ROBOT DESIGN GUIDELINES

What are considerations that guide the design of the robot? Relate these back to the definition of your problem: the user(s), their needs and what goals they have, as well as ethical considerations, and the robot's task.

Environment avridalines

t is guiding the design of environment, its operation context? about the robot's operating context. What should guide its	Form guidelines
gn? If users are especially vulnerable, should it optimize for supand safety? If the robot is part of a strict process, should it optifor efficiency and security?	What is the thought guiding design of the robot's form, it's outward qualities such as apperance, voice, sounds, movement, touch and smell? Should the robot be designed to appear especially approchable, or more industrial? Should is be simple or complex?
Interaction guidelines	Behaviour guidelines
Interaction guidelines What is guiding the design of interactions? Is the interaction multimodal or is one modality being optimized for efficiency? Should the user feel empowered and lead the interaction, or does the robot provide safety via leadership? Is the goal exploratory or task-oriented?	Behaviour guidelines What is guiding design of the robot's behaviour? For example, should it be simple or approaching human-likeness by being highly sensitive to context? Is it internally or externally driven, or combination of the two? Is it socially aware, is it autonomous?

Ethical guidelines

How do the ethical considerations you defined in the ethics canvas relate to these 4 dimensions? How about outside of the dimensions?

Advantage guidelines

Think back to the advantages and added value of using a robot, which you defined in the problem space. How should these be guided to realization in your solution?