

Team



Arjun Karanam Computer Science Class of 2022



Hana Tadesse Computer Science Class of 2022



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Overview

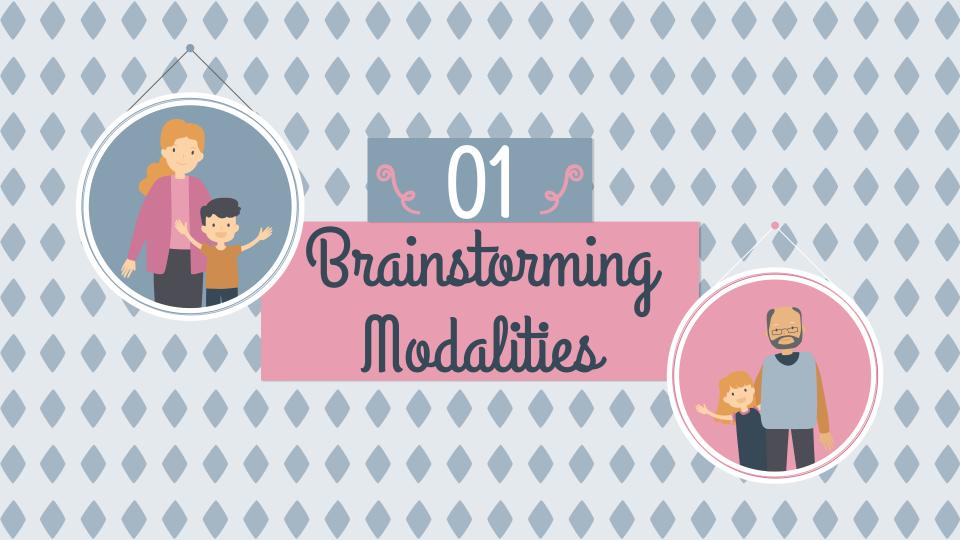


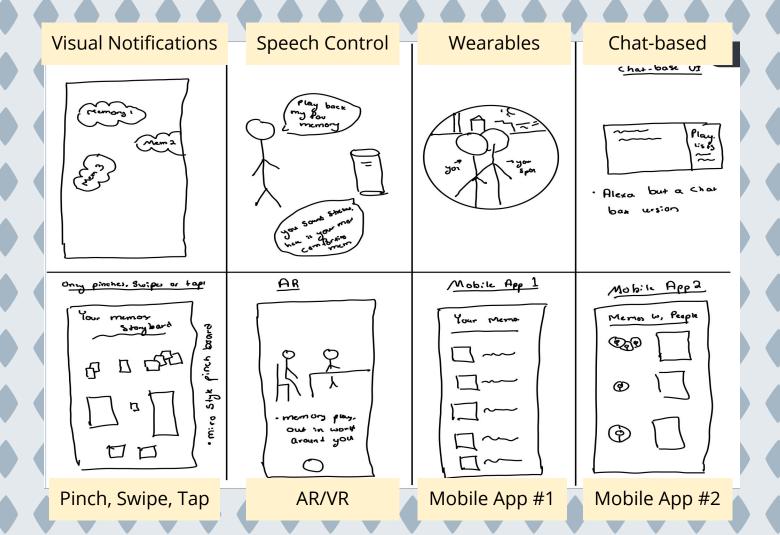
VALUE PROPOSITION

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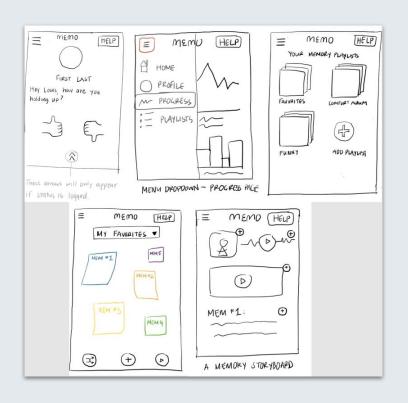
Take a scroll down memory lane.







Why We Chose an App



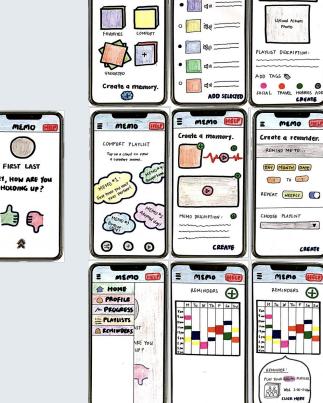
+ An app interface is more familiar to our users

- + Accessibility (Alexa doesn't work for deaf people)
- Alexa is always on and can respond promptly



LOW-FI DESIGN

- + Focus on analogous UI (photo albums)
- + Making the process of viewing memories as engaging as possible (clouds!)



MY MEMORY PLAYLISTS

Create a playlist.

NEW PLAYLIST TITLE.



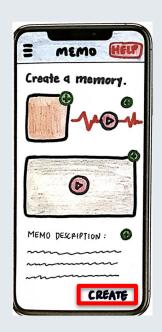
SIMPLE



Home "Check-in" Screen



Create a memory entry point



Upload sensory media: photo, audio, video, description



Created memos

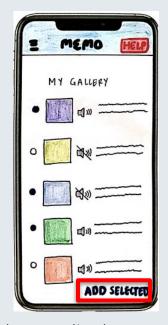
MODERATE



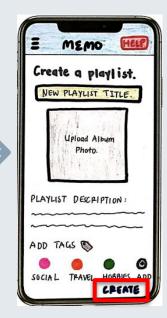
Home "Check-in" Screen



Create a playlist



Select media that are associated to each other from gallery to add to a playlist

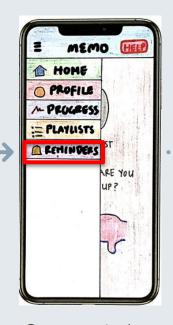


Update playlist photo, description, and tags to easily search by filters

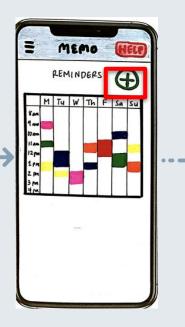
COMPLEX



Home "Check-in" Screen



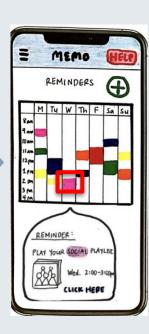
Go to reminders from navigation bar



Calendar view of reminders



Create a memo reminder



Reminder pop-up notification



Methodology

1

Recruitment

- Eliza & Jeffery via Reddit
- Mary via Arjun's German teacher

2

Setup

- Testing conducted over Zoom
- Recorded prototype interaction
- Took notes of successes, confusions, errors, & comments

PARTICIPANTS



52-year old caretaker for her elderly father who has Dementia. NC, USA

PARTICIPANTS



52-year old caretaker for her elderly father who has Dementia. NC, USA



Jeffrey

Eliza's father who has Dementia. Business Executive with a PhD in Chemical Engineering from Yale

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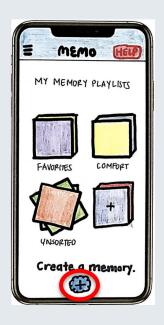


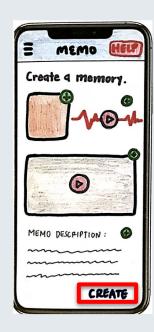
Diagnosed with Alzheimer's 1.5 years ago. 58-year old, French teacher. Atlanta, Georgia.

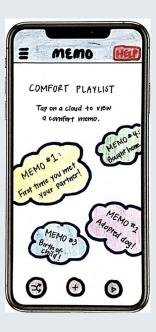


SIMPLE

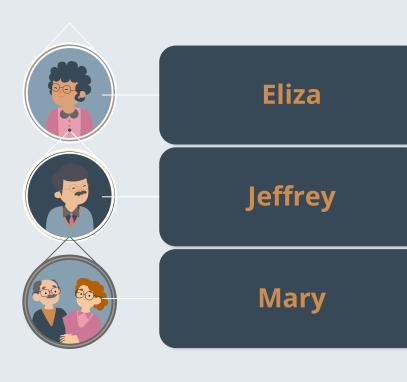








TASK 1

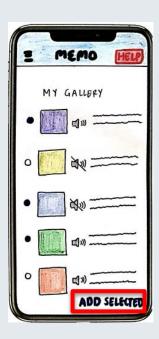


- → Would like "trigger warning" on memories (some are too emotionally charged)
- → Confused at the "thumbs up" and "thumbs down"
- → Cloud memories could get **overwhelming**
- → "Why are there **two plus buttons** on the playlist screen?"
- → "I wish there were more language options"
- → Help button feels very **intimidating**

MODERATE





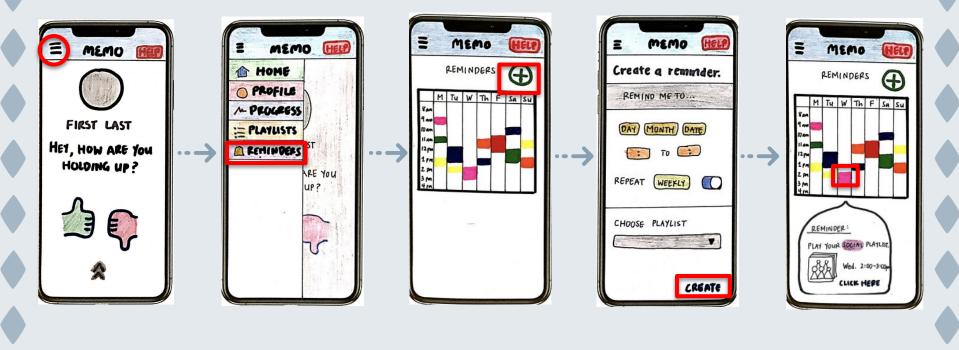




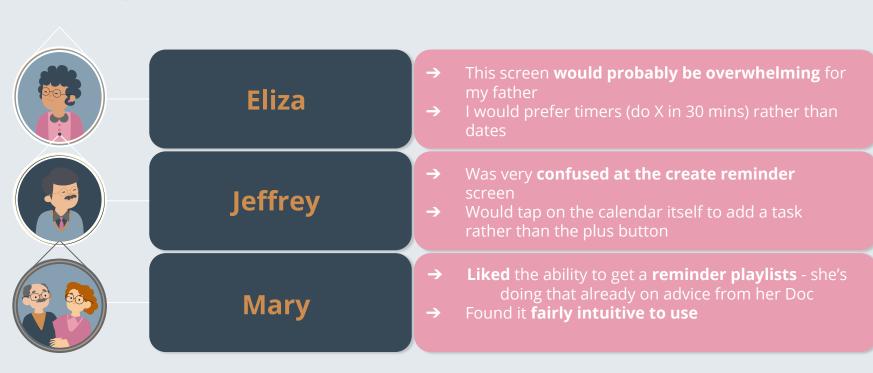
TASK 2

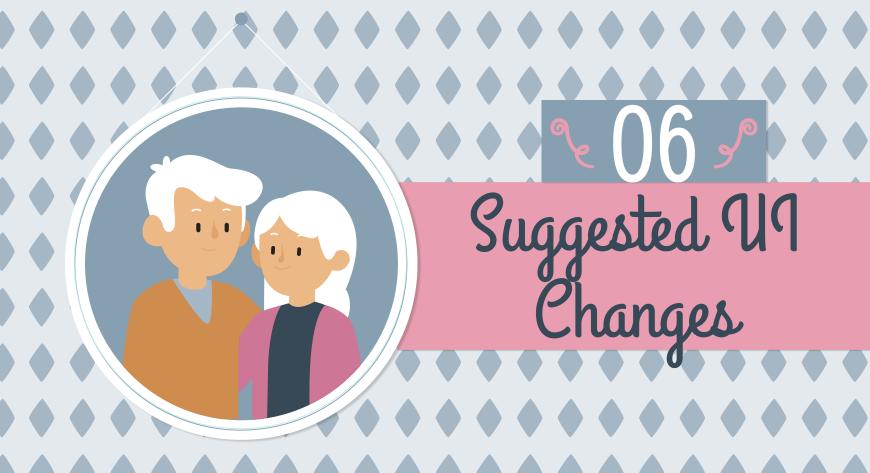


COMPLEX



TASK 3



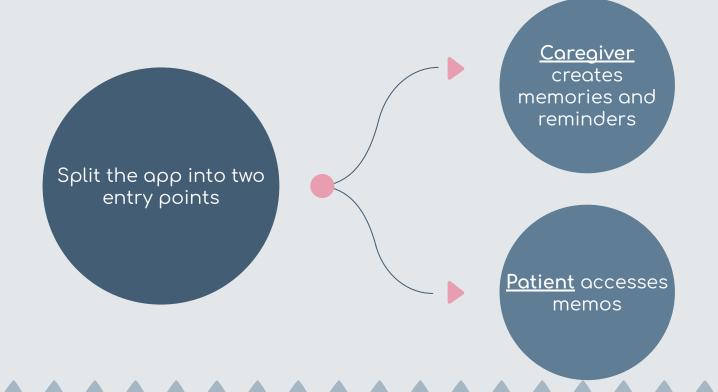


INTEGRATION OF FEEDBACK

Symbols and words that are universal to us might not be universal to dementia patients.

- (bold red is too intimidating)
- Incorporate various language options as dementia patients react more positively to their native tongue when they experience an episode.

ADDITIONAL CONSIDERATIONS



SUMMARY

Chose modality & UI Interface



02Low-fi prototype & user testing

Next steps: Med-fi prototype given feedback

THANKS!

Questions?

