

ROBOT DESIGN MVP

It's time to design your robot! Remember to keep referring back to your guidelines on the robot's environment, behaviour, form and interaction, as well as ethics and advantages.

Guidelines

Write your guidelines on post-its, and place them here! Keep referring to them as you make decisions about the robot's design.

Where? When?

Where is the robot operating? What is this place's significance to the users? What is special about this place? What time of day? How does the situation start? How does it end?

Name the role

Write down a good description of the robot's role, for example "buddy" or "coach".

Personality

What words describe the robot's personality? What are the robot's internal motivators? Does it have emotional states or needs? Does it have specific characteristics?

Data-based behaviour

What external and environmental factors motivate behavior? What data is collected? What data is used to adapt to context? Is behaviour personalized?

Draw a picture

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

Interaction modalities

What ways do the user and robot interact in?

- | | |
|---|--|
| <input type="checkbox"/> voice | <input type="checkbox"/> movement |
| <input type="checkbox"/> sounds | <input type="checkbox"/> digital visuals |
| <input type="checkbox"/> gestures | <input type="checkbox"/> tactile |
| <input type="checkbox"/> facial expressions | |
| <input type="checkbox"/> digital sensors | |
| <input type="checkbox"/> other _____ | |

Interaction outline

Create an outline of one of the possible interactions with the robot. It can be for example the interaction you consider most important. What does the robot say? What does the user say? When are other modes of interaction used? When is data fetched?

