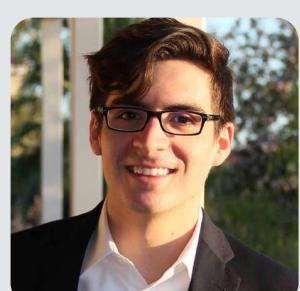
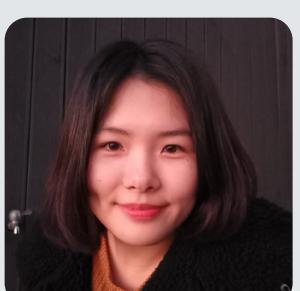


# Towards Leveraging End-User Knowledge for Long-Term Use of Robots in Care Facilities



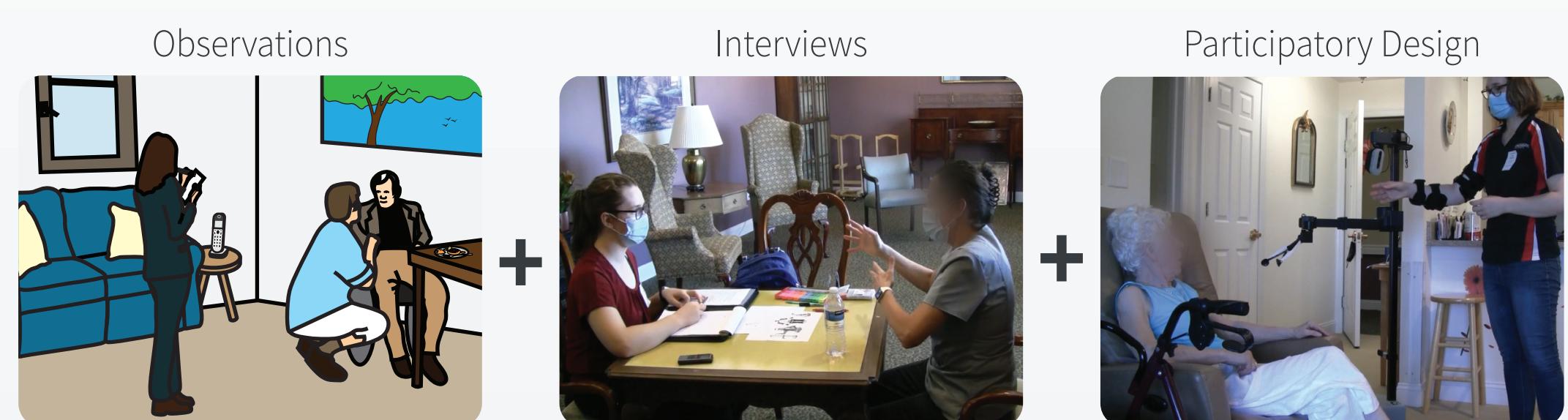
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End-User Programming (EUP) can enable caregivers to rapidly specify new behaviors for care robots. *How can we make effective on-the-fly, “no-code” end-user tools?*

## Our Work with Robots in Care Facilities

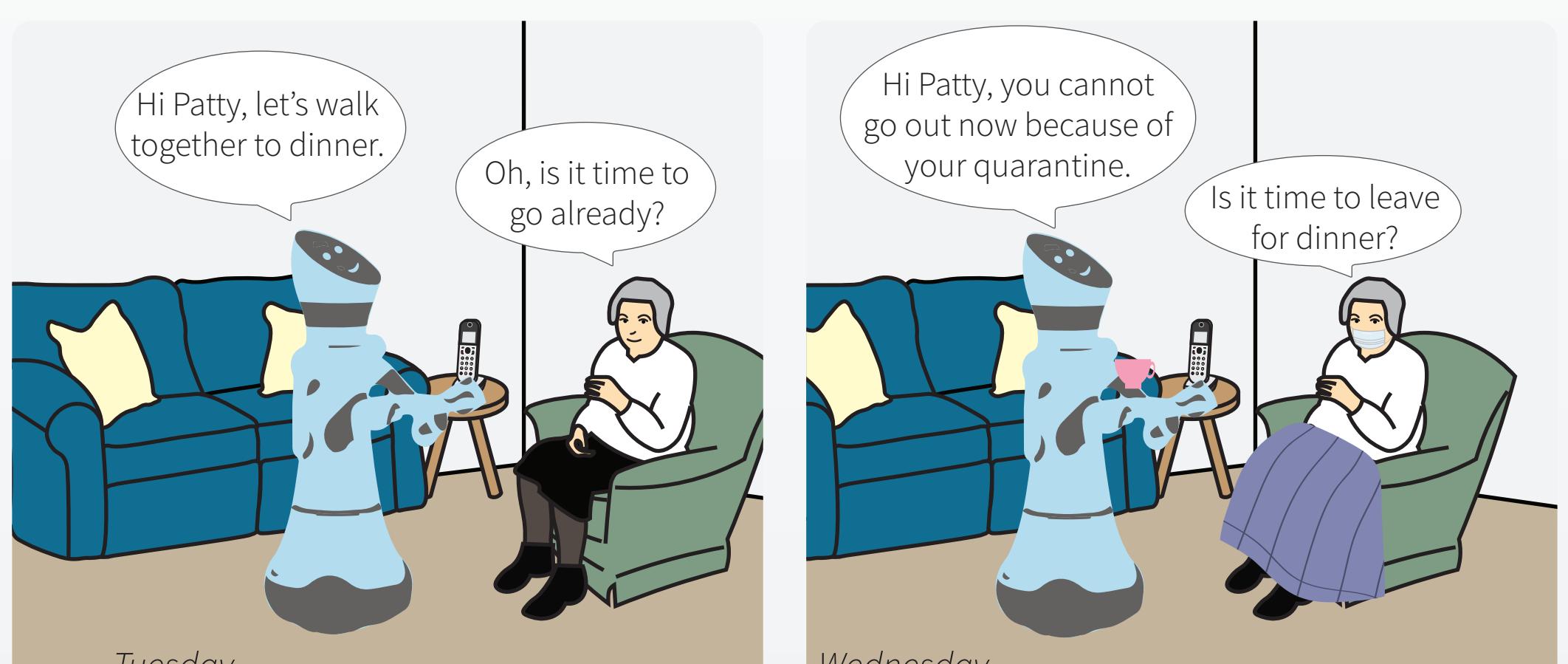
Qualitative studies to understand care environments and needs.



Caregivers want **oversight** and **control** over robots.

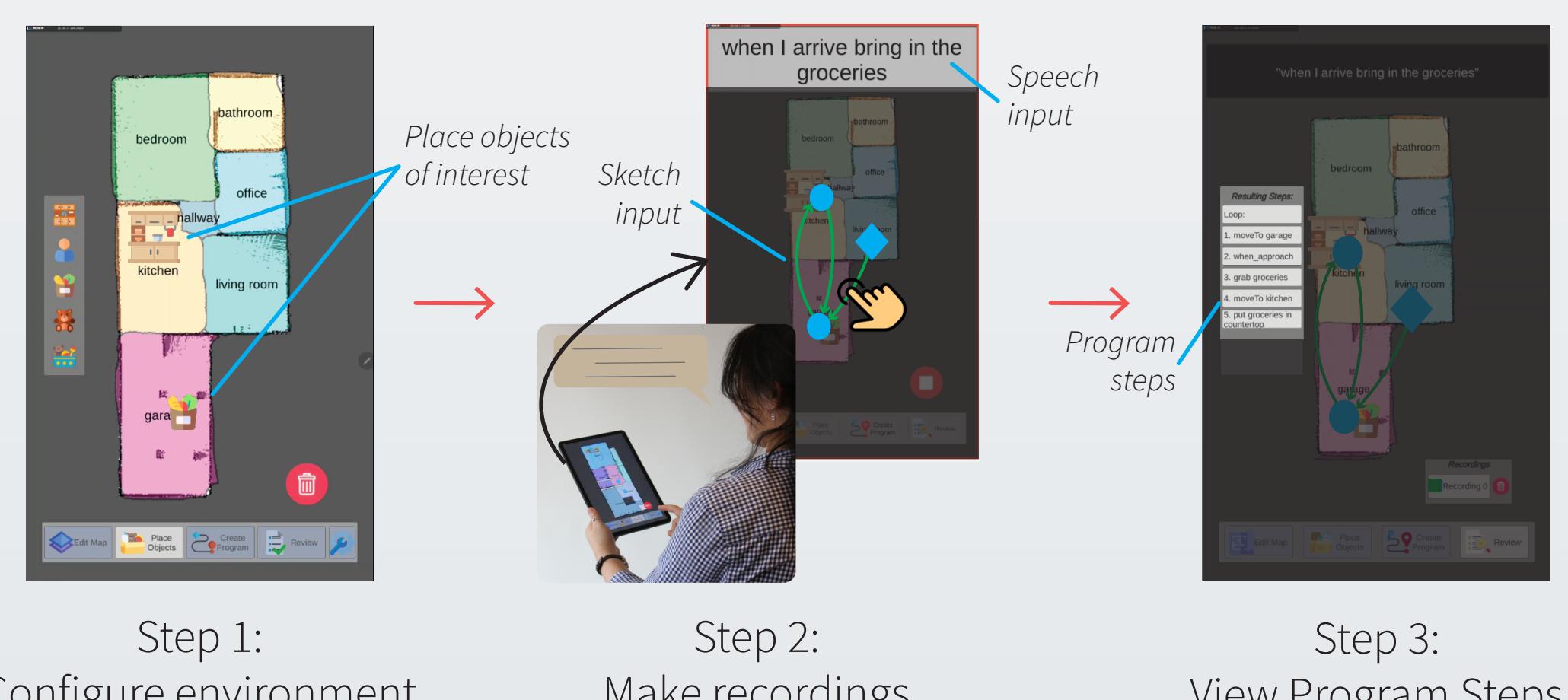
Care environments are **dynamic**.

Robots must be able to change behaviors quickly.



## User Study with a Multimodal EUP Tool

21 participants were trained to use Tabula, a multimodal EUP tool.

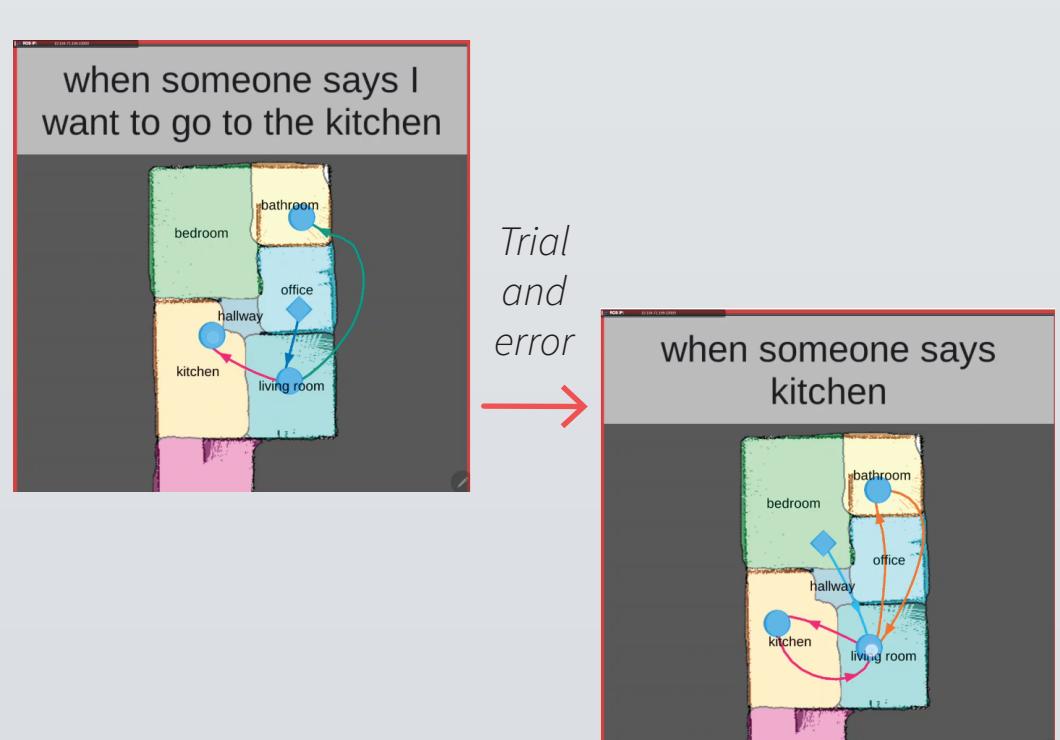


Participants were given four scenarios to complete.

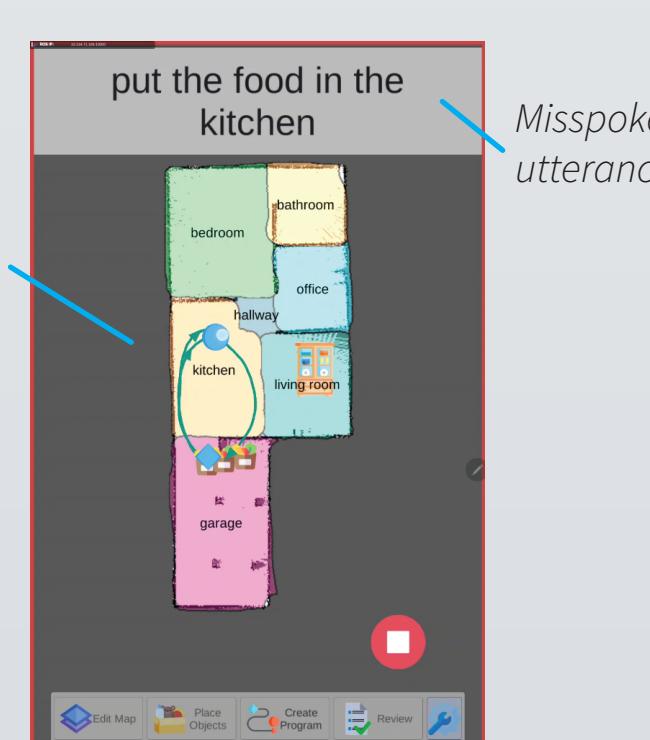


## Preliminary Findings from User Study

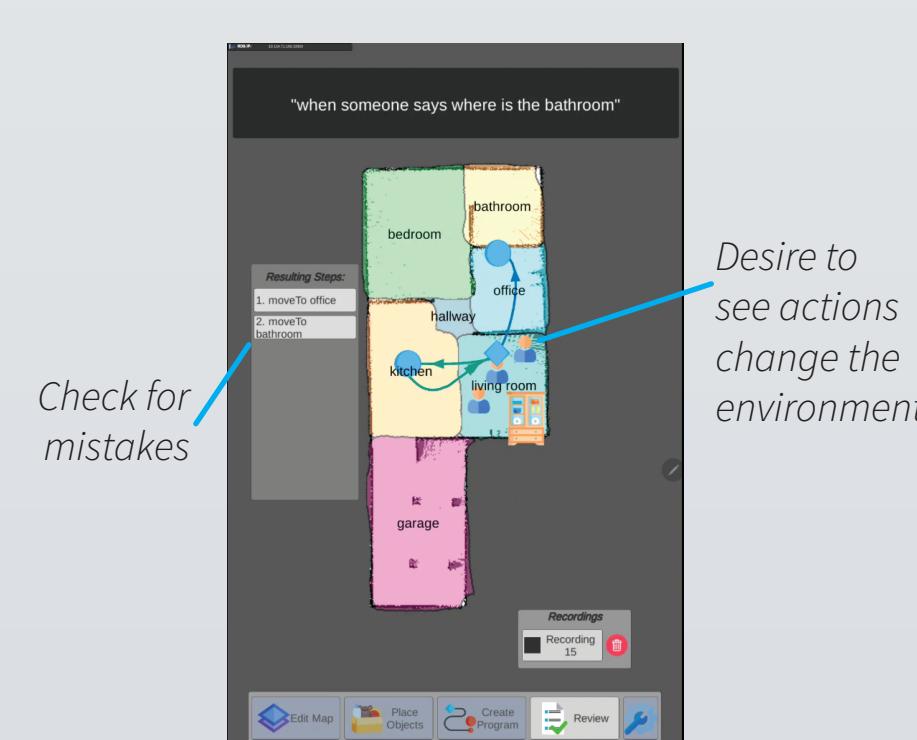
Learning to use the system



Experience with multimodality



Importance of feedback



Automated system inferences

