ROBOT DESIGN MVP
DESIGNING A SOCIAL ROBOT

It's time to design your robot! Remember the guidelines you defined.

Where and when
What place?
What time of day?
Does the place or time change?

Robot's role
Is the robot a friend? Teacher? Helper?
Something else?

Draw a picture
What does the robot look like?
Is it attached to something?
Does it move around?
Can its appearance be modified?

Personality
Does the robot have specific characteristics?
Does it have emotional states, or needs?

Context-based behaviour
What external and environmental factors affect behaviour?
What data is used to adapt to context?

Connection to systems
Is the robot connected to external systems, such as software, databases, or other robots?
How does it use these systems?

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)			