

## **Students at HM develop revolutionary support application "TaDo" for caregivers of Alzheimer's patients.**

*A new language software to support caregivers of Alzheimer's patients was developed by computer science students at Munich University of Applied Sciences. It facilitates the documentation of all care steps and allows caregivers and patients to query which treatments have already been carried out by whom.*

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A new support software for caregivers and relatives of Alzheimer's patients has been developed at Munich University of Applied Sciences. The novel Alexa "TaDo" application can easily and quickly manage daily care tasks and needs for individual patients. A web portal is used to retrieve and export documented activities. In addition, automatic reminders can be created for important tasks.

"Thanks to "TaDo", family members and caregivers can now see much faster what they can or have to do and when. This means that tasks are no longer duplicated and caregivers can use their time more efficiently," says Katharina Bürger, Chairwoman of the Alzheimer's Society Munich.

Caregiver Helena Müller says enthusiastically, "Previously, every care measure had to be laboriously documented on paper. The patients didn't always know what still had to be done, so I and the other caregivers always had to look it up. With "TaDo" our work is much easier and efficient now."

Four computer science students developed the speech support in a lecture as part of a cooperation with Amazon AWS and the Alzheimer's Foundation. It enables caregivers and family members of Alzheimer's patients to create checklists that must then be completed at specific intervals, e.g., daily. In addition, a web application makes it possible to download or print out the checklists so that they can be filed away as documentation. Checklists for several patients can be managed with a single device. The students published their work as an open source project.

Previously, a lot of documentation had to be typed in by the nursing staff on paper or into the computer. Due to the illness, the patients themselves usually do not know exactly what has already been done and when or what still has to be done. To create a new checklist for Mr. Müller, the nurse can now simply say "Alexa, create a new checklist for Mr. Müller". Then Alexa asks, "What are the tasks?", whereupon the nurse enumerates: "Breakfast, brushing teeth, washing, lunch and dinner". Finally, Alexa asks how often the checklist needs to be completed, to which the caregiver responds, for example, "Daily".

Find out more and try out "TaDo" at [www.tado.cs.hm.edu](http://www.tado.cs.hm.edu).