

Casper

Context:

There is an increasing population of people living with dementia. In the later stages of dementia, these individuals may lose the ability to perform activities of daily living and become more dependent on family members and healthcare providers.

Casper: socially assistive robots to help seniors with activities of daily living at home and improve their quality of life.

We will ask you to elicit, social, legal, ethical, empathetic, or cultural rules that the Casper must respect.

System capabilities:

- Collect patient consent
(The user can access the robot only after providing consent)
- Teaching user how to prepare a meal (tutorial mode)
- Giving reminders
(for eating a meal, taking medications, going to a doctor's appointment)
- Enable the user to communicate with family members or healthcare providers through telepresence.
- Find the user in the house
- Monitor the light on/off
- Move in the apartment
- Enter in different room
- Detect object and the user

Environment:

- In an apartment
- One kitchen, one office, one guestroom, one bedroom, and one living room