



AURA

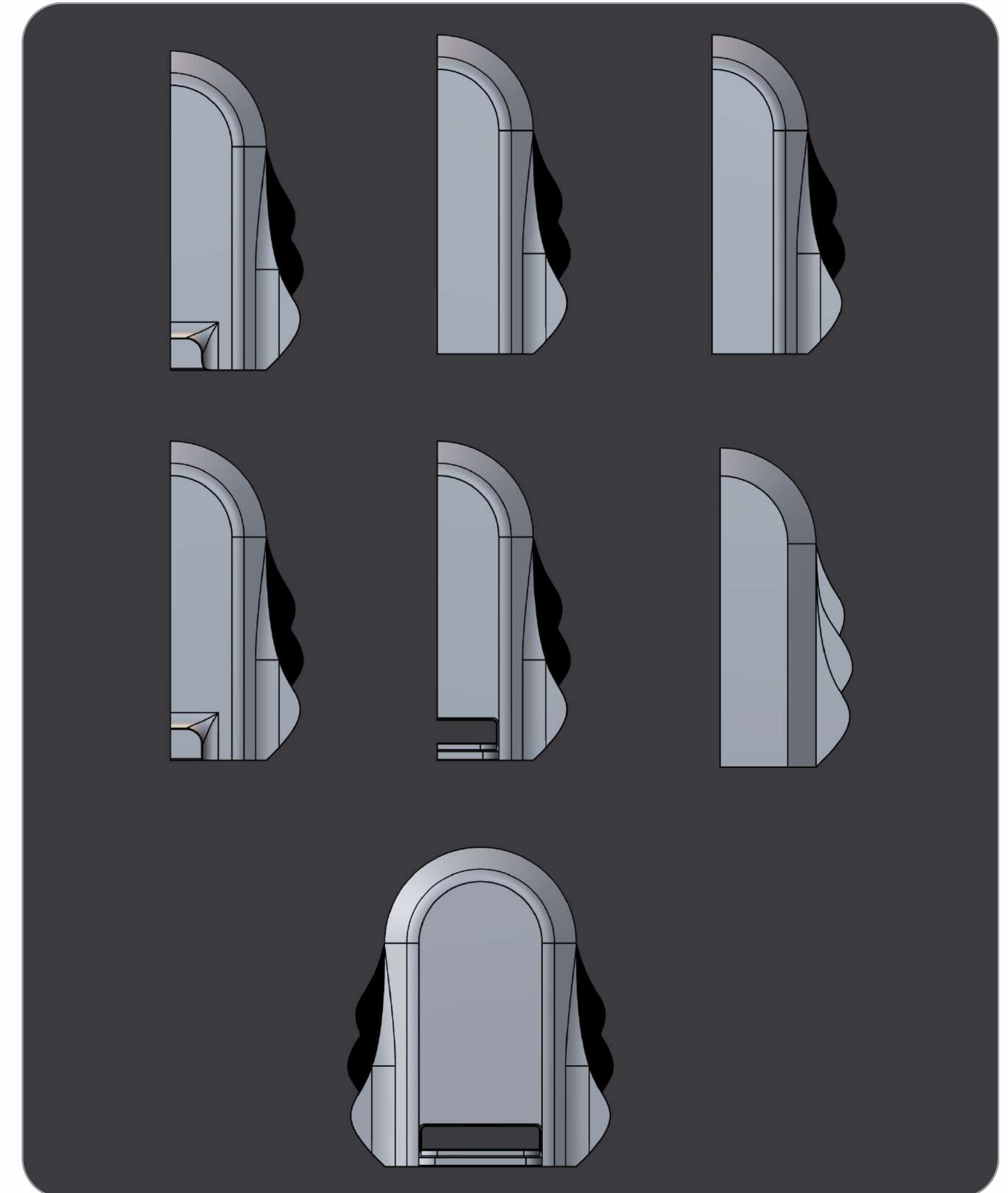
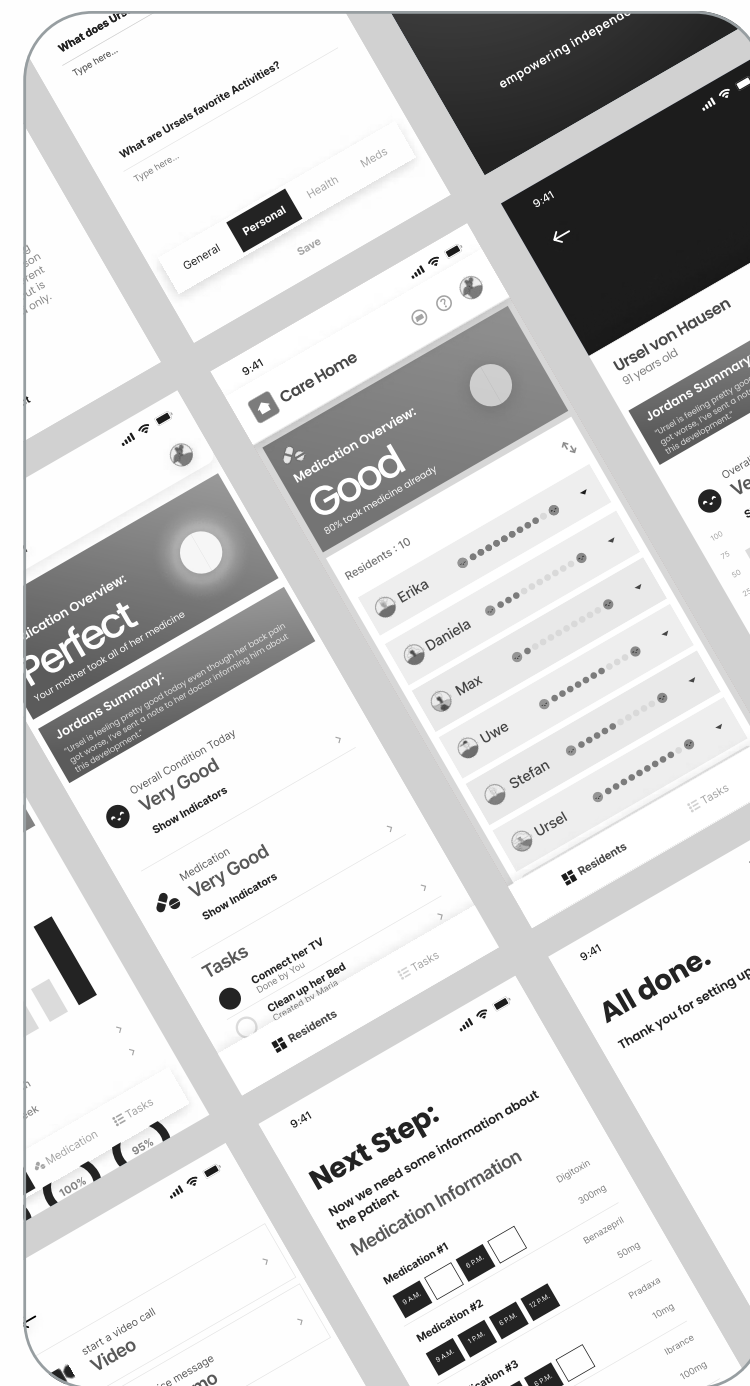
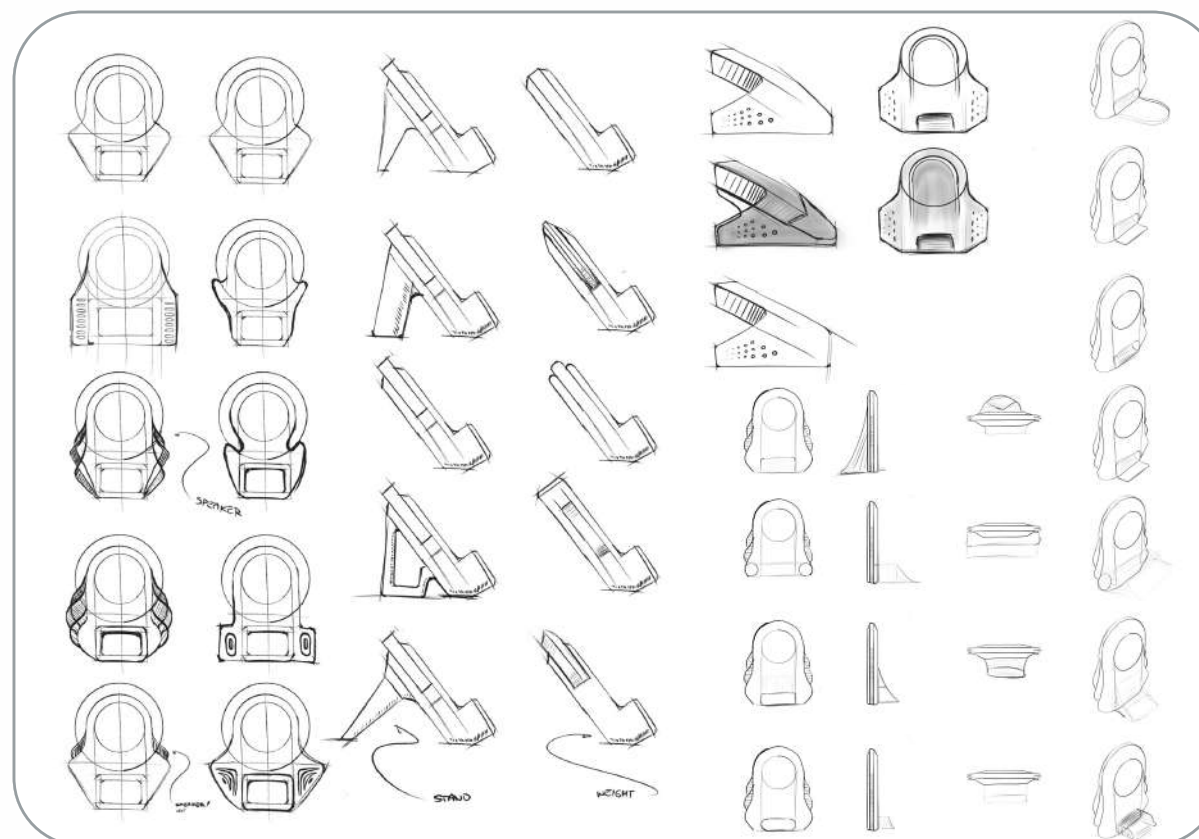
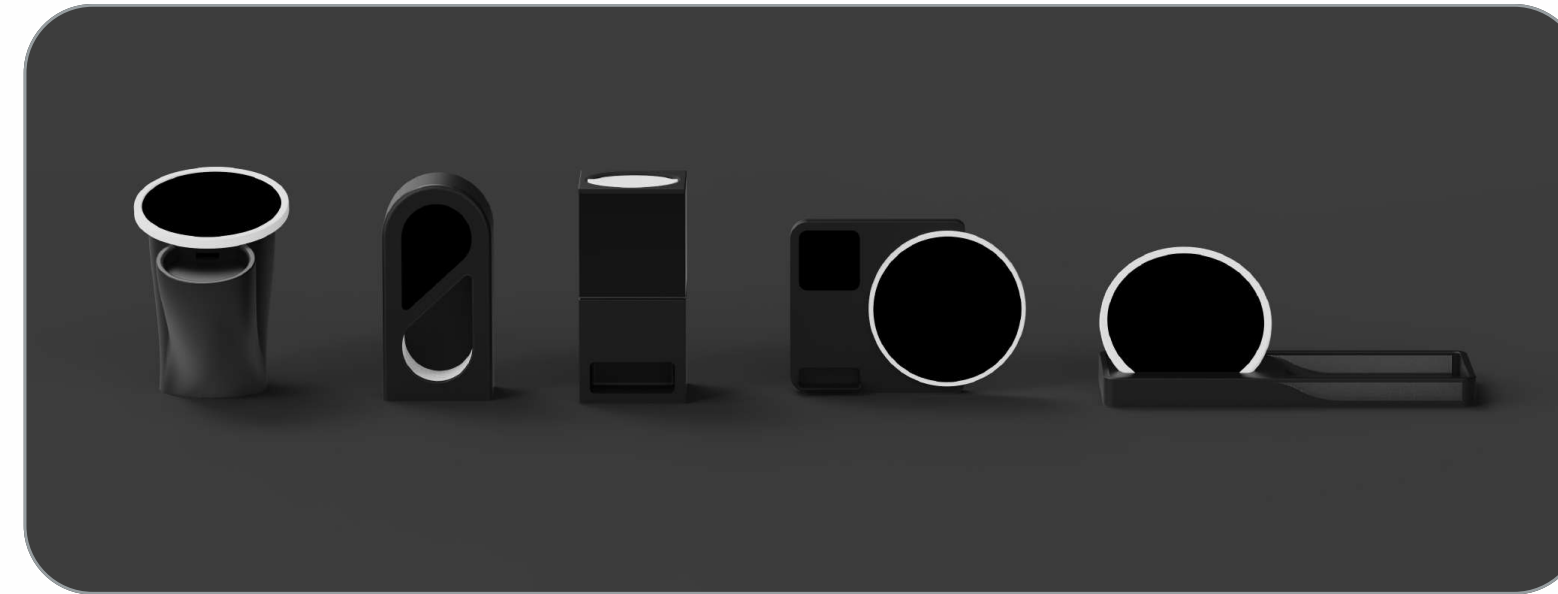
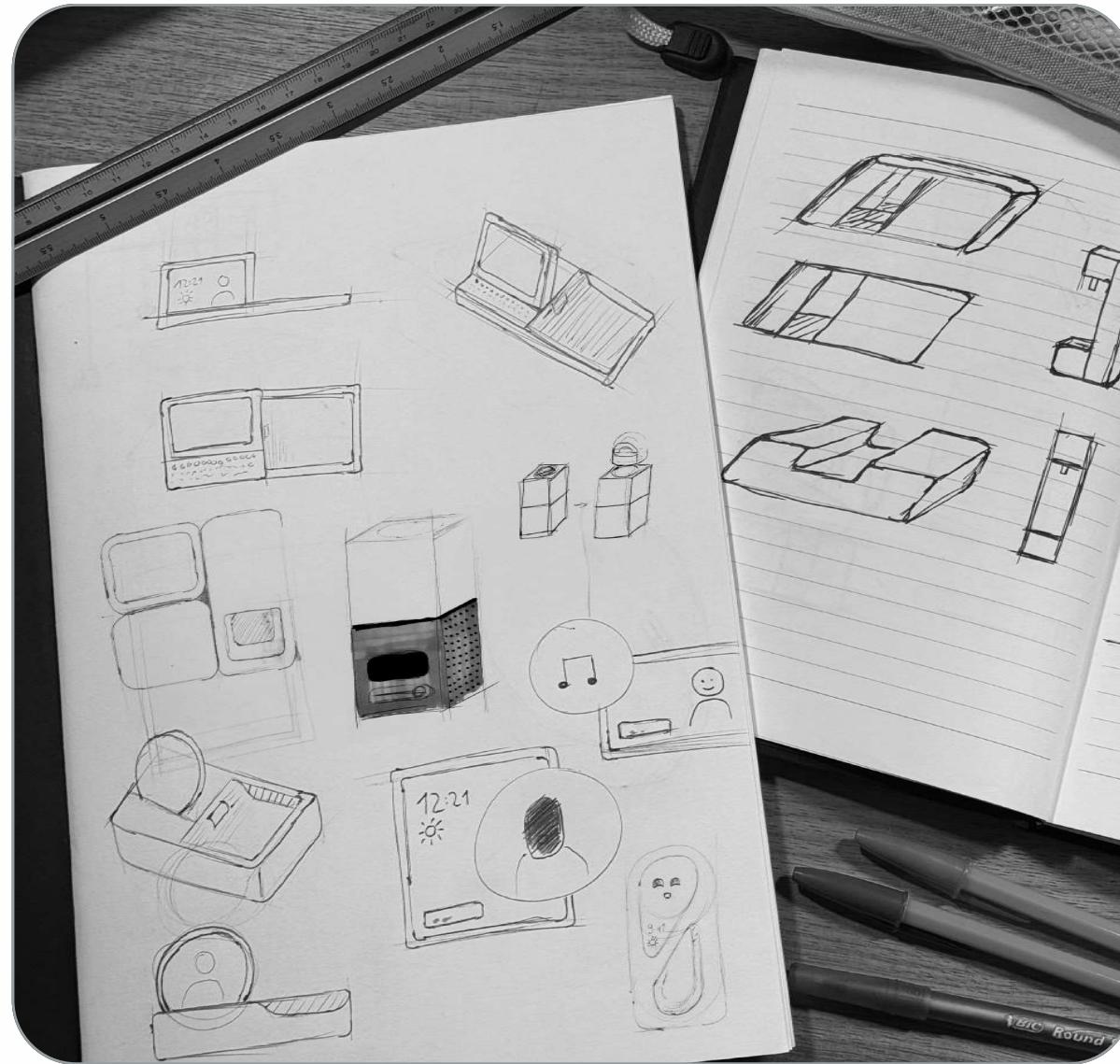
development with HTW Berlin
Moritz Scheffer & Luis Somasundaram

A Medication Dispenser

Prof. Pelin Celik - 1,0
16 weeks - 23/2024

Design Process

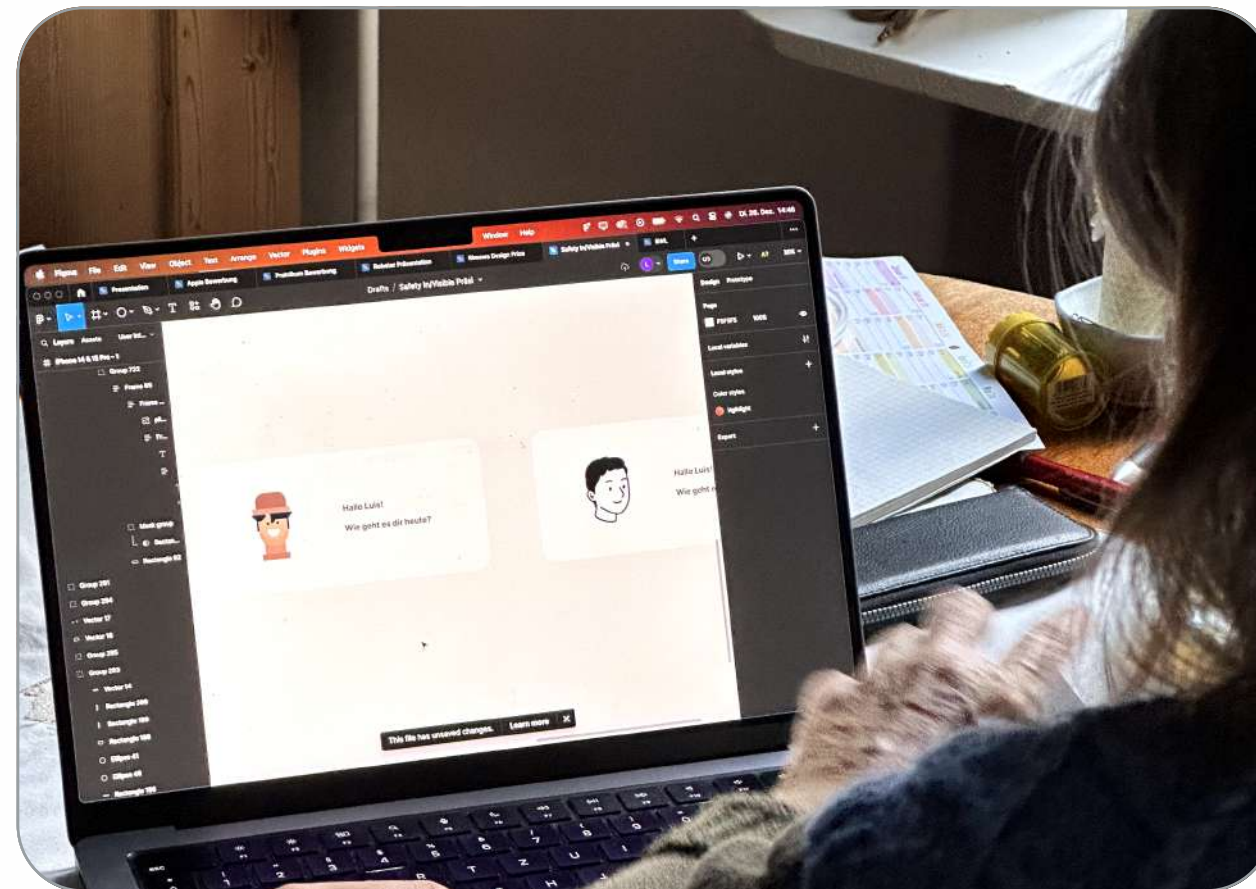
Subtle but engaging.



User Testing

Creating conversations.

We divided our user testing into three parts. Our priority was testing the **conversation between dementia patients and a customized AI** based on ChatGPT. This included testing the clarity of medication instructions, the use of check-in questions, and the naturalness of casual daily companionship conversations. After proving that this concept works, we continued on **creating a UI with an embodied character** to talk to. The last part was **testing our physical form**. This included its stability, ease of pill retrieval, and determining the optimal size for practicality and user comfort.



User Testing Results



actively engage
Conversation



stick to 100%
voice based
interface

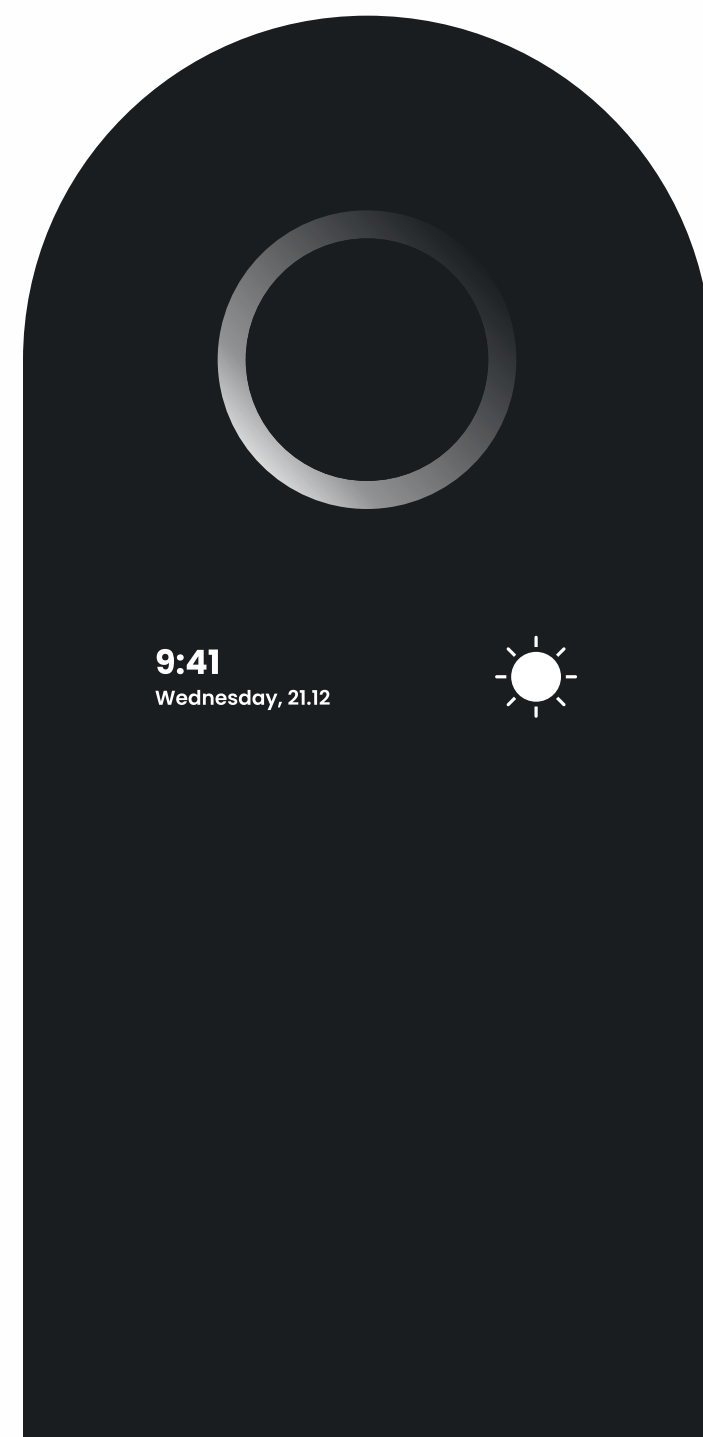


wait for the user
to complete their
thought

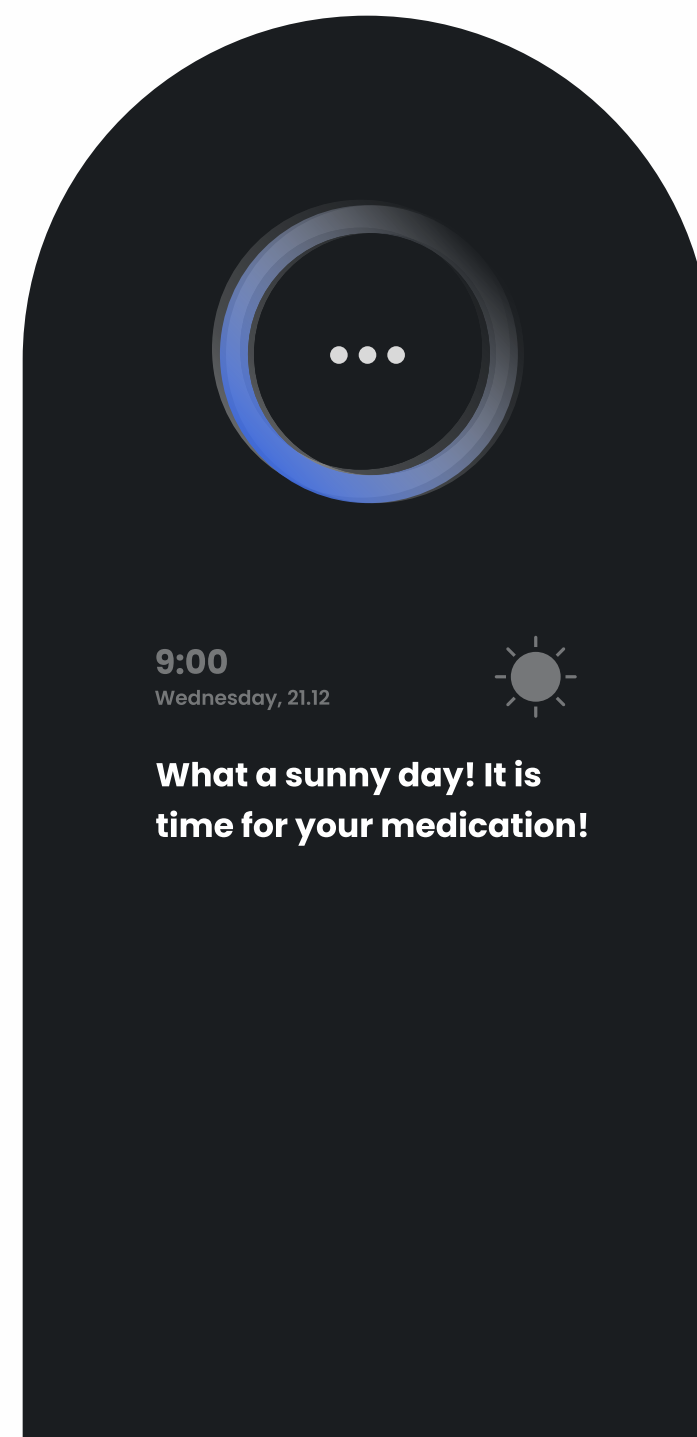


User Interface

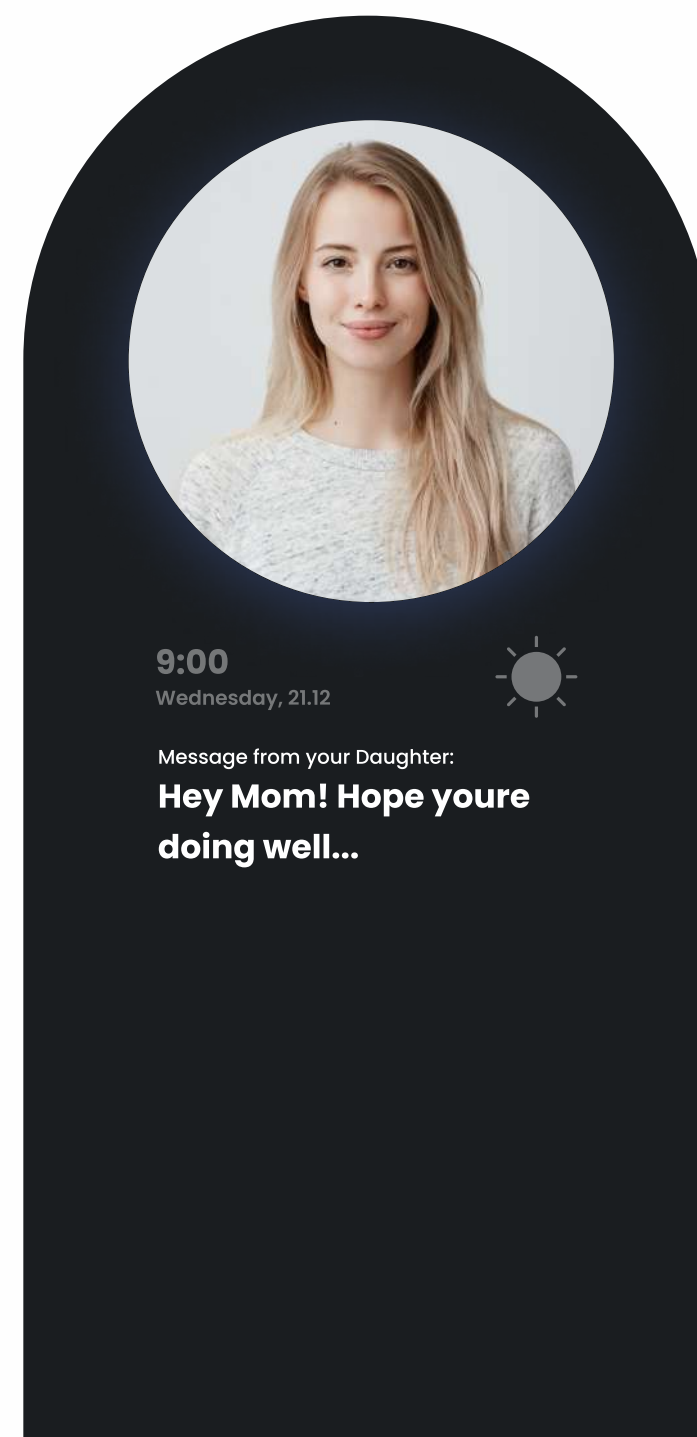
The two sides.



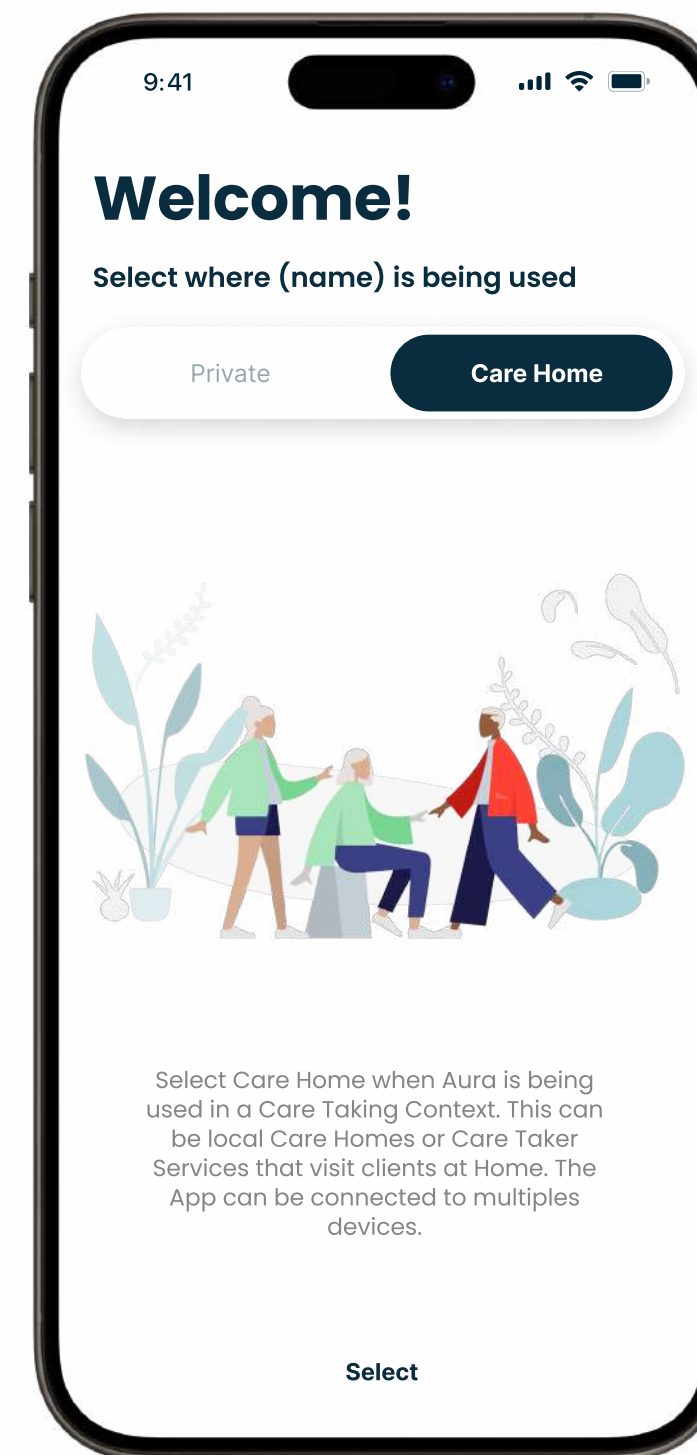
Standby/Info Screen



Medication Start



Message Incoming



Onboarding



Care - Overview



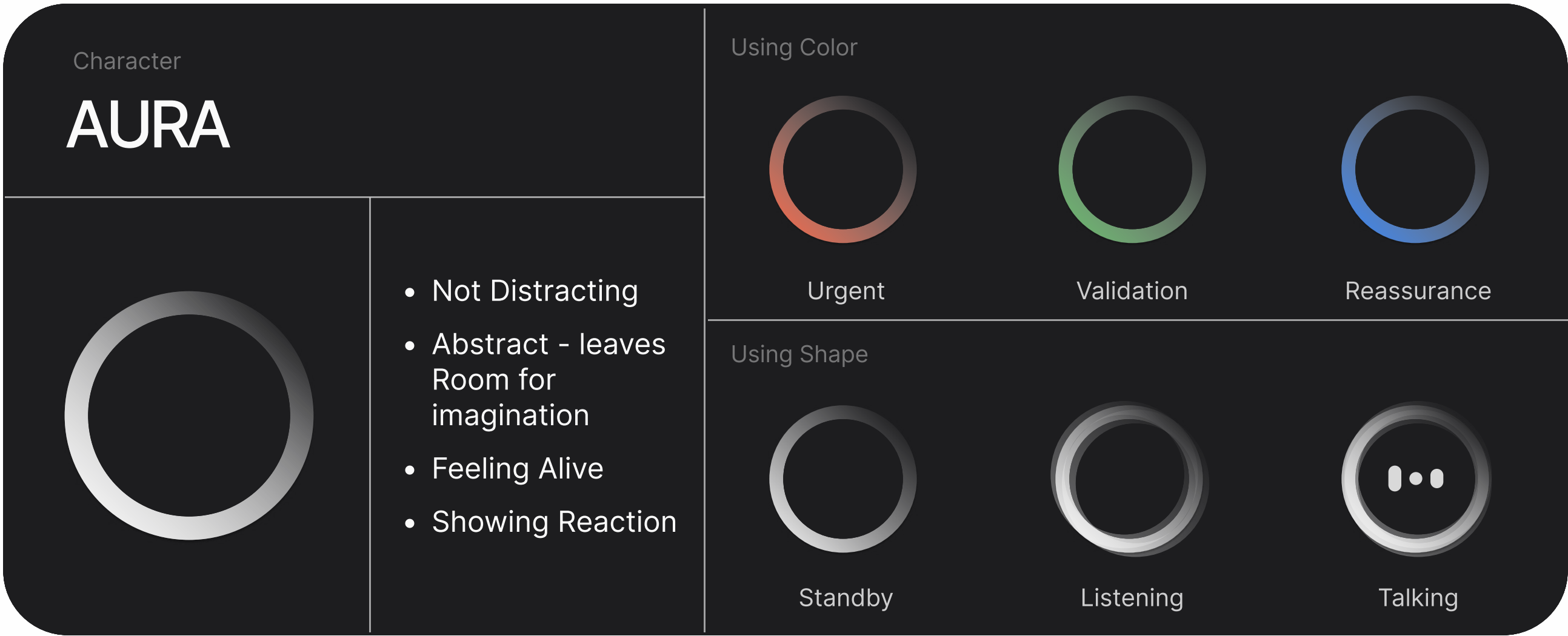
Patient Details



User Experience

Meeting the Needs.

When designing AURA's information architecture, we established it as a link between patients and their network of family, caregivers, and doctors. AURA acts as a central hub, organizing and distributing data relevant to each party. For patients, the user journey is anchored in a Speech UI, while others interact through an app. In crafting the patient's ux, we used two key principles to ensure optimal outcomes. Additionally AURA uses both audio and visual cues to encourage medication adherence. For example 'After taking your medication, we can listen to your favorite song!' This approach integrates treatment with enjoyable activities, enhancing the overall user experience.



① Concept

Validation

② Concept

Reassurance

The Needs AURA fullfills:



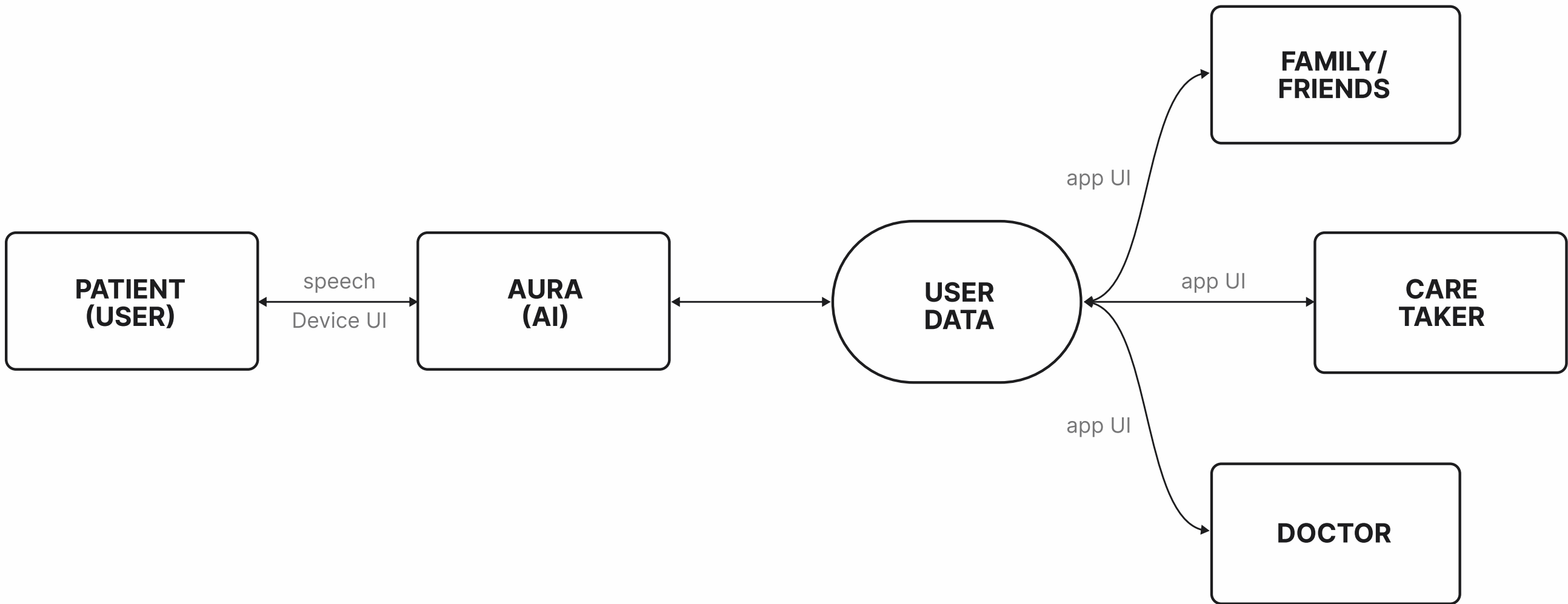
Safety



Autonomy



Connectedness



Prototyping

Showcasing Aura.

