



HUMAN

H-I-NPUT



ROBOT

HUMAN - ROBOT  
INTERACTION CARD

R-O-UTPUT



R  
R  
R

ROBOT

ROBOT

O  
O  
O

OUTPUT

OUTPUT

HUMAN - ROBOT  
INTERACTION  
SCENARIO  
CARD + SCENARIO

UMAN

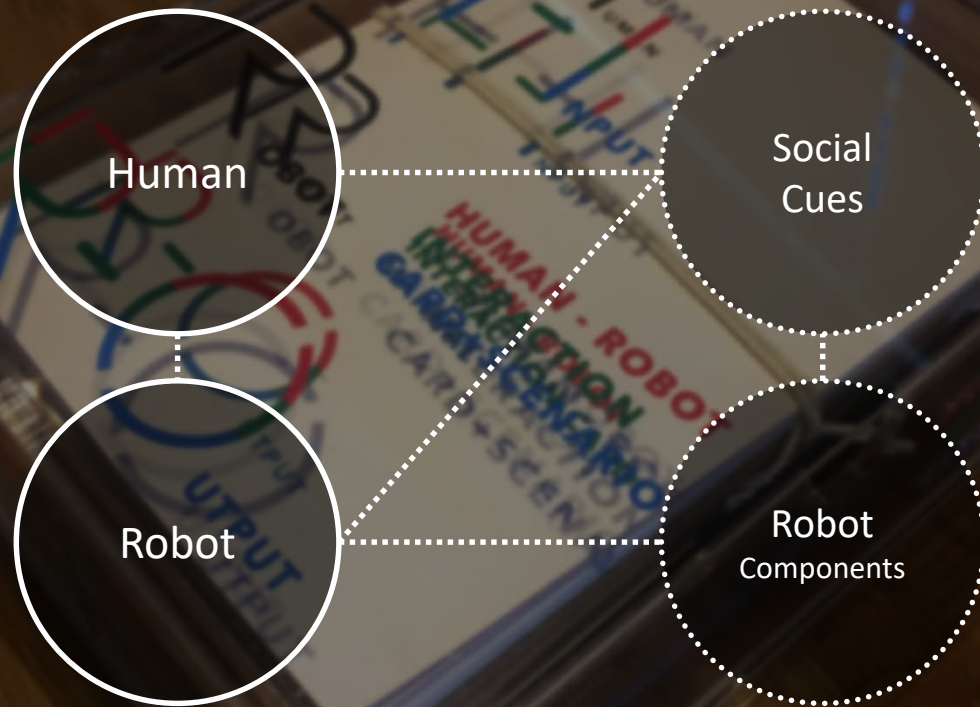
UMAN

INPUT

INPUT

HUMAN - ROBOT  
INTERACTION  
SCENARIO  
CARD + SCENARIO

# CONCEPT



In order to develop a social robot which is acceptable to users, we created a social HRI design toolkit. Since this toolkit can design various interactions by combining two axes, social cues and robot components, it is possible to develop insights and ideas about social HRI through multidisciplinary collaboration.

Social Human-Robot Interaction Design Toolkit

# TOOLKIT COMPONENTS

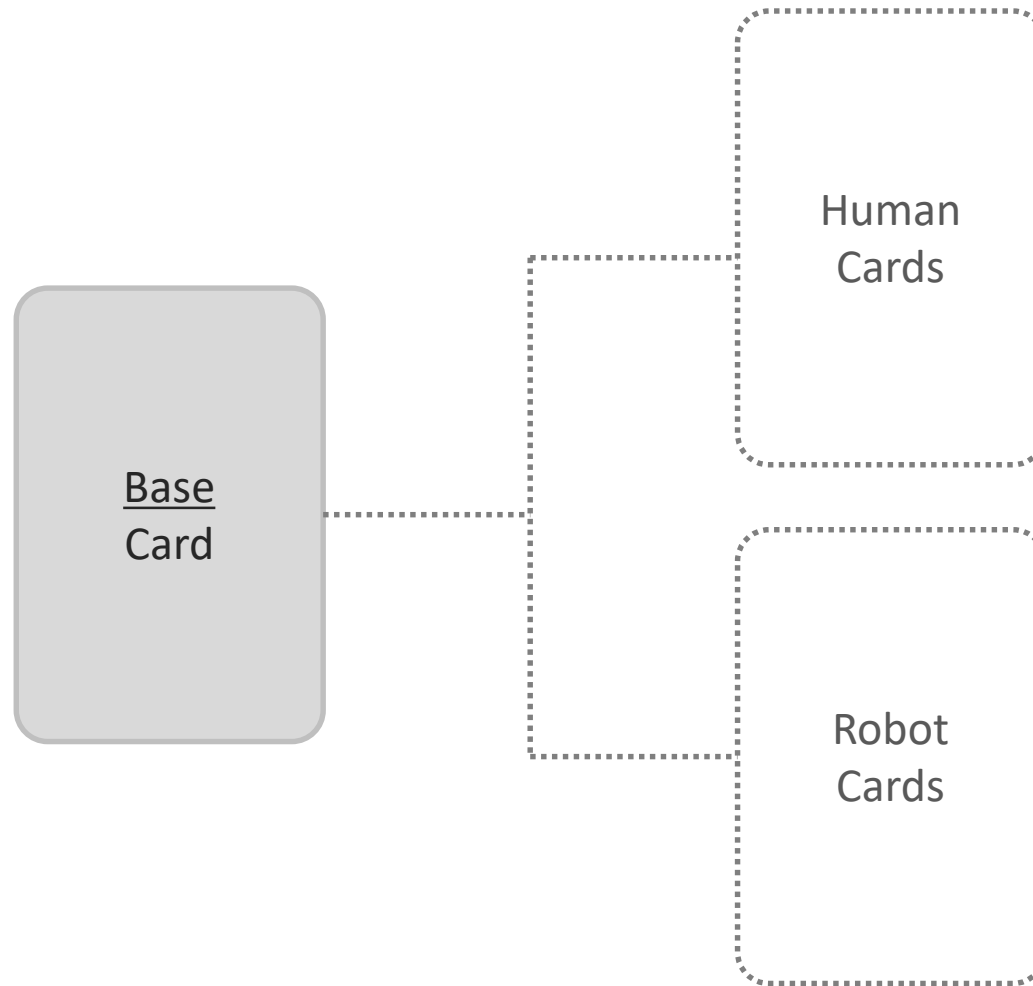
Base  
Card

+

Case  
Card

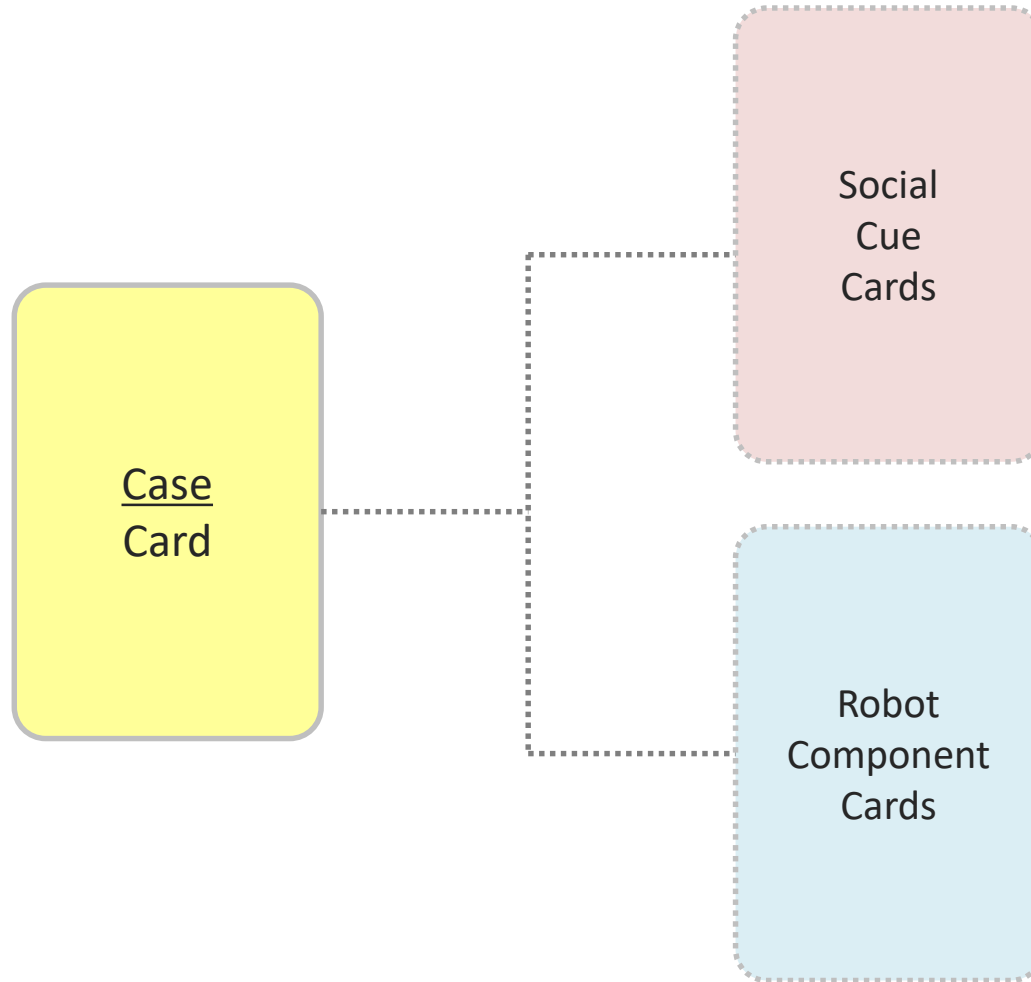
The toolkit consists of a human base card with human case cards, a robot base card with robot case cards.

# TOOLKIT COMPONENTS



The base cards are drawn with each a person and a robot.

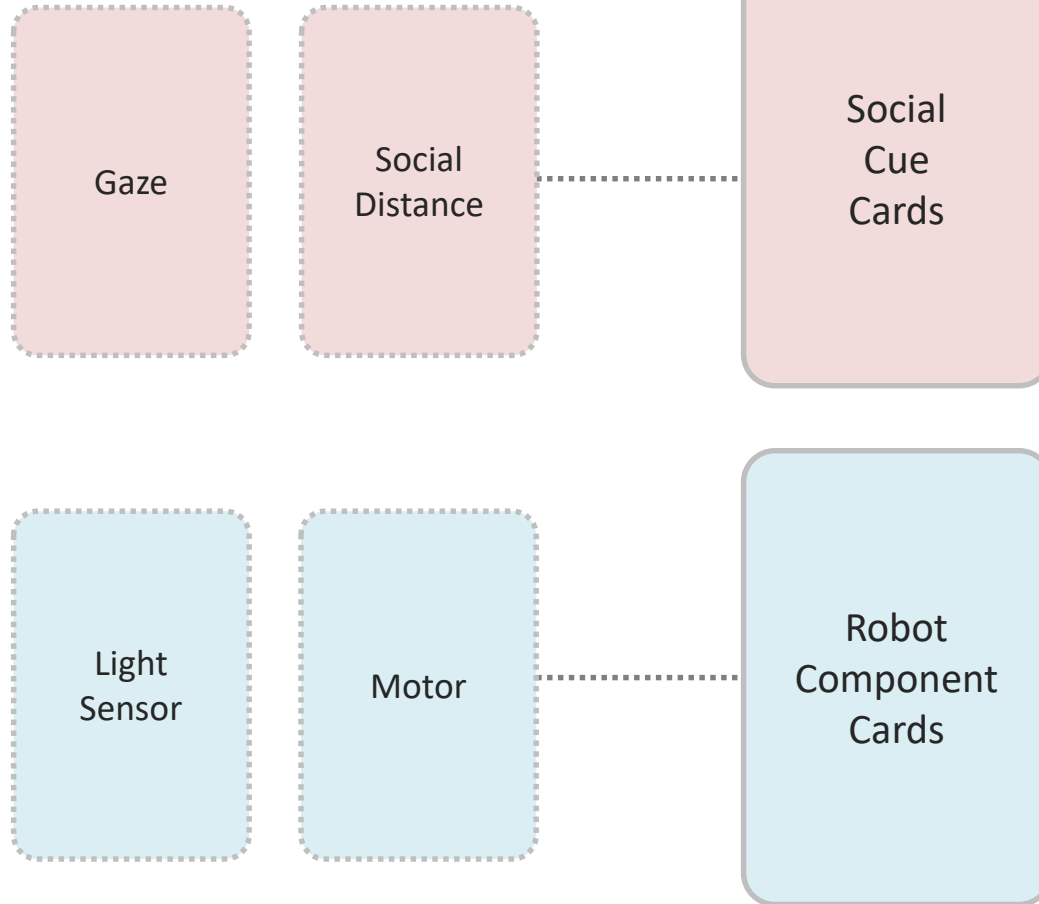
# TOOLKIT COMPONENTS



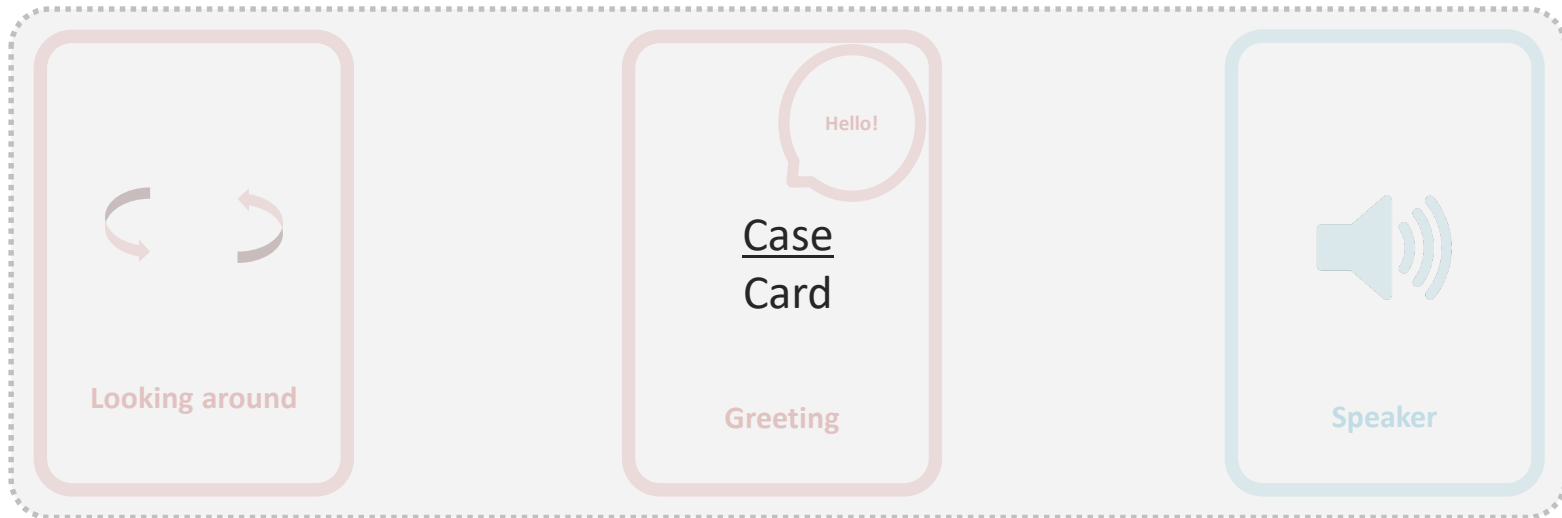
The case cards consist of cards for the social cues that can be expressed by a human and a robot, and those for the components of a robot.

# TOOLKIT COMPONENTS

Examples

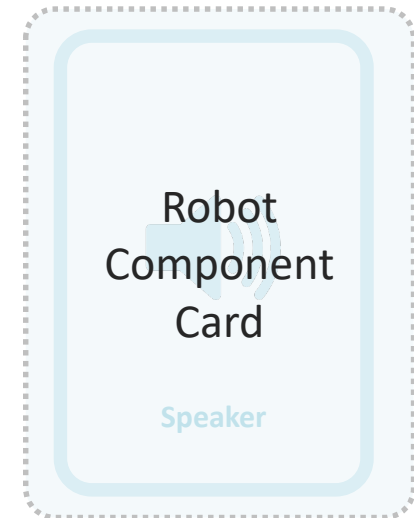
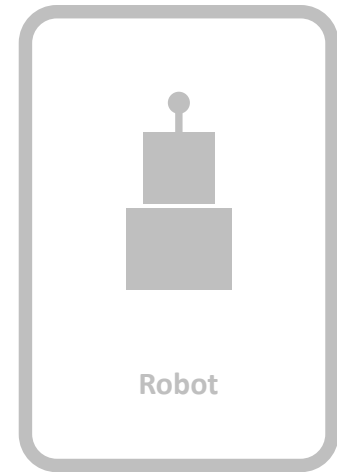
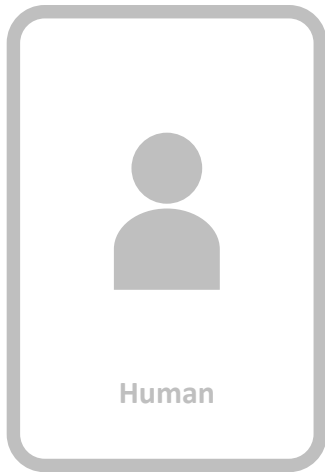


# APPLICATION

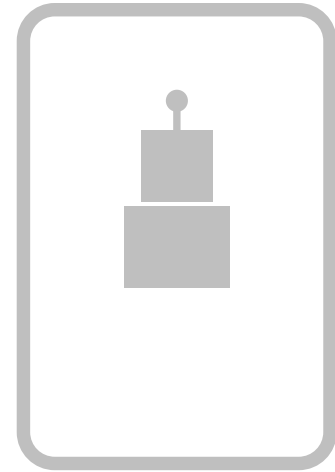
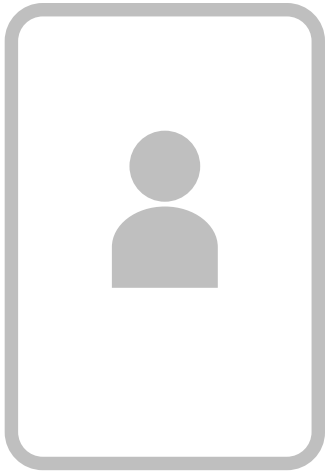




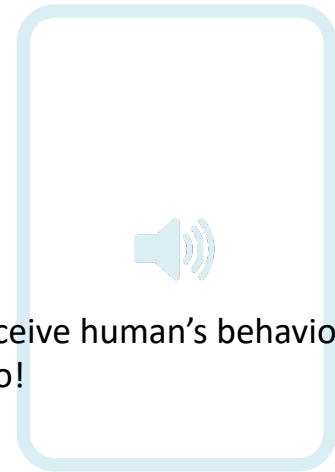
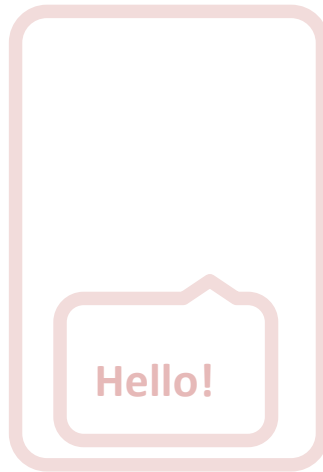
# APPLICATION



# APPLICATION

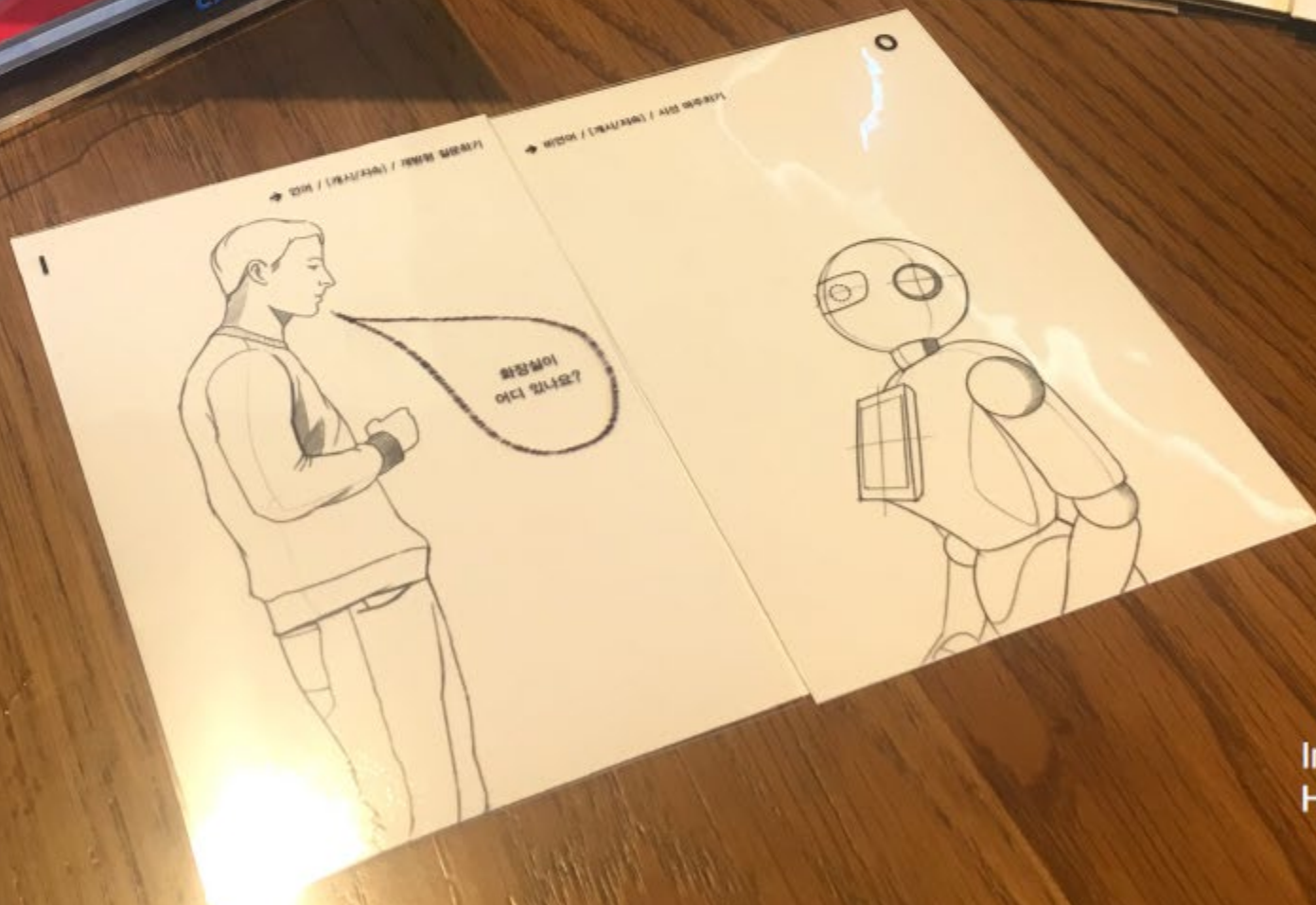
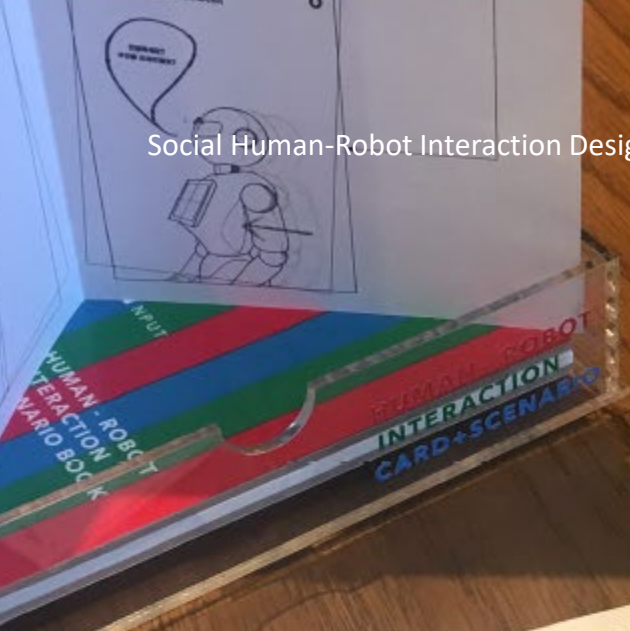


**In a shopping mall**  
H: (looking around)



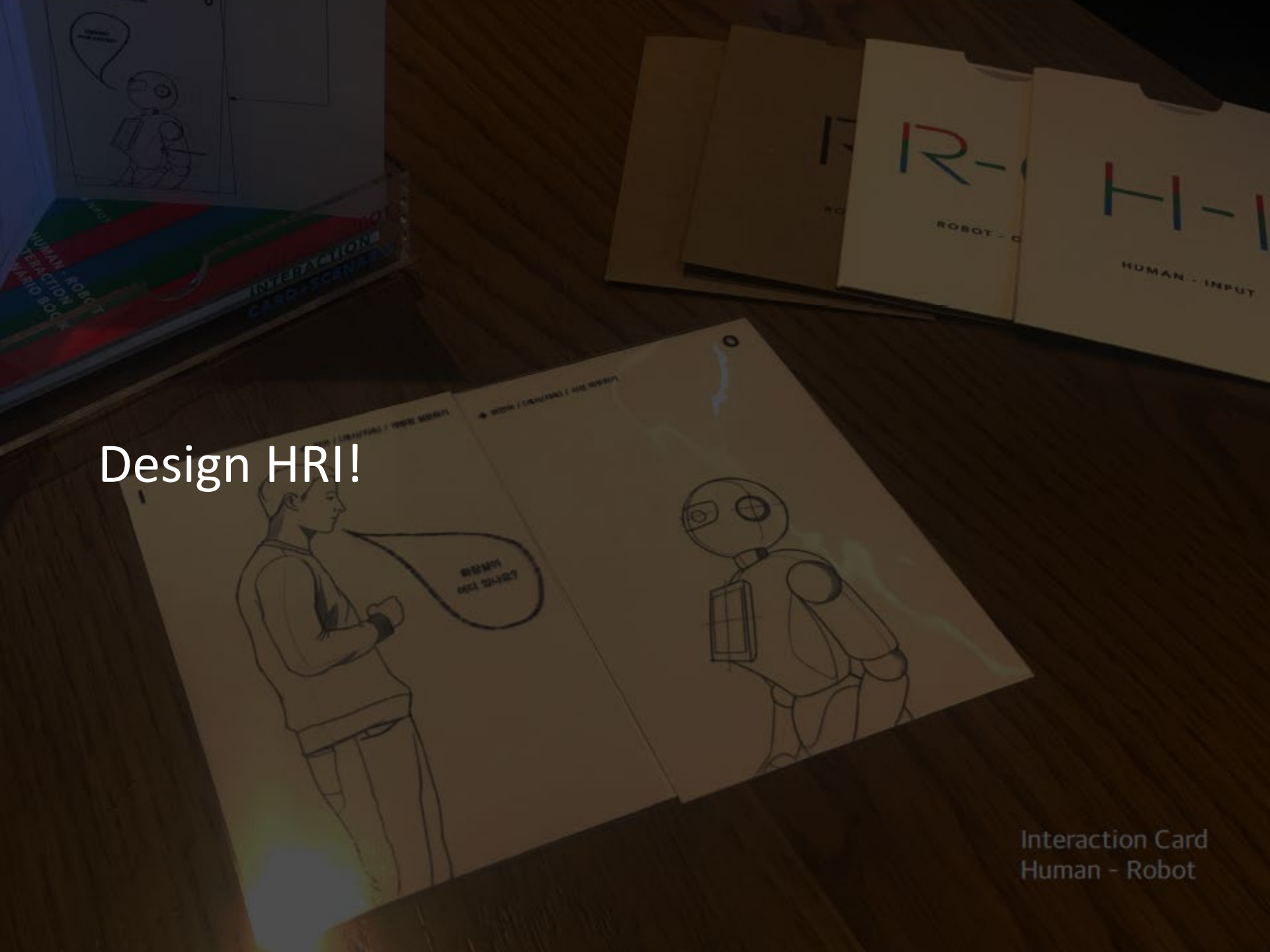
R: (perceive human's behavior)  
Hello!

Social Human-Robot Interaction Design Toolkit



Interaction Card  
Human - Robot

# Design HRI!



Interaction Card  
Human - Robot



HUMAN

H-I-NPUT



ROBOT

HUMAN - ROBOT  
INTERACTION CARD

R-O-UTPUT