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# Sprite.

Bring your  
smart home device to life. ✨

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## Overview

- Introduction to Sprite
  - Low-fi Prototype + Task Flows
  - Summary of Testing Results
  - Future Steps
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**Sprite:**

**Mission Statement:**

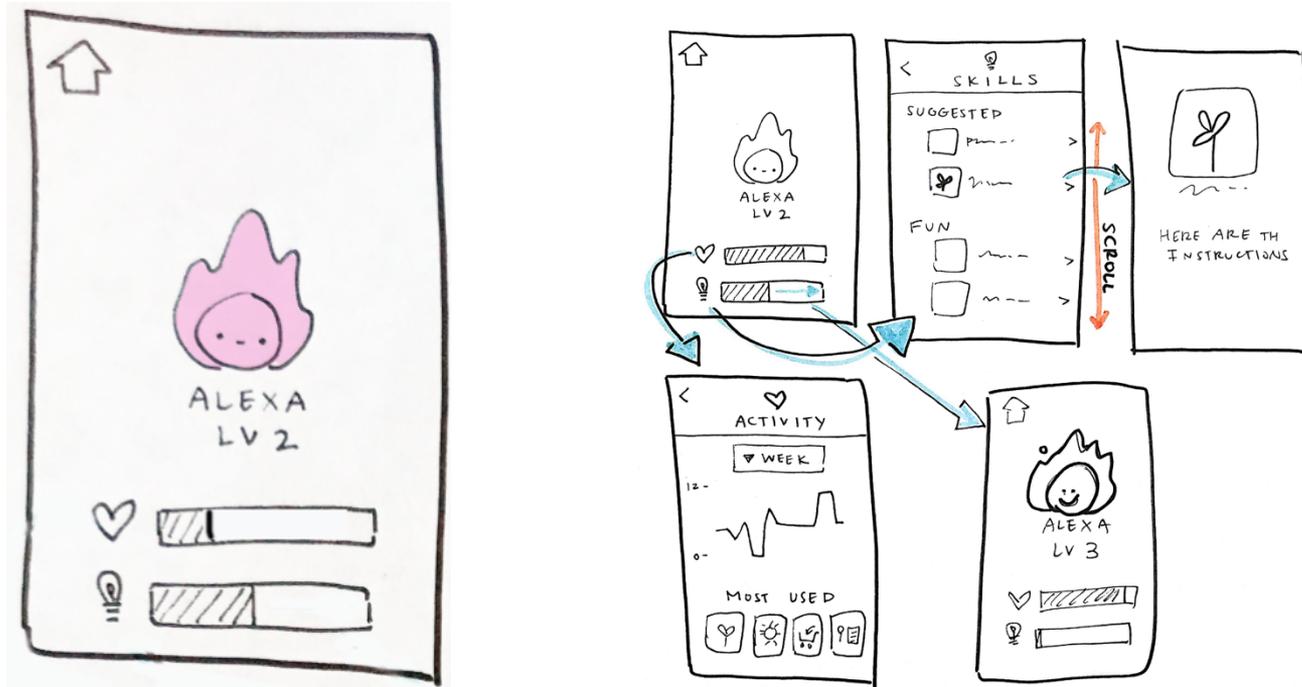
Make interacting with a smart home device engaging and fun.

**Value Proposition:**

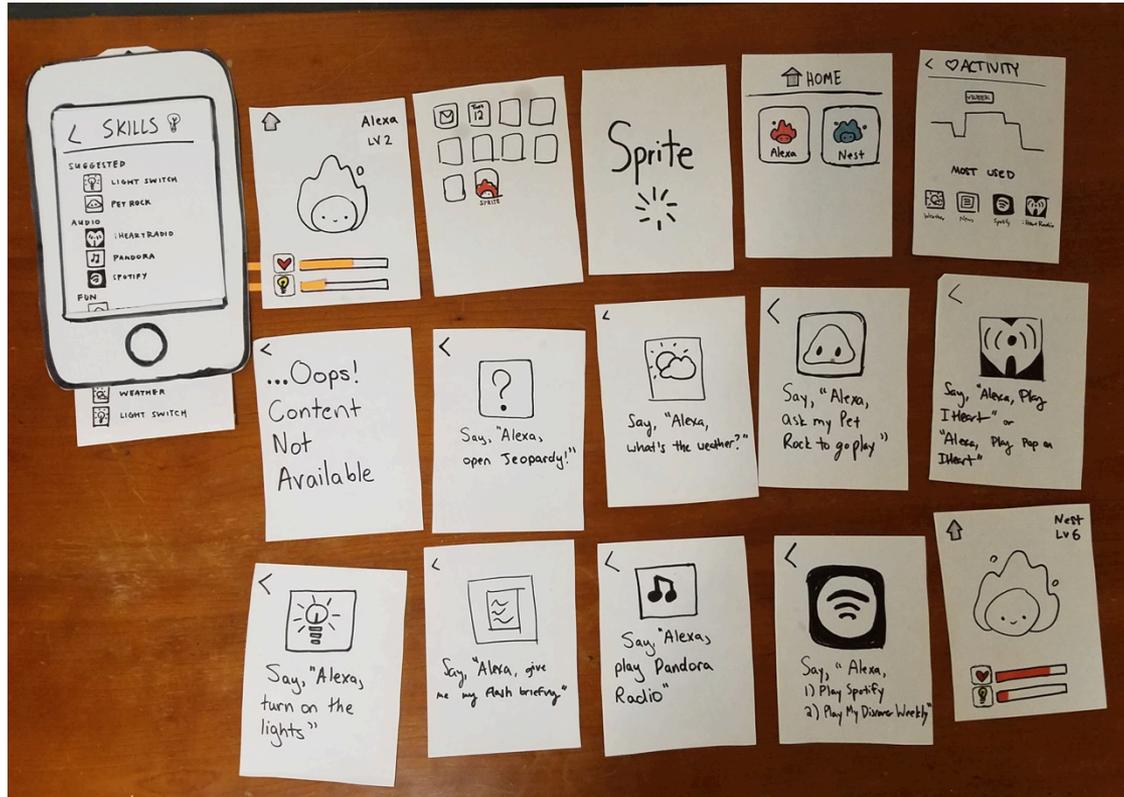
Bring your smart home device to life.

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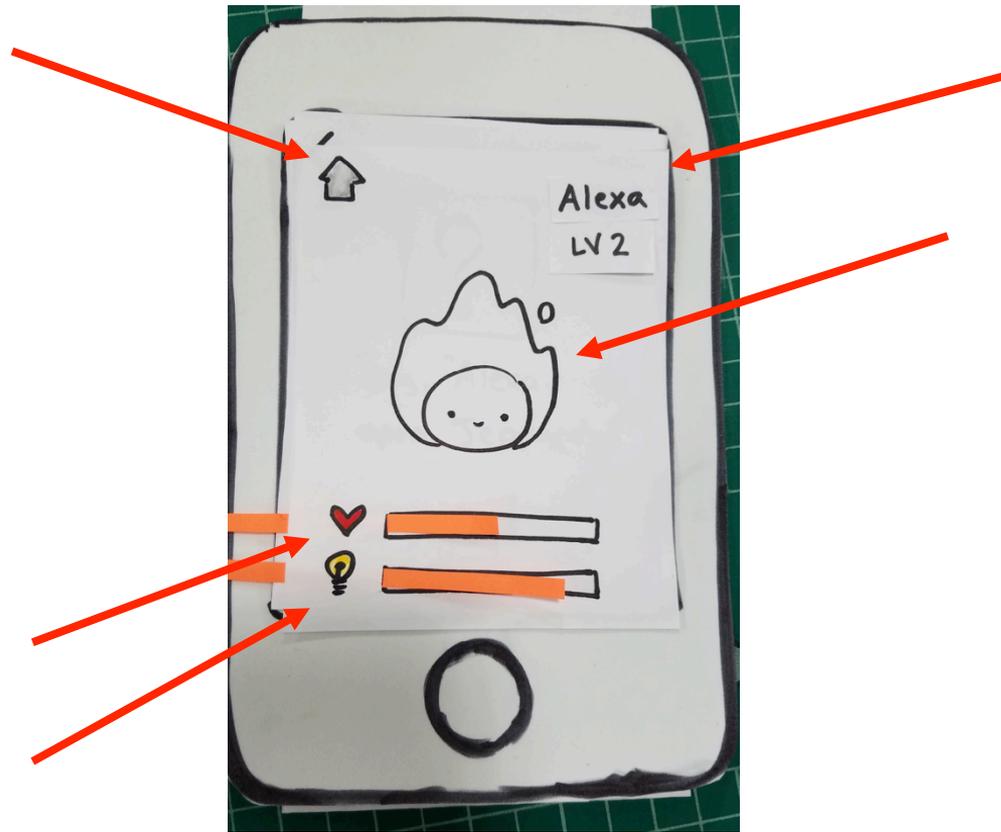
# Selected Interface- Mobile App



# Low-fi Prototype Structure



# Main Screen



# Simple Task: Check on your Sprite's status

Phone  
screen



Click on Sprite  
app icon

Loading  
screen



Home  
screen



Notice Sprite's  
status

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# Moderate Task: Find and use a skill you already know

Home  
screen



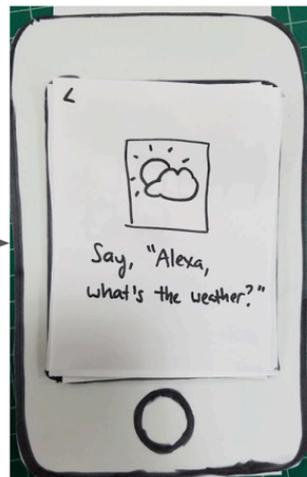
Click on  
heart icon

Activity  
screen



Select a most  
used skill

How-To:  
Weather



Follow the skill's  
instruction

Hearts  
Falling



Success!

# Complex Task: Discover and Try a New Skill

Home screen



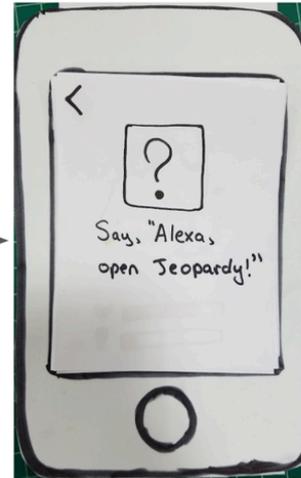
Click on  
lightbulb icon

Skills screen



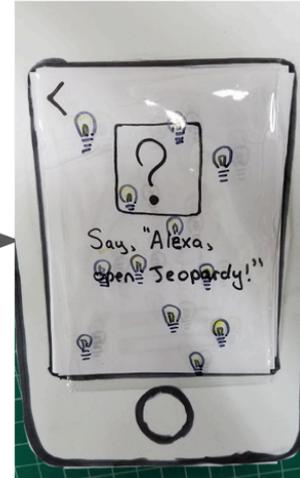
Scroll & find  
a new skill

How-To:  
Jeopardy



Follow the skill's  
instruction

Bulbs  
Falling



Success!

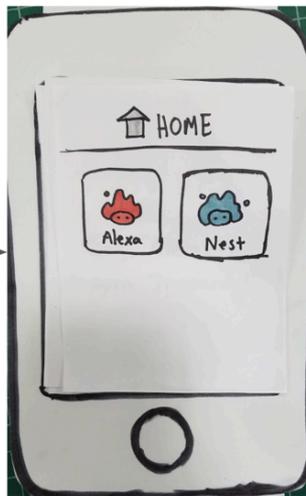
# Moderate Task: Toggle between smart home devices

Home  
screen



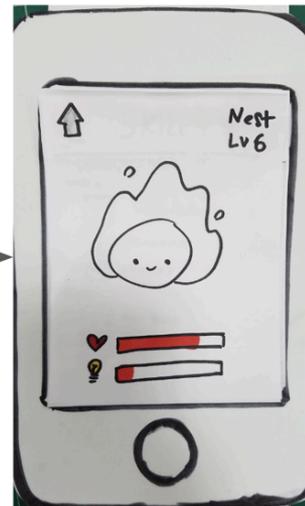
Click on  
house icon

Selection  
screen

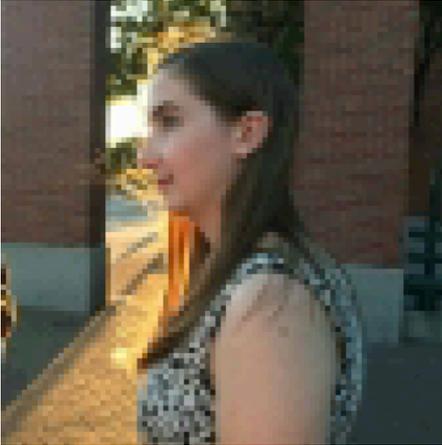


Select the  
desired Sprite

Home  
screen



# Testing Method



“Alexa” + Notes



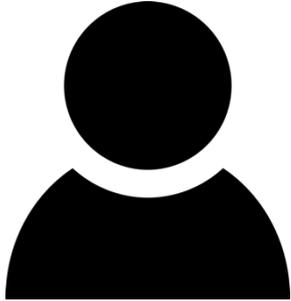
Computer



Facilitator & Tasks

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# Testing Participants



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## Testing Results



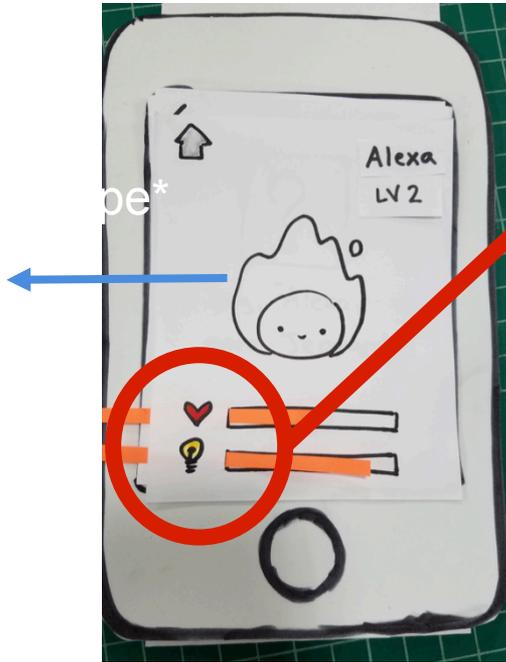
- Icons not buttons
- What is a “Skill”
- Returned to Home



- Voice instructions
  - Emotional Response
  - Clear Purpose
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# Suggested UI Changes



- People did not realize the heart & lightbulb were buttons
  - Click on Sprite for functionality, make progress bars static & smaller screen element
- Swiping to switch between SHDs instead of home screen navigation

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# Summary

- Users quickly understood app concept but **weren't sure why it was important** (we need to emphasize value proposition)
  - Some users felt that the app was **cute**, others thought it was **creepy**
  - **Buttons** were confusing (icons too vague)
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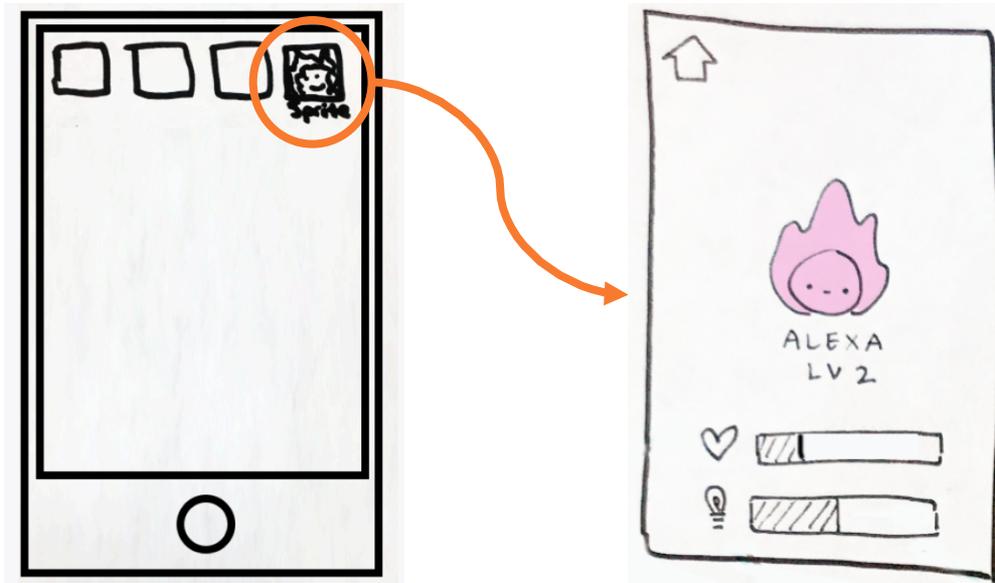
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# Questions?

Thank you for listening.

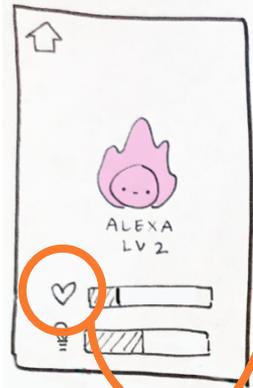
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# Appendix



**Simple Task:** Check your Sprite's status

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Click on  
Activity Icon



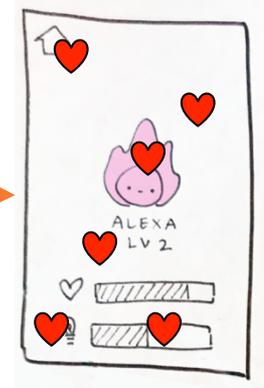
Identify &  
Pick a skill



Follow training  
instructions



*automatic app  
response*

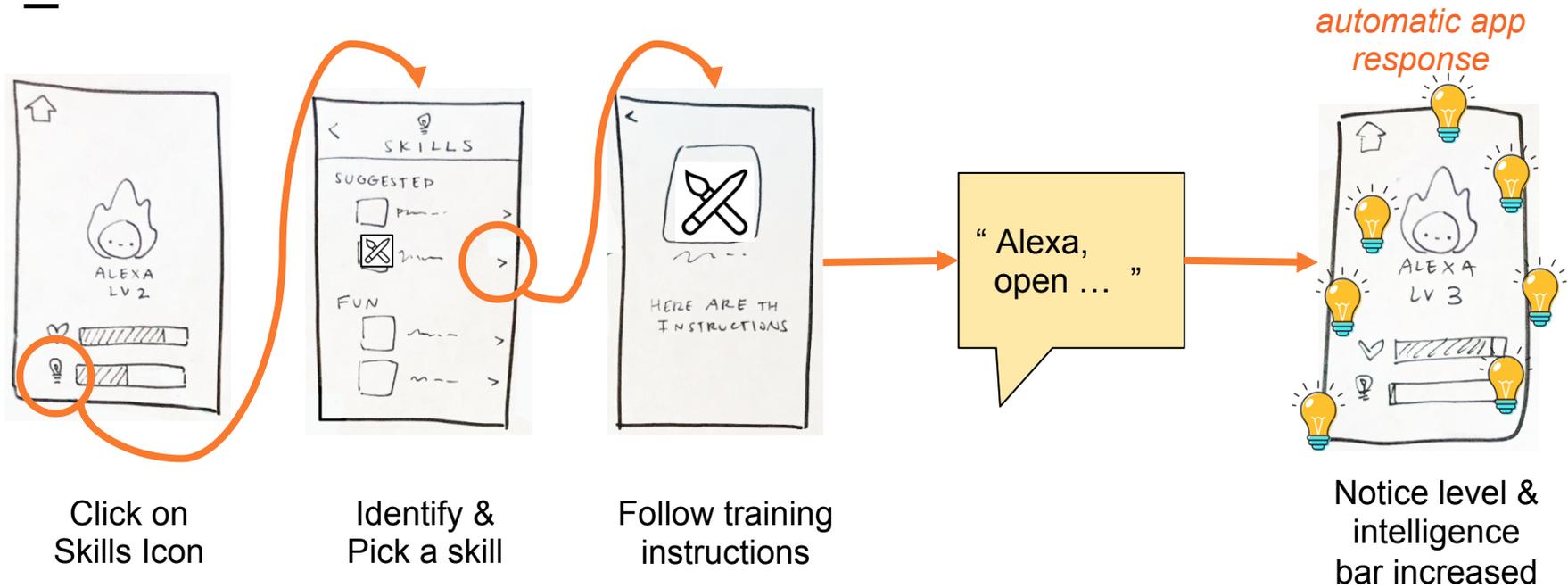


Notice activity  
bar increased

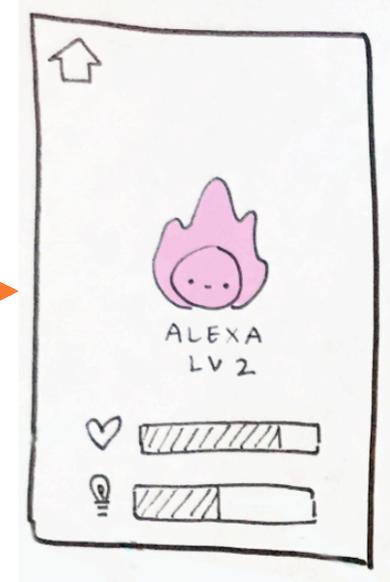
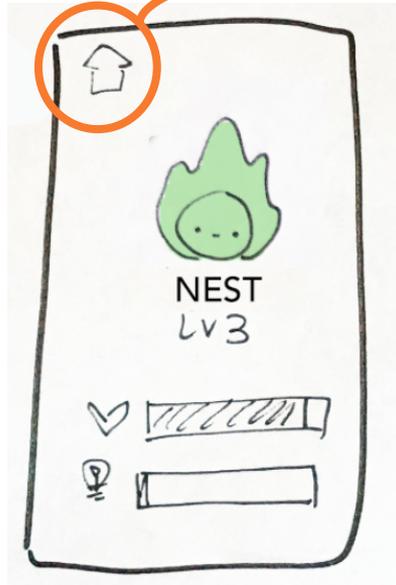
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**Moderate Task:** Find and select a skill you already know

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## Complex Task: Discover and try a new skill



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**Moderate Task:** Toggle between smart home devices.

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# Speech-Based

## Pros

- All integrated - don't have to add another service
- More responsive - more likely to facilitate interaction
- Lower barrier to entry - responding less effort
- Intuitive verbal feedback - interpret tone of voice naturally

## Cons

- Jarring - interrupts daily activity
  - Tricky timing to get right
  - Creepy rather than cute - people already worried about SHD listening to conversations
  - No visual feedback
  - Team not as interested in speech based interactions
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