

# DESIGN GUIDELINES

## DESIGNING A SOCIAL ROBOT

What things are important to consider in the robot’s design?

### Advantage guidelines

What advantages can the robotic solution have?  
Think back to what you defined in the solution space canvas.

### Ethical guidelines

What ethical considerations does the robot have?  
Think back to what you defined in the ethics canvas.

## ROBOT DIMENSIONS

### Environment guidelines

What should the robot’s context be like?  
For example:

- If users are especially vulnerable, should it optimize for support?
- If the robot is part of a strict process, should it optimize for efficiency and security?

### Form guidelines

What guides the design of the robot’s outward qualities?  
For example:

- Should the robot be designed to appear especially approachable, or more industrial?
- Should it be simple, or detailed?

### Interaction guidelines

What guides the design of interaction?  
For example:

- Is the interaction multimodal, or is one modality optimized for efficiency?
- Should the user feel empowered and lead the interaction, or does the robot provide safety via leadership?
- Is the goal of the interaction to complete a task, or explore?

### Behaviour guidelines

What guides the design of the robot’s behaviour?  
For example:

- Should behaviour be simple, or sensitive to context?
- Does the robot have internal drivers, or does it react to external stimulus?
- Does the robot have social skills?

