memo

Take a scroll down memory lane.

Meet the Memo Team!







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O1 Value Proposition, Problem / Solution Overview

Value Proposition

Take a scroll down memory lane

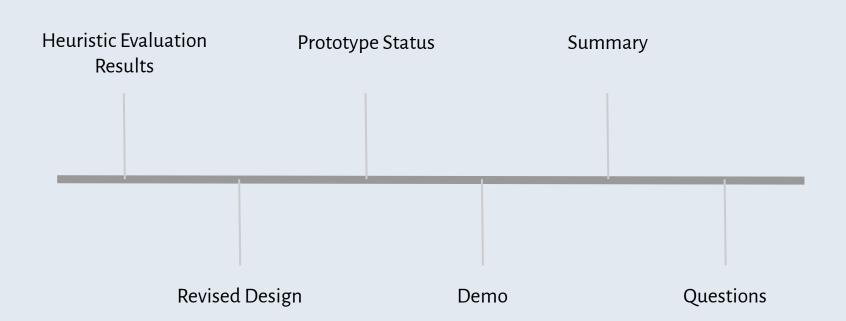
Problem

Early Onset Dementia patients and their caretakers currently have a difficult time documenting and aggregating their life experiences

Solution

Interactive life storybook that amplifies sensory media to keep memory-impaired individuals and their loved ones engaged and connected

Overview of Talk



Heuristic Eval Results 02

Heuristic Evaluation Overview

Severity 3-4

15 total violations
10 changes

Severity 1-2

43 total violations
16 changes

Most Violated Heuristics

H3: User Control (4)

H2: Match System & World (4)

H4: Consistency (4)

Design Revisions #1

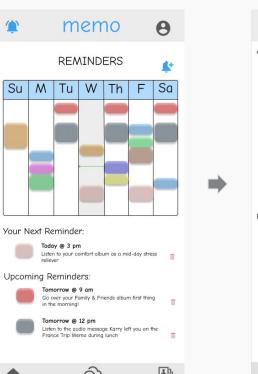
User Control and Freedom

- There is no ability to edit reminders without completely deleting and recreating them.
- Memos and albums not editable/deletable once created

Added delete and edit functions to reminders via the **three dots**

(We also re-designed the calendar view)

Before



After



Memos are now **editable** and **deletable** by the edit function on the new **Album View** screen

(We also developed a new album view screen)



Design Revisions #2

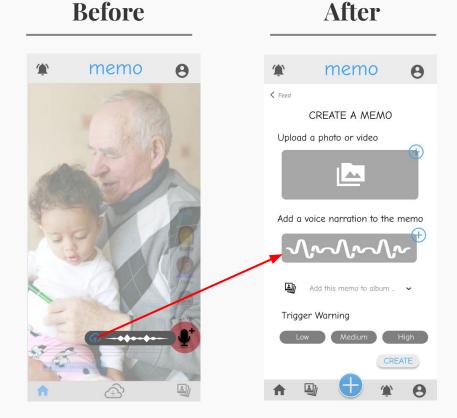
Flexibility and efficiency of use

Voice Commenting Features:

- Integration/sync of voice comment with uploaded media is unclear
- Voice commenting and social aspects overcomplicate app for Dementia patients

- Removed voice comment feature
 - move away from social
 aspect and refocus to make
 app more patient-centric

 Added voice narration feature for the creator of the memo to narrate the memory



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Before



After



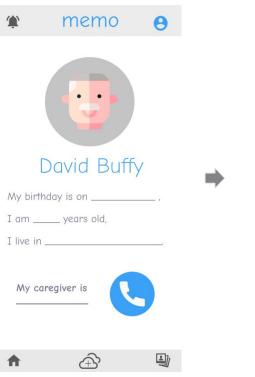
Design Revisions #3

Help and Documentation

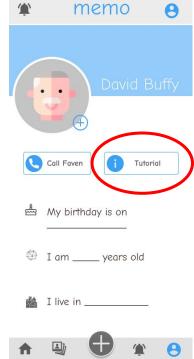
- After the initial onboarding, users are unable to access the walkthrough again for reference

Included access to onboarding screens and additional app resources on the users profile page

Before



After



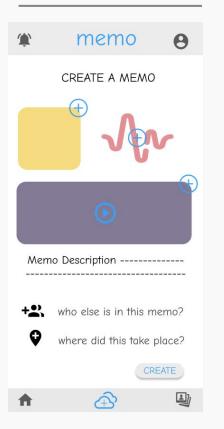
Design Revisions #4

Error Prevention

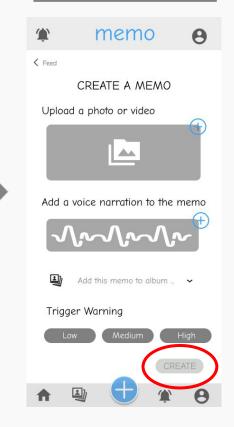
- Create memo button wasn't greyed out while user was uploading media
- User could accidentally have clicked the "call caregiver" button

We have now greyed out the "Create" button if user hasn't uploaded anything yet and activate it when user is ready

Before

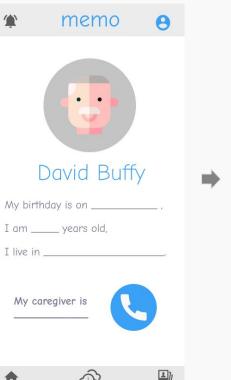


After

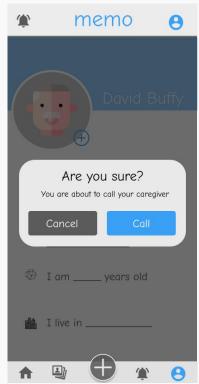


We included an error prevention step that confirmed that the user was indeed intended to call caregiver

Before



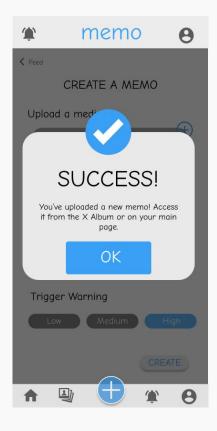
After



Design Revisions #5

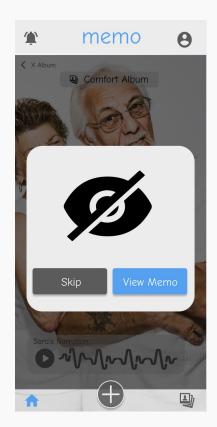
Visibility of System Status

- The "create" action on the Create A Memo page lacks indication of the user's state of success
- Trigger warning isn't displayed anywhere on the memo



Success notification pop-up

Trigger warning that allows patients to skip or watch memo



Design Revisions: Severity 1–2

- Removal of Tags (people, location, album tags, etc.)
- App-wide back button
- Moved profile and reminder icons to bottom navigation bar
- Added album title on feed to remind viewers what album they're in
- Added play button to hear voice narration of memo creator

Prototype Implementation Status

Tools Used

Figma

React Native

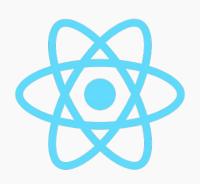
Expo

User Interface Designs

Application Framework

Building & Simulation



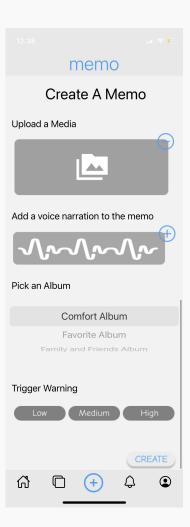




Implemented Feature #1

Create a memo.

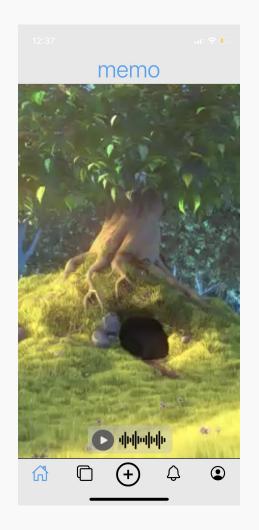
- Implemented memo creation
- Design
 - Completed UI
- Functionality
 - User can upload photo or video
 - Select album to add memo to
 - Select trigger warning status
 - Uploaded medias show up on memo feed



Implemented Feature #2

View memos.

- Implemented memo feed
- Design
 - Completed UI
- Functionality
 - User can scroll through and view memos!
 - Both visuals and audio components are functional



Demo!



Un-implemented Feature #2

ALBUM

Plan of Action:

01

Create an album

02

Add existing memos to an album

03

View an album

Un-implemented Feature #3

REMINDERS

Plan of Action:

01

Create a new reminder

02

Notifications of reminders

03

Calendar view of all reminders

Un-implemented Feature #3

Profile

Plan of Action:

01

User profile page

02

Call caretaker

03

Documentation / onboarding feature

Wizard of Oz Techniques

- 1. While our final app will have a personalized feed of Memos based on when a Memo was posted, how engaging it was to the patient, etc, our current iteration just plays Memos in chronological order
- 2. We also skip the onboarding process by assuming the caregiver/patient has already inputted their information into the app

Hard-Coded Data

- Audio component
- In memo creation: selection of album to add memo to is hard-coded

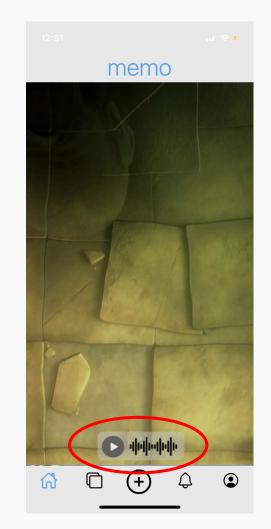
(because we have not implemented album feature yet)

We'd love to hear your feedback!

Question: Voice Component

Feedback on design of voice narration feature?

- novel feature -> intuitive?
- placement
- play button
- etc.



Questions for us?

Thank you.