DMMS Collection of research:

Elevator Pitch/Concept definition:

We will create a System that helps with the patients safety concerns. It addresses the most important and dangerous situations that can occur. Thereby it assists the patient and the caretakers to provide more safety to the patient and reduce the overall stress for everyone.

Persona:

The product is designed for the patient aswell as the people that watch out for them

Needs:

The patient needs to be watched all the time, since dangerous situations can always occure

The caretakers have to always be aware of the patient’s current situation and be extremely flexible to be able to address that situation

Wishes:

Support in everyday life activities

Reducing the amount of tasks that emerge from the condition

The family and caretakers want the patient to be safe and also be able to live their lives as usual

The patient wants to feel safe and not panic over their own condition, they want to be cared for and not be treated like something would be wrong with them when they make mistakes

Requirements:

The patient has to be in a surrounding where they do not have so much possibility to get into dangerous situations and also be close to their caretakers

The patients should still feel free and not under endless surveillance

The caretakers need to be able to help the patient and know what the patient needs by being informed about their actions

Patient Journey:

The patient finds themselves outside, unaware of their position or surroundings. They are unable to get back, since they do not understand where they are. The patient can then either talk to the device or press the action button. The dive can then talk to the patient and provide them with a solution, either just a explanation of whats happening, a routedescription back, a call to someone or giving someone a message with their position

The caretaker is away from the patient and gets a urgent notification about the patient leaving the stove on or starting a fire etc. that the device recognized. Then the caretaker can react on that or maybe call the patient through the device.

Which products do already exist?:

Great formfactor:

<https://eu.plaud.ai/de/products/notepin?variant=51641974161775&gad_source=1&gclid=CjwKCAjwpbi4BhByEiwAMC8Jnb2wP-9l5-TTwMisUCrWS5RaaAXojKt5-Acad4BZz2Kix060P1FufBoCPpgQAvD_BwE>

Tips for safer environment that could maybe be integrated in the features:

<https://www.nia.nih.gov/health/safety/alzheimers-caregiving-home-safety-tips>

Smart home devices like google nest can be programmed to set reminders for medication appointments etc

Digital picture frames help with memorization

Electronic calendars can help a lot

Voice Assistants, Simplified Phones and Tablets

Smart home sensors and cameras

Cognitive and Brain training apps like Lumosity BrainHQ MindMate

Remote Monitoring tools

There are also already some tools:

<https://www.carepredict.com/home-care/>

<https://www.miicare.co.uk>

<https://www.medicalexpo.com/prod/earlysense-79796.html>

<https://elliq.com>