

# eSticky - Electronic Sticky Notes for Dementia Care oder: elektronische Post-its bei beginnender Demenz

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# Was ist eSticky?

- ein Erinnerungssystem für Menschen mit beginnender Demenz (oder alle, die sich selbst gerne an Dinge erinnern)
- basiert auf kostengünstigen eInk-Displays
- mehrere Displays pro Wohnung
- Erinnerungen für jedes Display separat einstellbar
- Konfiguration und Einstellen der Erinnerungen über barrierefreies Web-Portal (responsive)

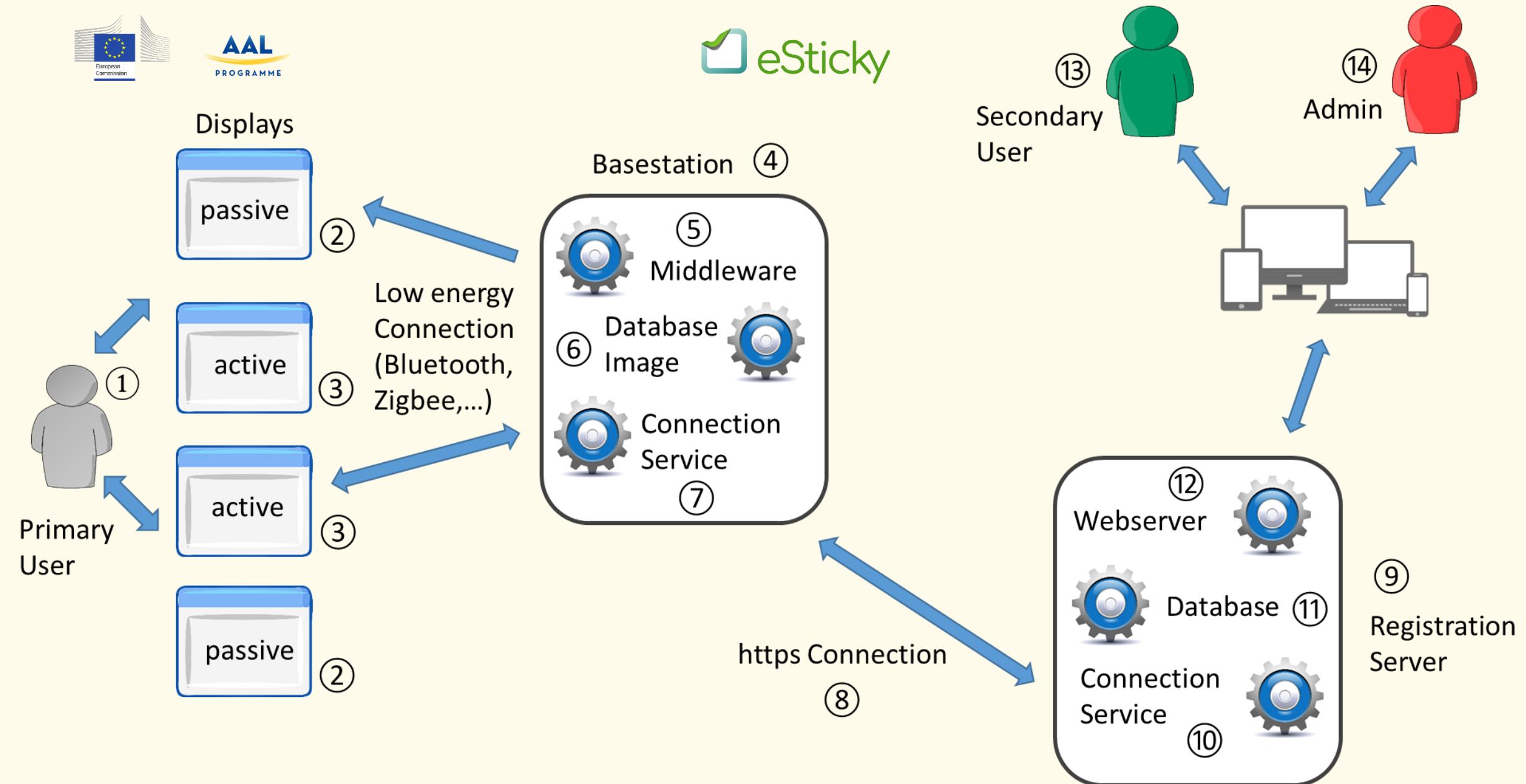
# Warum eSticky?

- Post-it Notizen werden oft von Menschen mit Demenz verwendet
- eSticky beendet die „Zettelwirtschaft“
- Erinnerungen können auch von der Ferne eingestellt werden
- Erinnerungen können von mehreren (autorisierten) Personen erstellt werden (Verwandte, Bekannte, Pflegekräfte, aber auch von betroffenen Personen selbst)
- Erinnerungen an ein oder mehreren Stellen in der Wohnung zur selben Zeit (je nach Wichtigkeit und passend zum Tagesablauf)



AAL  
PROGRAMME

eSticky



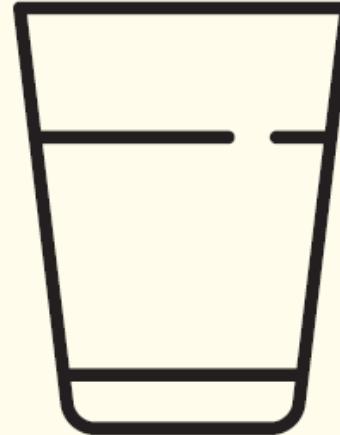
# Beispiel

## Trinken:

Ältere Menschen vergessen oft, ausreichend zu trinken (reduziertes Durstgefühl)



Please  
drink water !



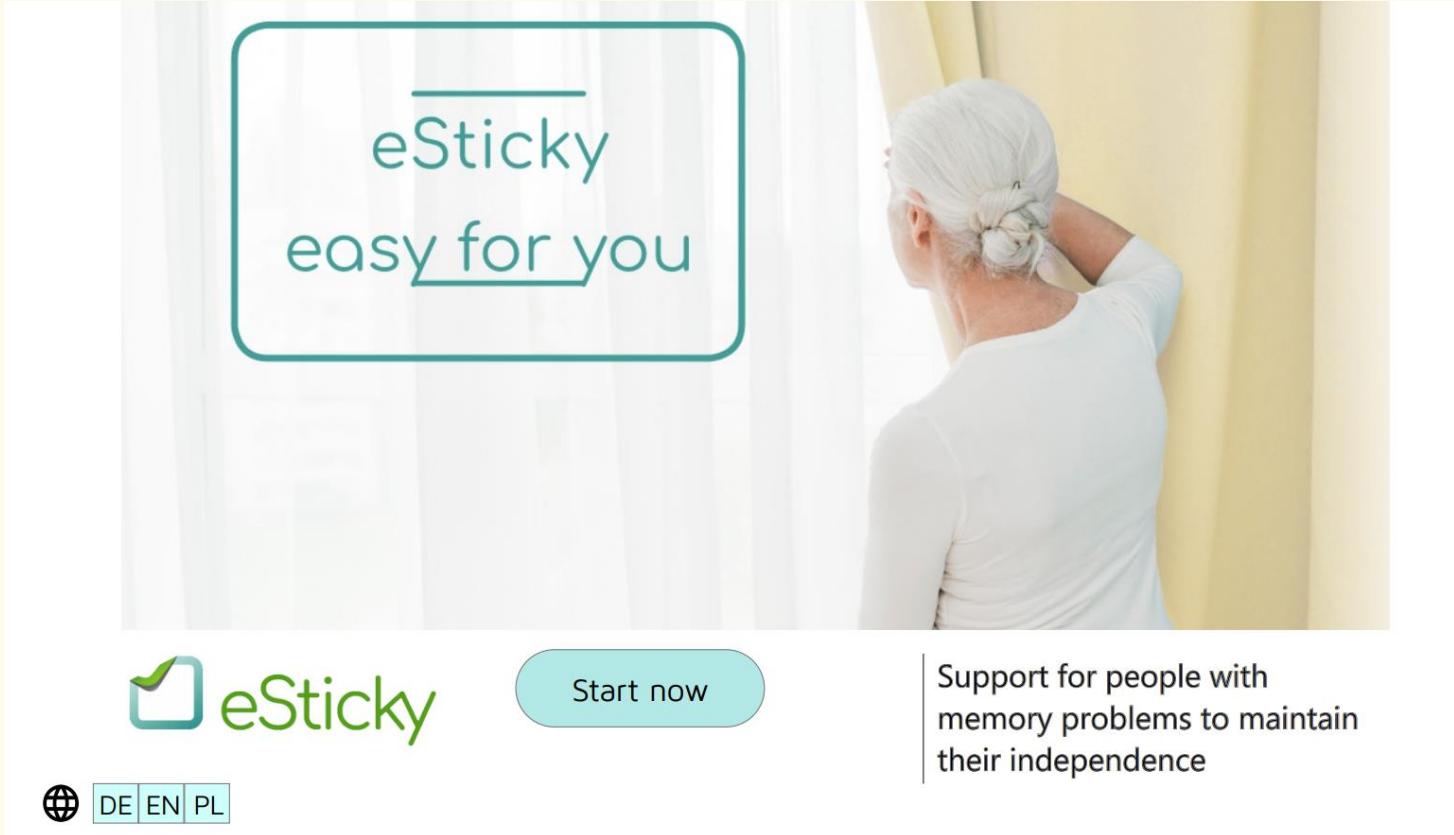
# Was ist passiert?

- Benutzer wird daran erinnert zu trinken
- Benutzer bestätigt mit OK
- Pflegeperson bekommt die Bestätigung, dass die Nachricht gelesen wurde

# Wer steckt hinter eSticky?

- Hics srl (Pescara, Italy) (Coordination)
- Kompetenznetzwerk KI-I (Linz, Austria)
- Department of Computer Science, University of Cyprus (Nicosia, Cyprus)
- Harpo Sp. z o. o. (Poznan, Poland)
- Assistenz24 gGmbH (Vienna, Austria)
- Werner Daxberger (Linz, Austria)
- Gerd Rosenauer (Linz, Austria)

# Erste Entwürfe zum Web Portal



The image shows a mockup of the eSticky web portal homepage. At the top left is a white rectangular box with a green rounded rectangle border containing the text "eSticky" above "easy for you". Below this is a large photograph of a woman with white hair tied back, wearing a white t-shirt, stretching her arms behind her head. At the bottom left is the eSticky logo. To its right is a teal button with the text "Start now". To the right of the button is a vertical text box containing the text "Support for people with memory problems to maintain their independence". At the bottom left of the page are language selection buttons for DE, EN, and PL.

eSticky  
easy for you

Start now

Support for people with  
memory problems to maintain  
their independence

DE EN PL

Please choose a name for the base station and  
register to the registration Server or Login if you already have an account

Base station  234343243

Name

[Login](#)

[Register](#)



## Please register

Firstname

Hans

Lastname

Hans

E-mail

test@mail.com

Password

\*\*\*\*\*

Register





## eSticky for your home

Connect to the base Station of Hans

E-mail

 ▼

Password

 ✖

→ Sign in

Please pair the displays and assign a name to each one of them

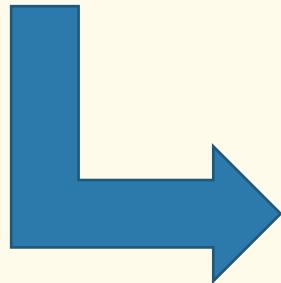
1. Switch on your monitor and press the button on the back of the monitor to make it discoverable by the Basestation.
2. On the Right Hand you see a list, where your monitor should appear.
3. Click on the monitor in the list, give it a name and enter the code which is shown on the monitor.

NAME	CODE
Living Room	95673
<b>Save</b>	



### Benutzer Rückmeldung:

- Verbinden der Geräte zu kompliziert → Daher werden die Bildschirme entweder fertig gepaart ausgeliefert, oder es wird eine Möglichkeit gefunden, um auf das Pairing zu verzichten.



### Benutzer Rückmeldung:

- Das „+“ Zeichen sagt zu wenig aus. Daher wird der Text „Benutzer hinzufügen“ zu dem Symbol dazu kommen.

Please set up the user accounts with the corresponding roles

Rights <input checked="" type="radio"/> Low <input type="radio"/> High <input type="radio"/> admin	Rights <input type="radio"/> Low <input checked="" type="radio"/> High <input type="radio"/> admin	Rights <input type="radio"/> Low <input type="radio"/> High <input checked="" type="radio"/> admin
Low Level Rights will not allow to edit or delete Messages which are created by other persons.  Hans hans@gmail.com  Description	High Level Rights will allow the Person to edit and delete Messages from other persons.  Maria maria@gmail.com  Description	Admin Rights will allow the Person to edit and delete Messages from other persons, add/edit secondary users and add/edit monitors.  name e-mail  Description
<b>Confirm</b>		



MESSAGE LIST CALENDAR MONITOR STATUS SETTINGS LOGOUT Hello Lisa 

Connected with:  Hans

Message List 

Empty

Excepteur sint.  
Excepteur sint occaecat cupidatat non  
proident, sunt in culpa qui officia deserunt

Edit Message   
Delete Message   
Add new Message 

MESSAGE LIST CALENDAR MONITOR STATUS SETTINGS LOGOUT

Hello Lisa

Connected with: Hans

Enter your text

Lore ipsum dolor sit amet, consectetur adipisciing elit, sed do eiusmod tempor incididunt ut ero labore et dolore

CREATE A NEW MESSAGE

Active  Active Message Passive

Start date  
5 5 2020

End date  
0 0 0  Activated

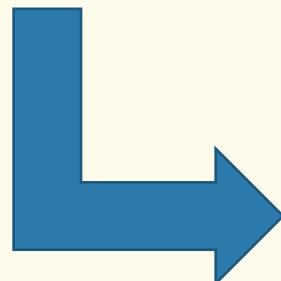
Design the message

icon search

### Benutzer Rückmeldung:

- Erklärung aktiv/passiv
- Symbol Übersicht anstatt Suchleiste
- Funktionen deaktivieren verwirrt
- Zu hohe Komplexität
- Option mehr als einen Monitor zu wählen muss sichtbarer sein



Start Time      End Time      Duration

10 : 00  Activated      23 : 00  Activated      h 02 : 00 min  Activated

Repeat

02 : 00 min  Activated      Every day  Activate

Choose the monitor on which the message should appear

Kitchen  Active

Preview      Finished



 MESSAGE LIST
CALENDAR
MONITOR STATUS
SETTINGS
LOGOUT

 **Please check the monitor status**

### Message List



Hello Lisa 
  
Connected with: 
  
Hans 

**Drink Water**

 Start date: 05.05.2020

Repeat: Every day

 Start time: 10:00

End time: 23:00

created by: Lisa  On

**Exceuteur sint.**  
Exceuteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt

**Call Dr. Schulz** ✓

 Start date: 02.05.2020

 Start time: 9:00

End time: 10:00

**Confirmed**

created by: Lisa  Off

**Exceuteur sint.**  
Exceuteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt

**Exceuteur sint.**

Exceuteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt

**Exceuteur sint.**

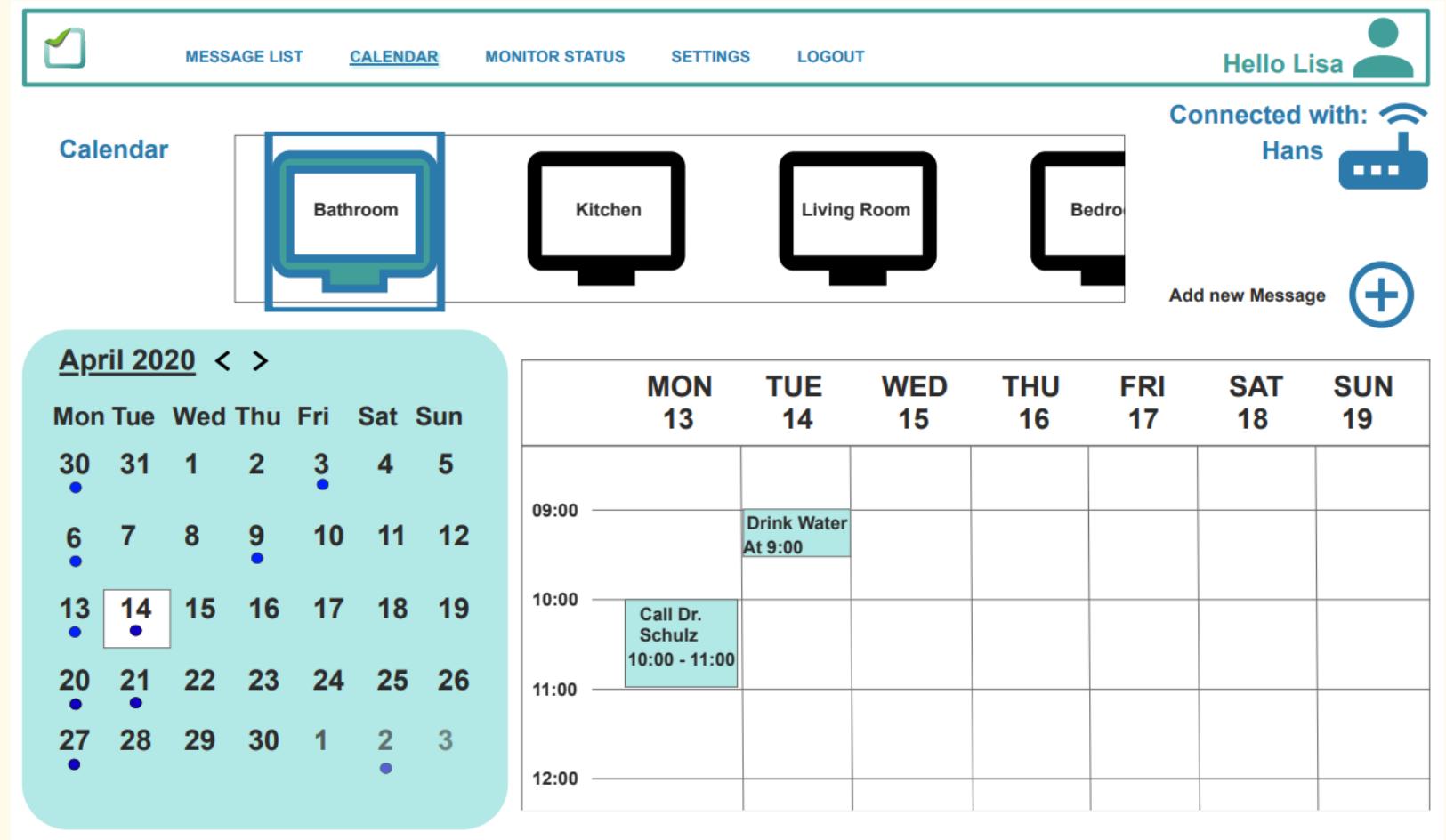
Exceuteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt

 Edit Message
 Delete Message
 Add new Message

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## Benutzer Rückmeldung:

- Horizontales Scrolling der Displays nicht optimal

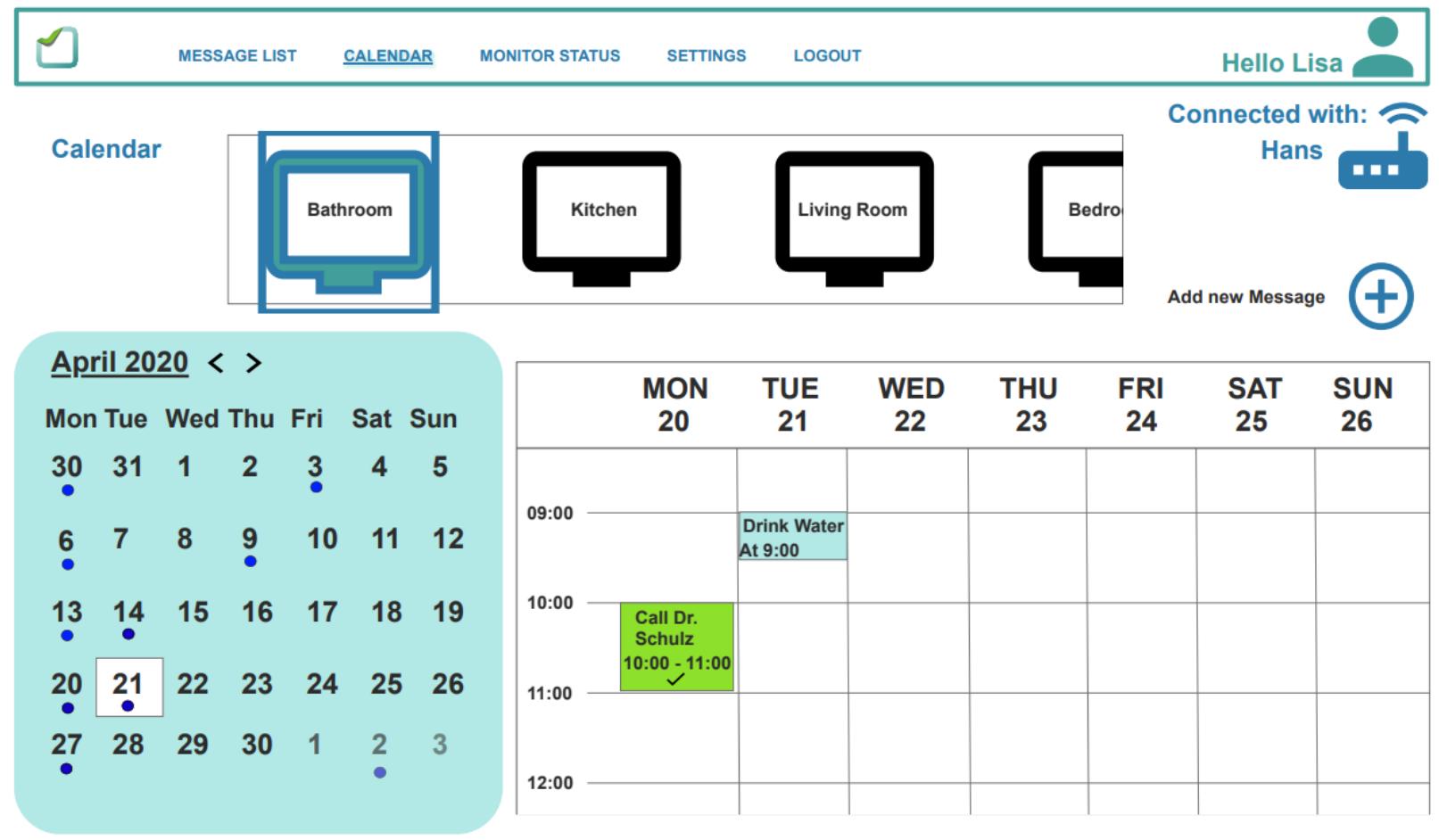


The screenshot shows the eSticky application interface. At the top, there is a navigation bar with icons for MESSAGE LIST, CALENDAR, MONITOR STATUS, SETTINGS, and LOGOUT. To the right of the navigation bar, it says "Hello Lisa" with a user icon. Below the navigation bar, there is a section titled "Connected with:" showing "Hans" connected via a Wi-Fi icon. On the left, there is a "Calendar" section with icons for Bathroom, Kitchen, Living Room, and Bedroom. In the center, there is a monthly calendar for April 2020. The days are numbered from 30 to 19. The 14th is highlighted with a white box. A tooltip for the 14th says "Call Dr. Schulz 10:00 - 11:00". On the right, there is a detailed view of the calendar grid for the week starting Monday, 13th. It shows events for the 14th at 09:00 ("Drink Water At 9:00") and 10:00 ("Call Dr. Schulz 10:00 - 11:00").

MON	TUE	WED	THU	FRI	SAT	SUN
13	14	15	16	17	18	19

## Benutzer Rückmeldung:

- Unterschied aktiv/passiv nicht erkennbar, außer über Bestätigung (Kleines ,A' in oberer Ecke)
- Wenn eine aktive Nachricht nicht bestätigt wurde, rote Farbe mit ,!'



The screenshot shows the eSticky application interface. At the top, there is a navigation bar with icons for MESSAGE LIST, CALENDAR (underlined), MONITOR STATUS, SETTINGS, and LOGOUT. To the right of the navigation bar, it says "Hello Lisa" and "Connected with: Hans". Below the navigation bar, there are four icons representing different rooms: Bathroom (blue), Kitchen (black), Living Room (black), and Bedro (black). On the right side, there is a button labeled "Add new Message" with a plus sign icon.

**Calendar View:**

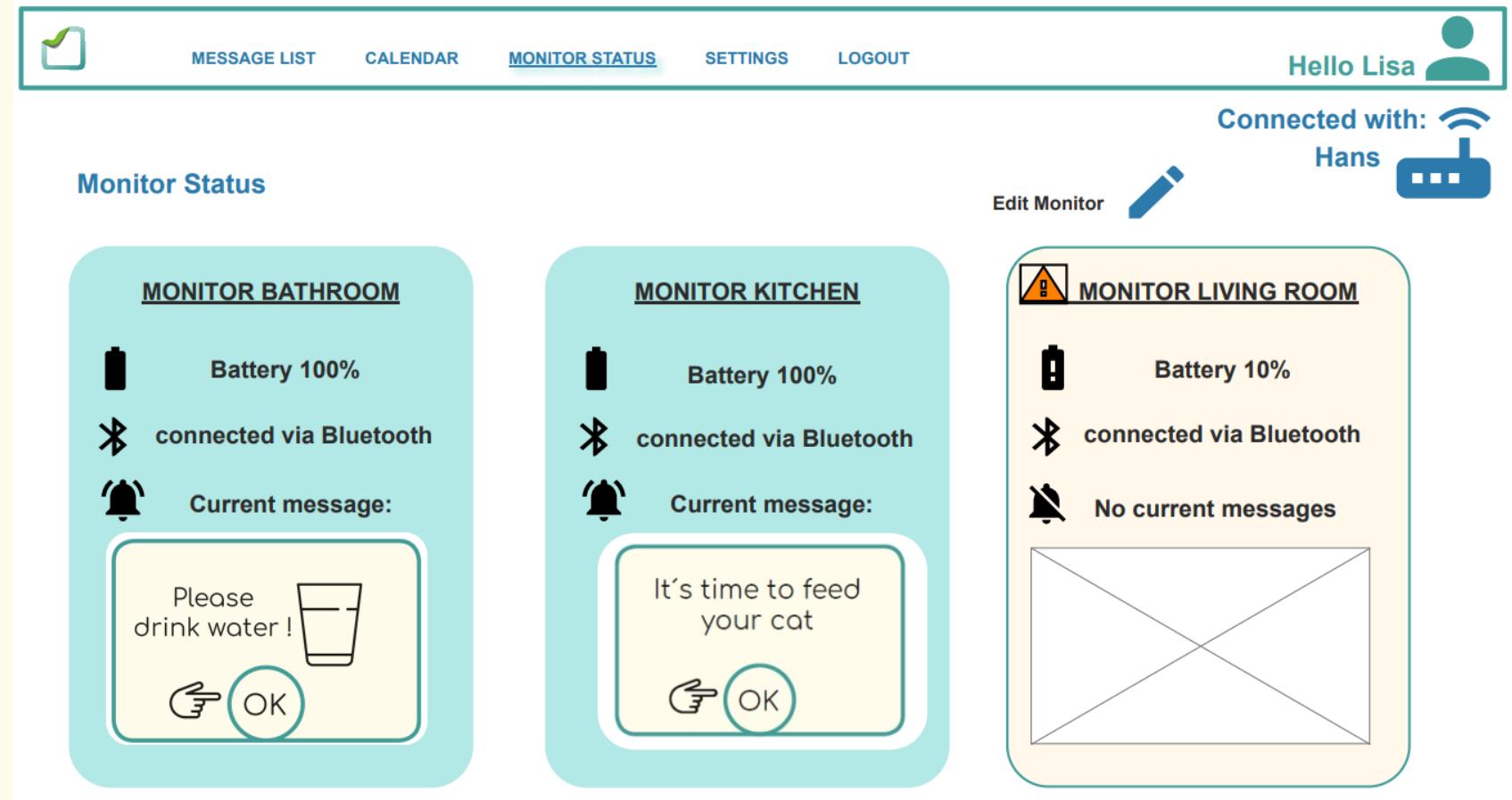
The calendar shows the month of April 2020. The days are labeled as Mon, Tue, Wed, Thu, Fri, Sat, Sun. The dates 30, 31, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 1, 2, 3 are listed. The date 21 is highlighted with a white border.

**Message List View:**

MON	TUE	WED	THU	FRI	SAT	SUN
20	21	22	23	24	25	26
09:00 -						
10:00 -		Drink Water At 9:00				
11:00 -	Call Dr. Schulz 10:00 - 11:00 ✓					
12:00 -						

## Benutzer Rückmeldung:

- Bearbeiten Symbol direkt auf der Monitor Schaltfläche



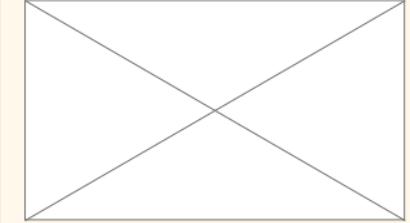
The screenshot shows the eSticky web interface with a navigation bar at the top:

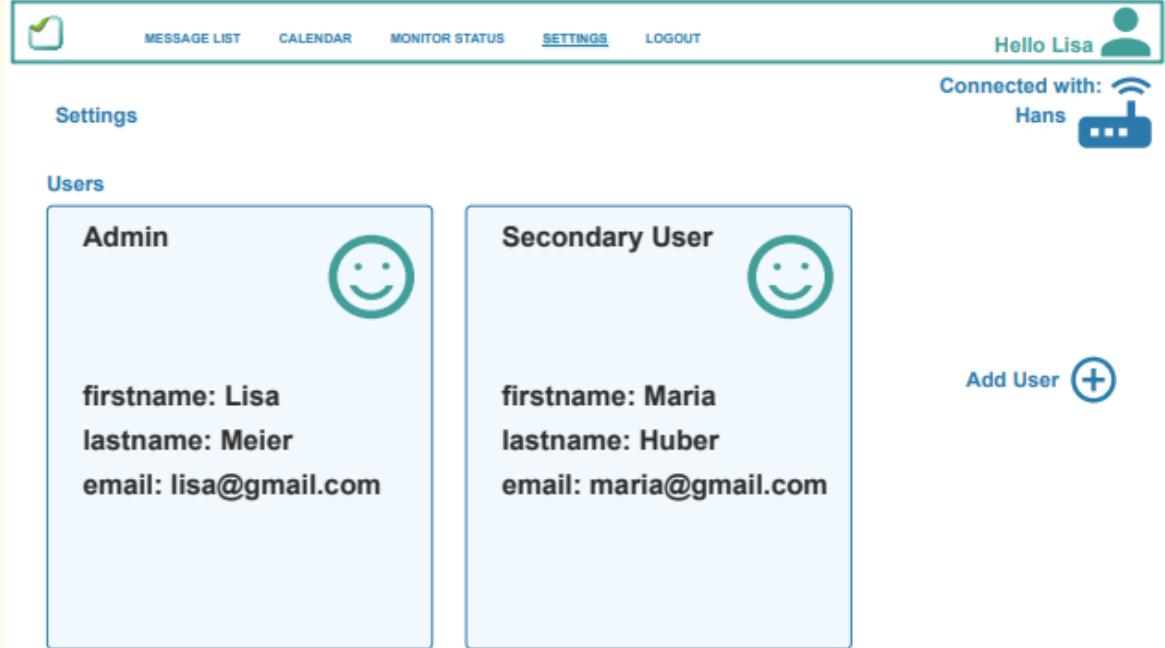
- MESSAGE LIST
- CALENDAR
- MONITOR STATUS
- SETTINGS
- LOGOUT

On the right side, there is a user profile section:

- Hello Lisa
- Connected with: Hans
- 

The main content area displays "Monitor Status" for three monitors:

- MONITOR BATHROOM**
  - Battery 100%
  - connected via Bluetooth
  - Current message:  
Please drink water ! 
  -  OK
- MONITOR KITCHEN**
  - Battery 100%
  - connected via Bluetooth
  - Current message:  
It's time to feed your cat
  -  OK
- MONITOR LIVING ROOM**
  - Battery 10%
  - connected via Bluetooth
  - No current messages
  - 



MESSAGE LIST   CALENDAR   MONITOR STATUS   SETTINGS   LOGOUT

Hello Lisa 

Connected with:  Hans

**Settings**

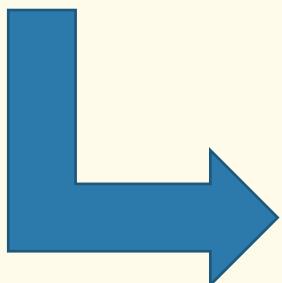
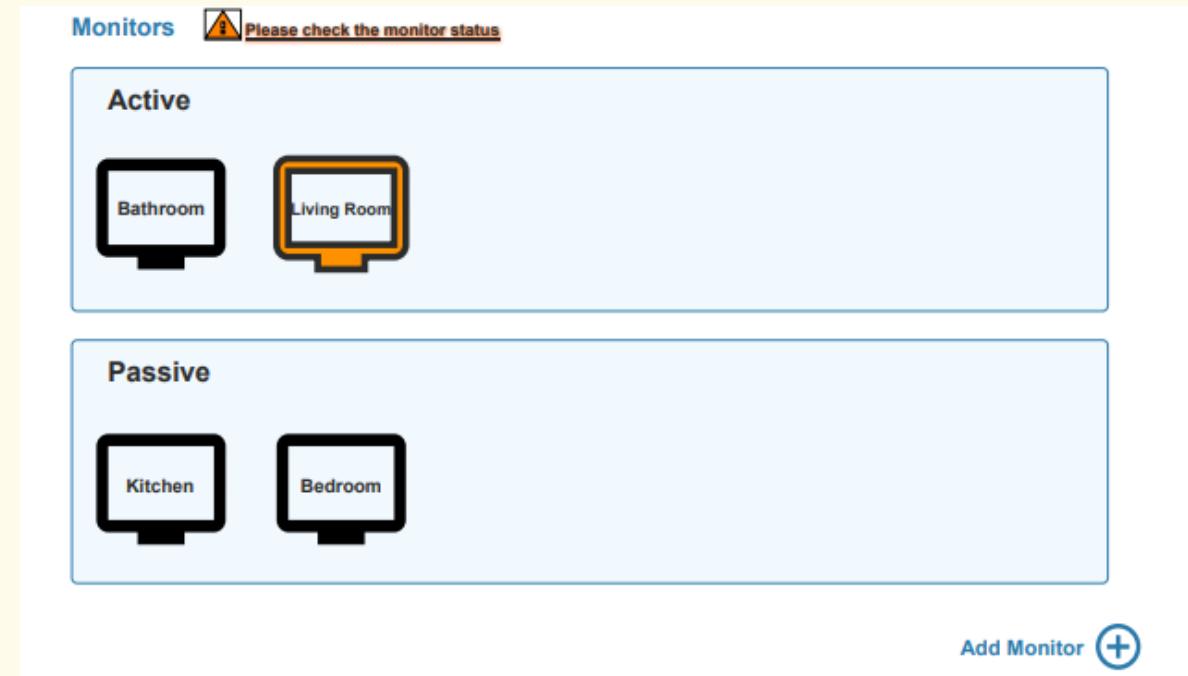
**Users**

User Type	Profile Picture	Firstname	Lastname	Email
Admin		Lisa	Meier	lisa@gmail.com
Secondary User		Maria	Huber	maria@gmail.com

Add User 

### Benutzer Rückmeldung:

- Der Warnstatus sollte direkt unter dem betroffenen Monitor stehen

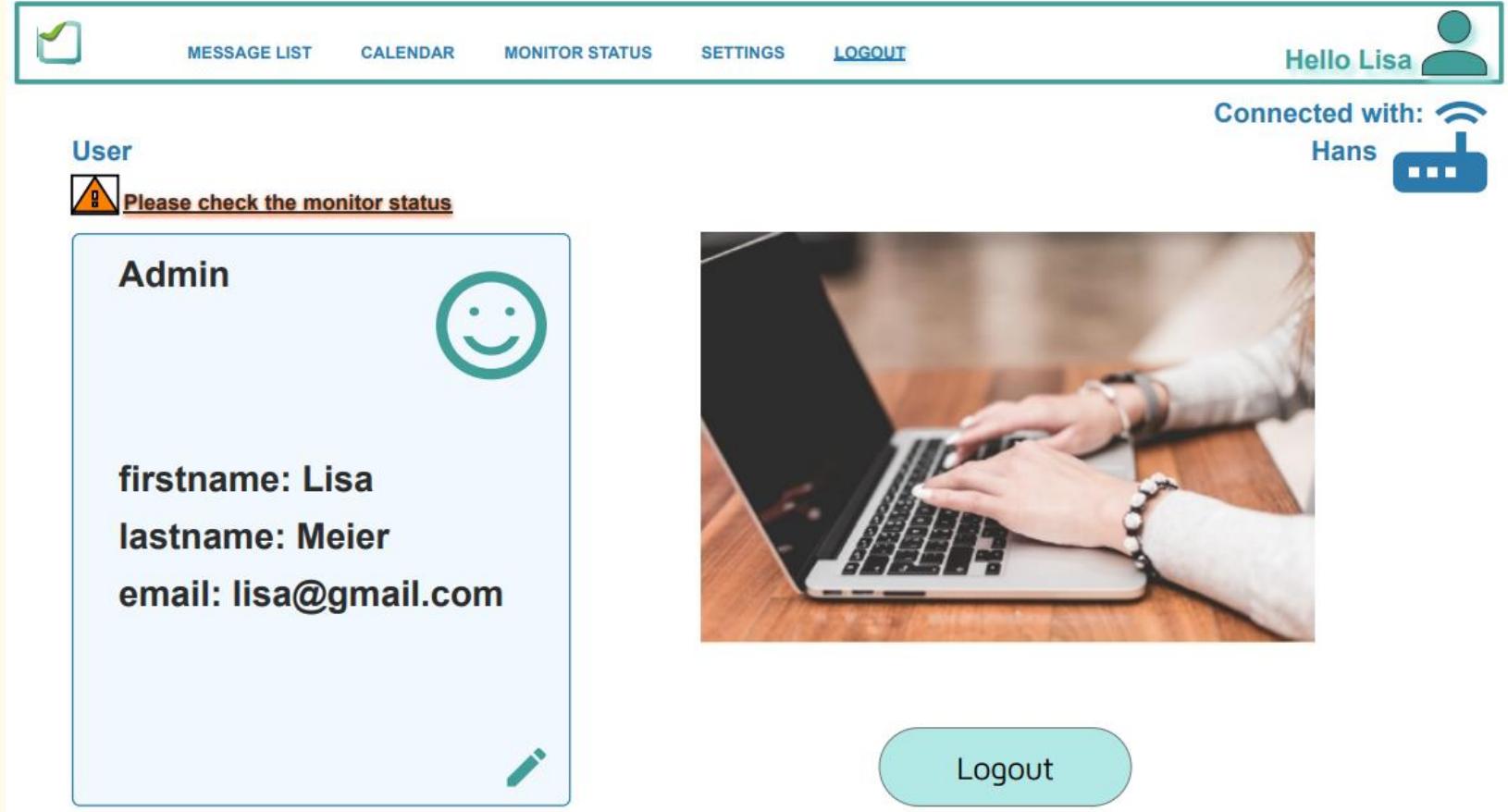
**Monitors**  Please check the monitor status

Status	Monitor Name
Active	Bathroom 
Passive	Living Room 
Passive	Kitchen 
Passive	Bedroom 

Add Monitor 

## Benutzer Rückmeldung:

- Abmeldeseite weglassen.  
Stattdessen wird der Benutzer nach dem Drücken von „Logout“ im Hauptmenü um eine Bestätigung gebeten.



The screenshot shows the eSticky application interface. At the top, there is a navigation bar with icons for MESSAGE LIST, CALENDAR, MONITOR STATUS, SETTINGS, and LOGOUT. On the right side of the top bar, it says "Hello Lisa" with a user icon and "Connected with: Hans" with a device icon. Below the navigation bar, there is a section titled "User" with a warning icon and the message "Please check the monitor status". A blue box contains the user's profile information: "Admin" (role), a smiley face icon, "firstname: Lisa", "lastname: Meier", and "email: lisa@gmail.com". At the bottom of this box is a small edit icon. To the right of the profile box is a photograph of a person's hands typing on a laptop keyboard. At the bottom right, there is a teal-colored "Logout" button.



MESSAGE LIST

CALENDAR

MONITOR STATUS

SETTINGS

CHOOSE BASESTATION

LOGOUT

Hello Maria



LOREM IPSUM 1h ago



Hans

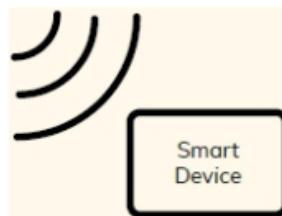
Connect to the base Station  
of Hans

LOREM IPSUM 1h ago



Petra

Connect to the base Station  
of Petra

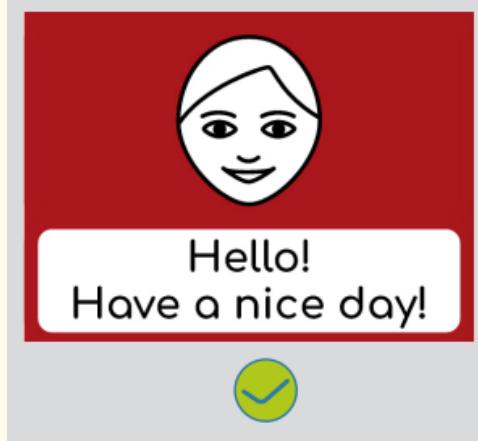


# Benutzer Rückmeldung zu den Entwürfen

- Textgröße (in Relation zu den Bildern)
- Einheitliche Schaltflächen Repräsentation
- Licht- oder Tonsignale. Derzeitige Diskussion:
  - Einbauen von Lautsprechern oder LEDs
  - Batterieverbrauch
  - Abhängig von weiteren Tests
- Nachrichten mit verschieden langem Text

# Überarbeiteter Entwurf der Nachrichtenseite

Preview of the display:



Response button is active!

Select color-combination:



Change icon:

Change font size:

Change text:  
Click here

Hello!  
 Have a nice day!

Select start date:

Select start time:

Select repeat interval:

Select weekday(s):

Monday	<input checked="" type="checkbox"/>
Tuesday	<input type="checkbox"/>
Wednesday	<input type="checkbox"/>
Thursday	<input type="checkbox"/>
Friday	<input type="checkbox"/>
Saturday	<input type="checkbox"/>
Sunday	<input type="checkbox"/>

Active  Passive

Select active / pasive message:

active: message is displayed and should be confirmed by user with responsebutton.  
 passive message is only displayed.



# Weitere Infos

- <https://esticky.eu/>

# Fragen???

