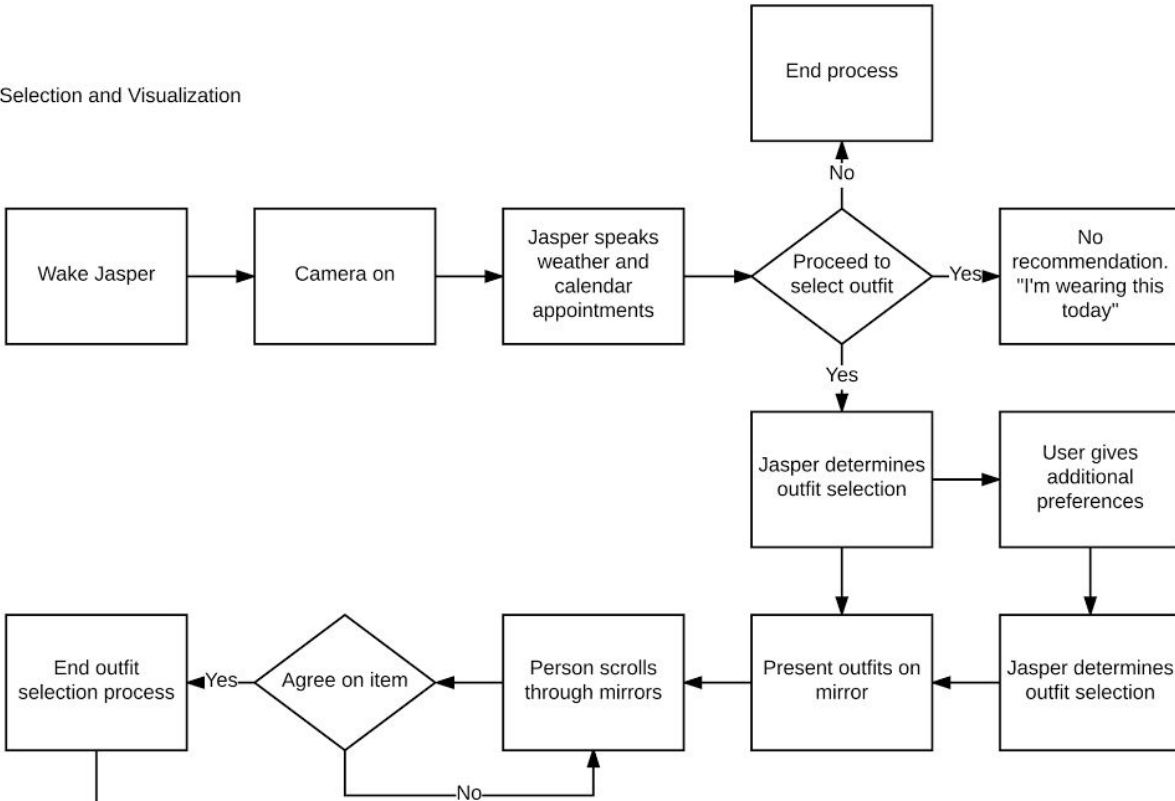


3a: Paper Prototype

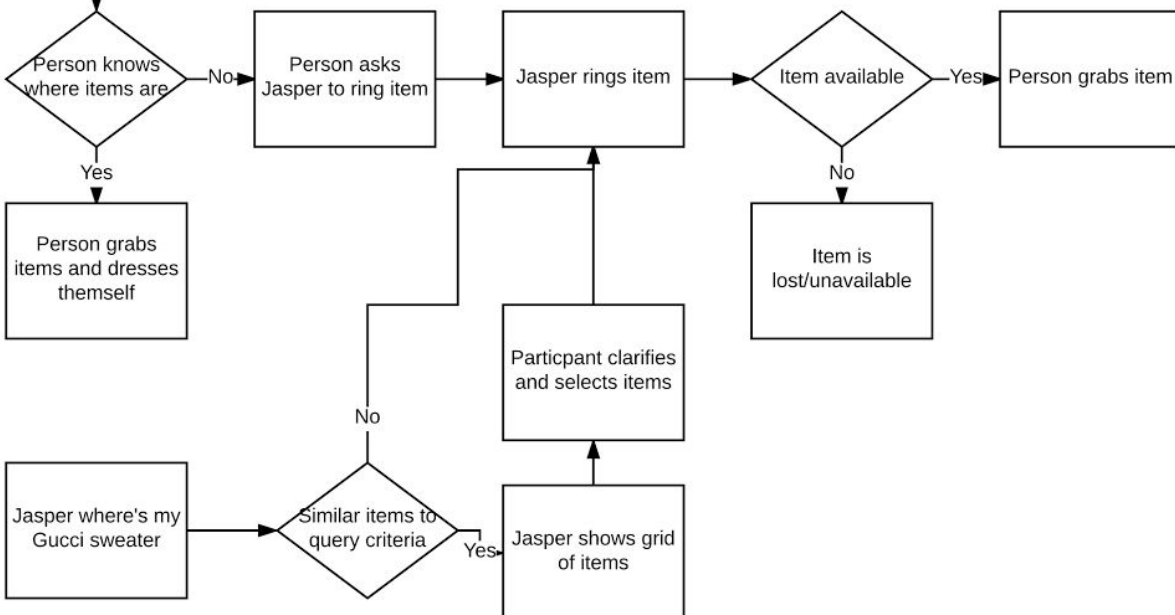
CSE 440 AD: Dylan Babbs, Hao Liu, Steven Austin, Tong Shen

Flow chart

Task 1: Selection and Visualization

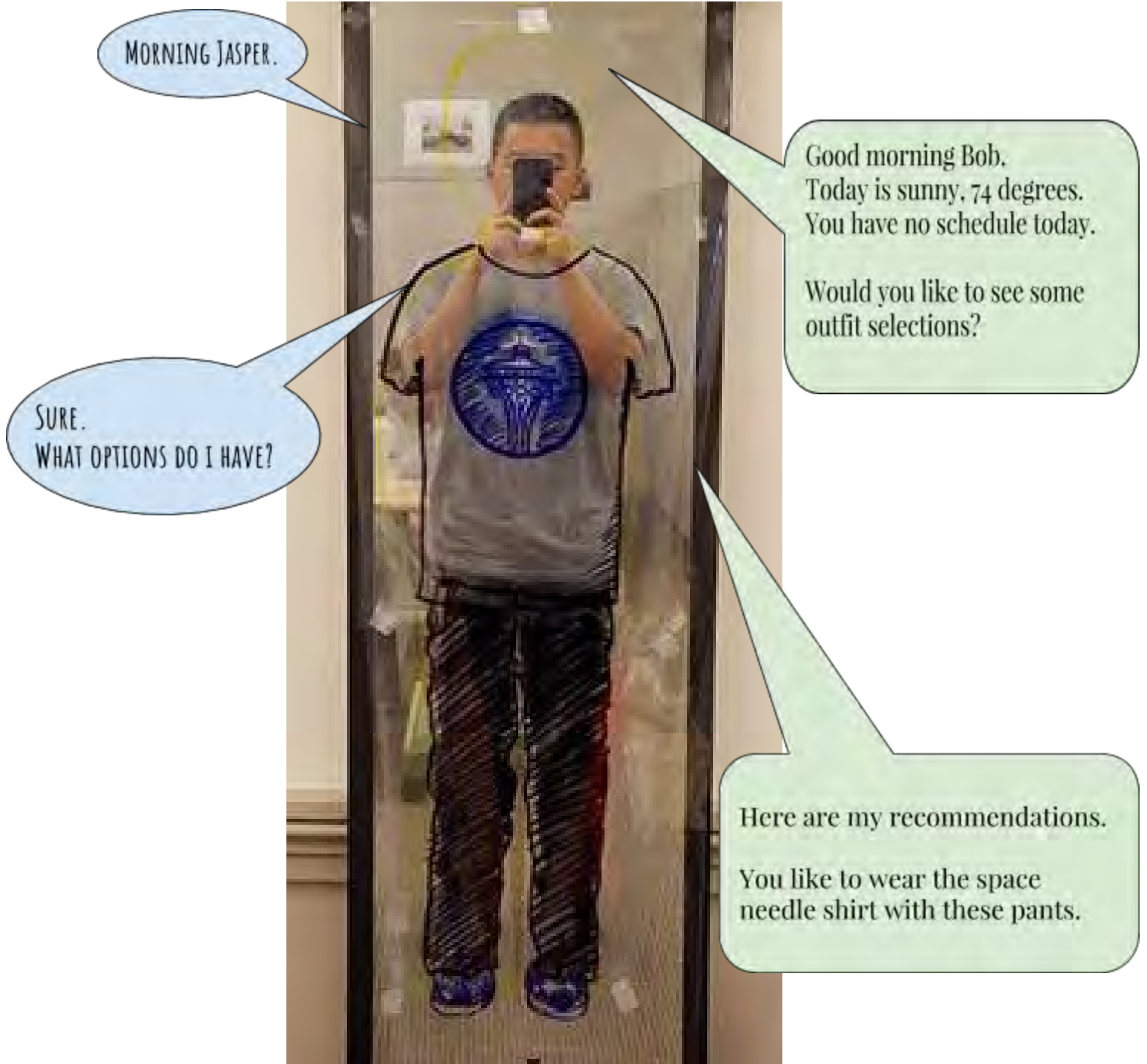


Task 2: Location of items



Task 1: Selection and visualization

- Bob activates the mirror with the keyword "Jasper". Jasper then greets Bob, and briefs him on his schedule and today's weather, then asks if he would like to see some outfits curated for his day. Bob agrees, and Jasper overlays the first preference outfit, including Bob's tendency to wear this shirt-pants combination in its choice.



- Bob likes the pants that Jasper has selected for him, but decides to browse more tops, swiping his hand to the left. Jasper overlays the next selected top, but unfortunately, Bob dislikes the combination so much that he never wants to see it again (and he never will).

I LIKE THESE PANTS! I'LL GO WITH THEM TODAY! LET'S SEE SOME MORE TOPS.

Nice choice Bob. I have narrowed it down to these tops based on your selection on bottom.

You can swap through them.

EWW... THIS SHIRT LOOKS WEIRD ON THESE PANTS. NEVER SHOW THIS COMBINATION AGAIN, PLEASE.

Sorry Bob. I will put that down on my notebook.

Just kidding, I don't have a notebook.



Task 2: Locating items

- Bob is looking for his black swag with Indeed logo, and since he is in a hurry he shouted at the mirror: "Where's my black swag Jasper!". But Bob has so many black swags and Jasper has no idea which one Bob is talking about. So he shows a grid of all black swags that Bob has and asks which one.

JASPER! I NEED HELP FINDING MY BLACK T-SHIRT!

I have found five T-Shirts match your description.

Which one do you want, Bob?

I CAN'T SEE YOU NOW! I'M BUSY IN MY WARDROBE!
WHAT ARE THEY?

Sure. No. 1 has red stripes at the bottom left corner. No.2 has a little pocket and you worn it last friday. No.3...

YES! NO. 2!
I WANT TO FIND NO. 2!



- Because of the sound-based nature of this task, external tools will be included in the prototype, including:
 - Recordings of text-to-speech tools online (<http://www.fromtexttospeech.com/>). It is played to mimic Jasper's speech.
 - Mobile phones placed under hidden items mimicking the RFID tags. They are called and ring whenever the person asks for the location of their corresponding item.