INTERACTION
DESIGNING A SOCIAL ROBOT

How does the robot interact with the user?
You can use the "Experience Flow" canvas to dive deeper into this topic.

Interaction modalities

What modalities are inputs to the robot? What modalities does the robot output?

INPUT

- ☐ voice
- ☐ sounds
- ☐ gestures
- ☐ movement
- ☐ touch
- ☐ smell
- ☐ facial expressions _____
- ☐ screens
- ☐ lights
- ☐ other _____

OUTPUT

- ☐ voice
- ☐ sounds
- ☐ gestures
- ☐ movement
- ☐ touch
- ☐ smell
- ☐ facial expressions _____
- ☐ screens
- ☐ lights
- ☐ other _____

Interaction flow

Describe the most important interaction of the robot.
Note: only fill the bottom row if your robot is teleoperated.

	BEFORE	DURING	AFTER
USER			
ROBOT			
ROBOT OPERATOR (optional)			

Situation flow

How defined is the situation where the interaction takes place?
Does the user always enter and exit at the same point?

predefined —— flexible —— freestyle

Leadership

Who initiates the interaction? Who determines what happens next?

robot-led —— mutual / alternate —— user-led

Goal

What is the user's goal in the interaction? What describes the interaction?

task completion / informative —— both —— explorative

Robot's name

Does the robot have a name which is used during interaction?
⚖ TRADE-OFF:
A robot with a name, creates more emotional bond.

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