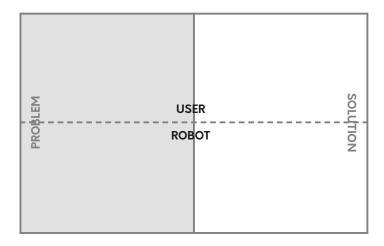# ETHICAL CONSIDERATIONS
SOCIAL ROBOT CO-DESIGN CANVASES

Consider potential ethical problems, and potential solutions —both from the user's and robot's perspectives.
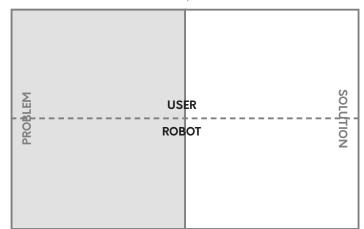Consider the boxes to be guidelines: you don't need to fill each one.

Physical safety
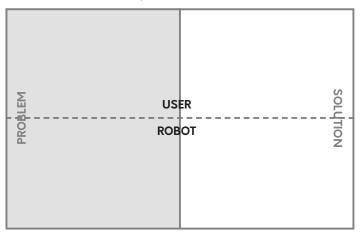Machines can pinch or crush the user. How is this mitigated?

PROBLEM | USER / ROBOT | SOLUTION

Data security
Is the robot in a unique data collection position? How is the user's data protected?
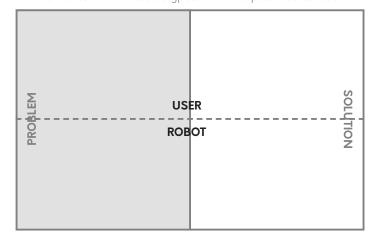
PROBLEM | USER / ROBOT | SOLUTION

Transparency
How does the robot share an accurate perception of its abilities, intentions and constraints, so the user can evaluate their trust in it?
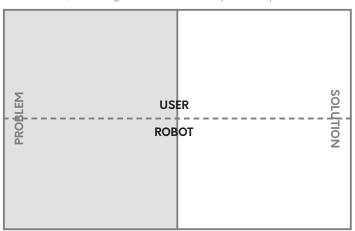
PROBLEM | USER / ROBOT | SOLUTION

Equality across users
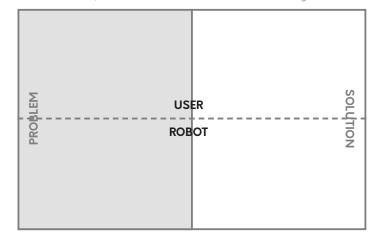Robots' algorithms can be biased. A robot's appearance could reinforce harmful stereotypes. What are potential issues?

PROBLEM | USER / ROBOT | SOLUTION

Emotional consideration
People have been shown to form emotional attachments to robots, as if they were alive. Is this a potential problem?

PROBLEM | USER / ROBOT | SOLUTION

Behaviour enforcement
People could transfer their inappropriate behaviour, such as rudeness, from robots to humans. How is this mitigated?

PROBLEM | USER / ROBOT | SOLUTION

THRI paper: