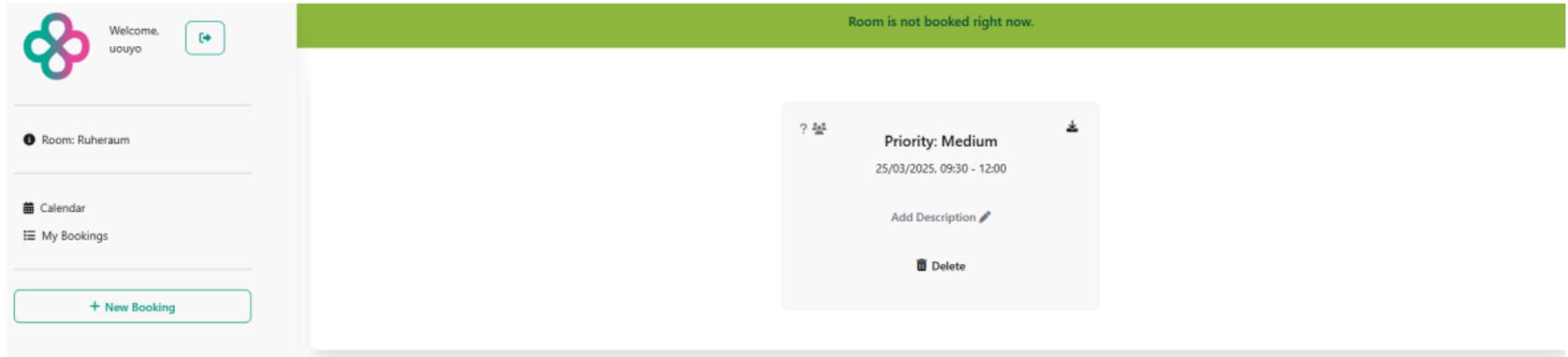
+ New Booking

Room is not booked right now.

	Description	Start	End	Share Room?	Priority	
1152	Test	03/03/2025, 15:00	15:30	On Request	Highest	Delete
1202		10/03/2025, 13:30	14:00	No	Lowest	Delete
1254		14/03/2025, 19:15	21:15	On Request	Lowest	Delete
1255		14/03/2025, 18:45	19:45	Yes	Lowest	Delete
1302		24/03/2025, 08:00	09:45	Yes	Lowest	Delete
1303		25/03/2025, 09:30	12:00	On Request	Medium	Delete
1304		24/03/2025, 07:30	08:30	Yes	Lowest	Delete

Previous Page 1 of 1 Next

Reservierung im Kalender



The screenshot shows a web interface for room reservations. On the left is a sidebar with a logo, a welcome message, and navigation options. The main area features a green status bar and a booking card for a room.

Room: Ruheraum

Calendar

My Bookings

+ New Booking

Room is not booked right now.

Priority: Medium

25/03/2025, 09:30 - 12:00

Add Description

Delete

Quick Checkout Button

 Welcome, uouyo 

 Room: Ruheraum

 Calendar

 My Bookings

[+ New Booking](#)

[Checkout](#)

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Room is booked right now. p-Lowest 

< > today Mar 17 – 21, 2025 week day

	Mon 03/17	Tue 03/18	Wed 03/19	Thu 03/20	Fri 03/21
06:00 AM					
06:30 AM					
07:00 AM					
07:30 AM					
08:00 AM					
08:30 AM					
09:00 AM					
09:30 AM					
10:00 AM					
10:30 AM					
11:00 AM					
11:30 AM					
12:00 PM					
12:30 PM					
01:00 PM					
01:30 PM					