

# ENVIRONMENT

## DESIGNING A SOCIAL ROBOT

What is the robot’s context of operation?  
You can use the “Ecosystem” canvas to dive deeper into this topic.

### Where

What place?  
Does it change?

### User(s)

Who is using the robot?

### When

What time of day?  
Does it change?

### Secondary user(s)

Are there secondary users?  
E.g. teachers that help students use a robot.

### Data collection

Does the robot collect data from its environment?  
How is it stored?

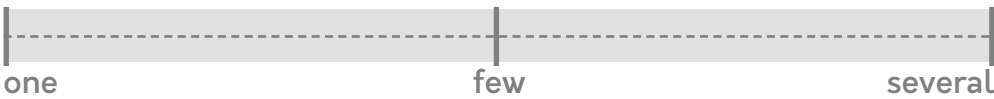
### Simultaneous users

How many users should be able to use the robot  
simultaneously?



TRADE-OFF:

More simultaenous users requires a more sophisticated robot.



TRADE-OFF:

More data collection requires more attention to data security.

### External sensors and actuators

Does the robot use external sensors?  
Does it have external actuators, such as lights or limbs?

### Connection to systems

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

