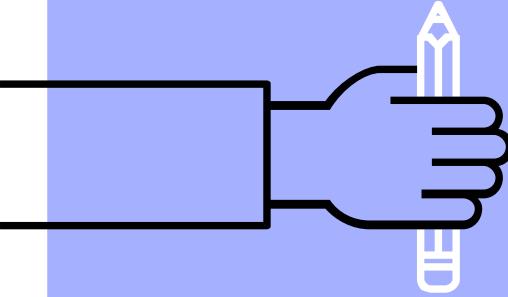
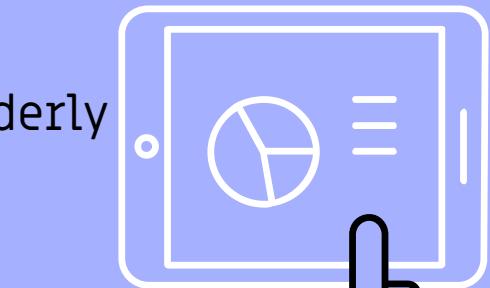


# DIGIFAM

Alleviating Loneliness Among the Elderly



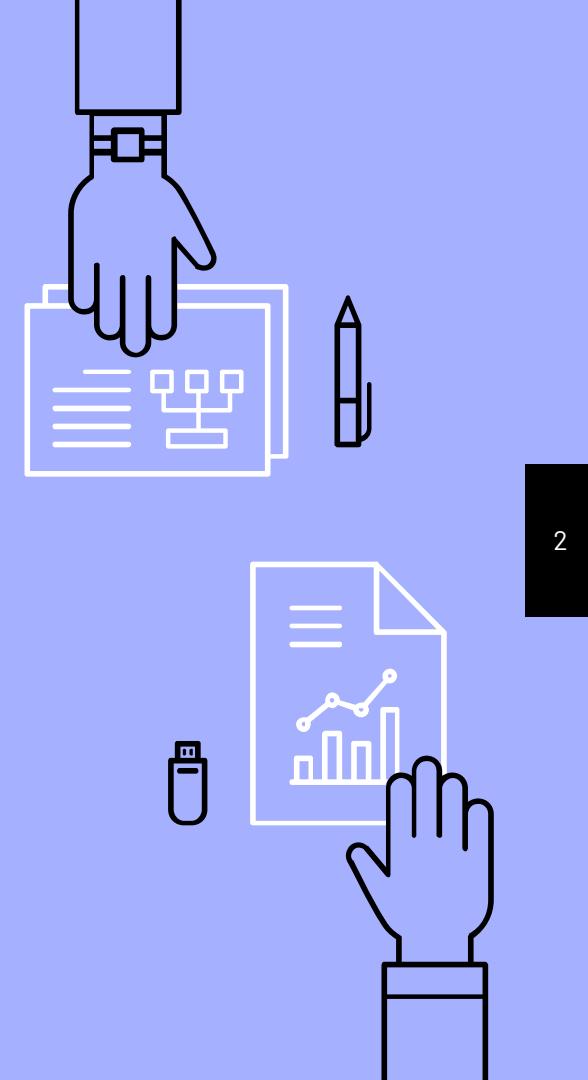
Mimi Ruo, Lisa Vo, Rachel Zigman

# Overall Problem

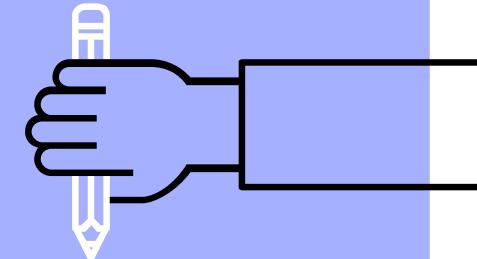
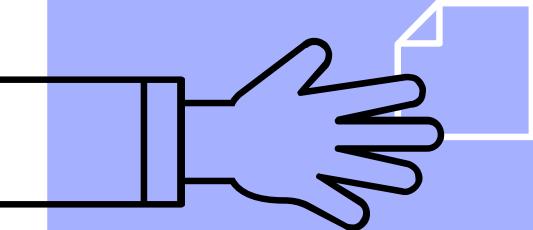
Tech-oriented society

Elderly often left behind or forgotten

Feelings of loneliness, isolation, lack of communication



# Initial Paper Prototype



# Overview

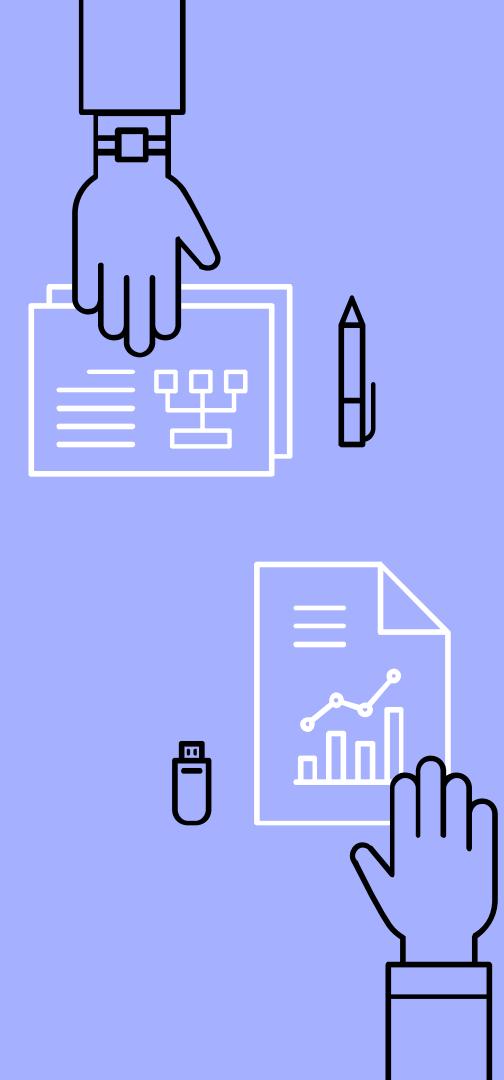
Home Page on DigiFam Hardware

Sign up/in on App

View Feed Pages

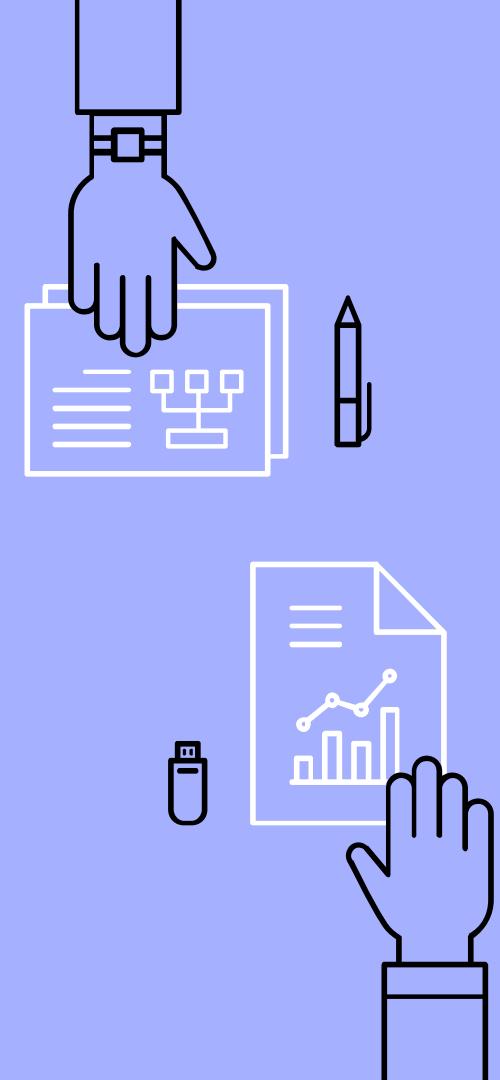
Video Chat Feature (home/hospital)

This section displays hand-drawn wireframes illustrating the user interface design for the DigiFam application across different platforms and features.

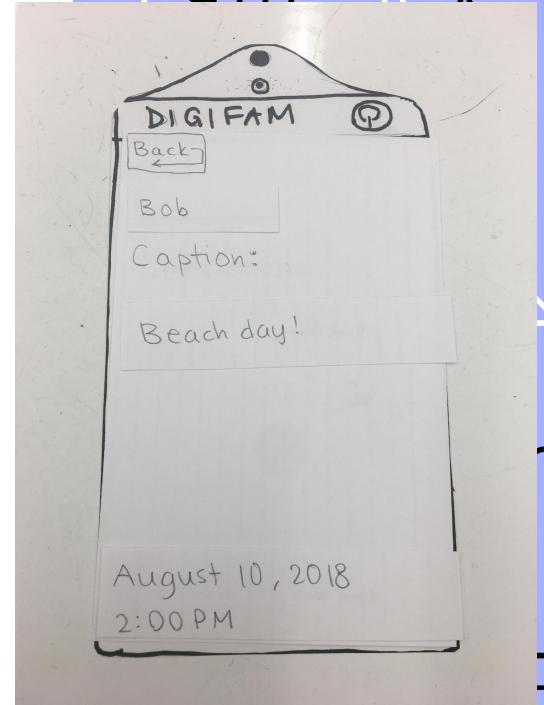
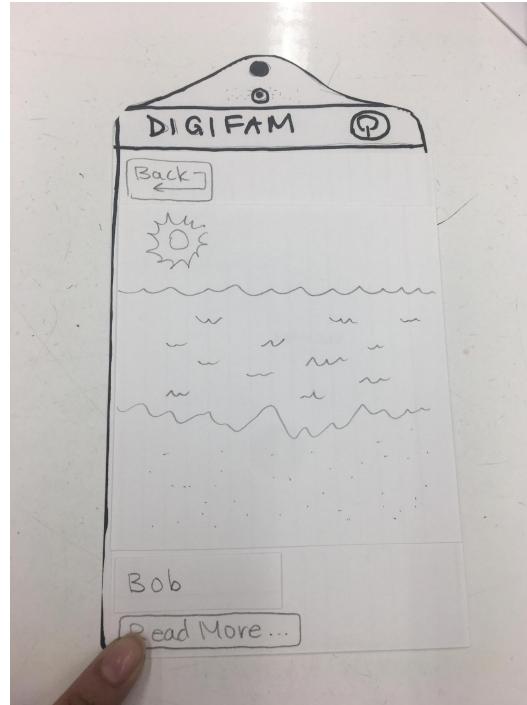
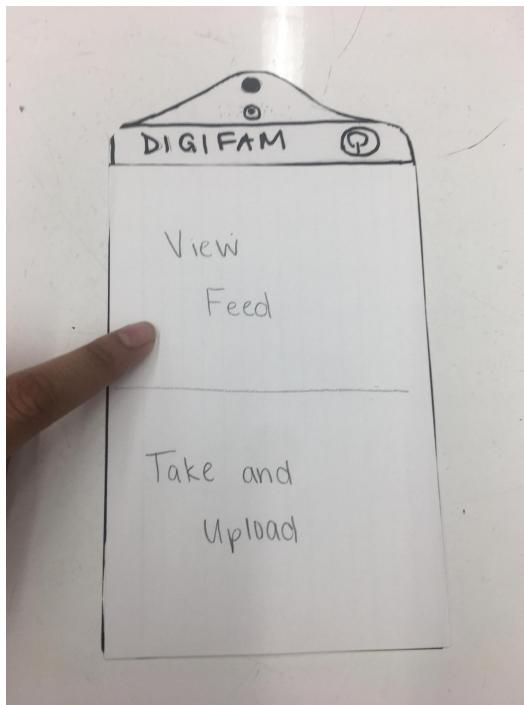


# Tasks

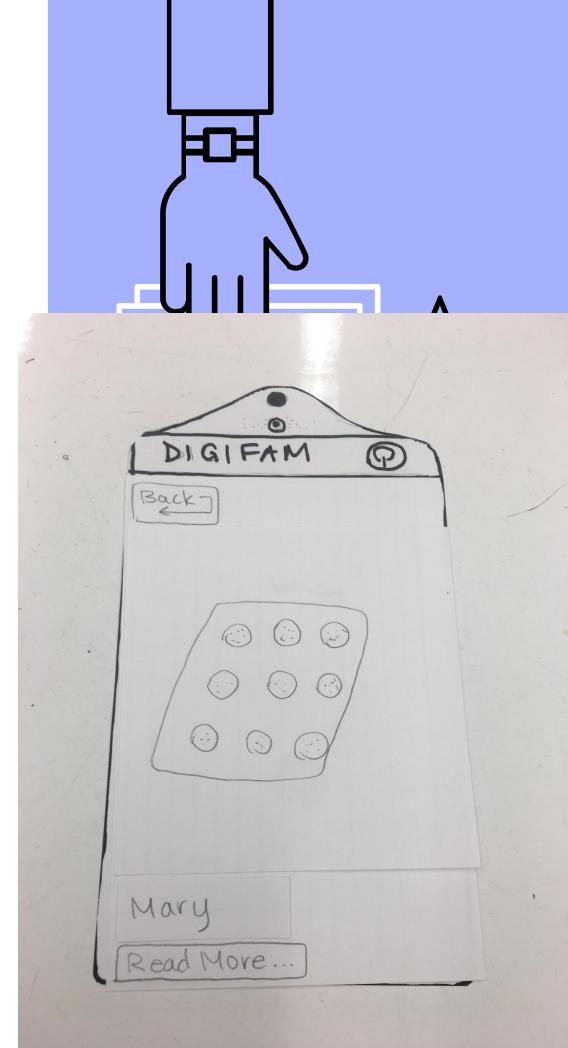
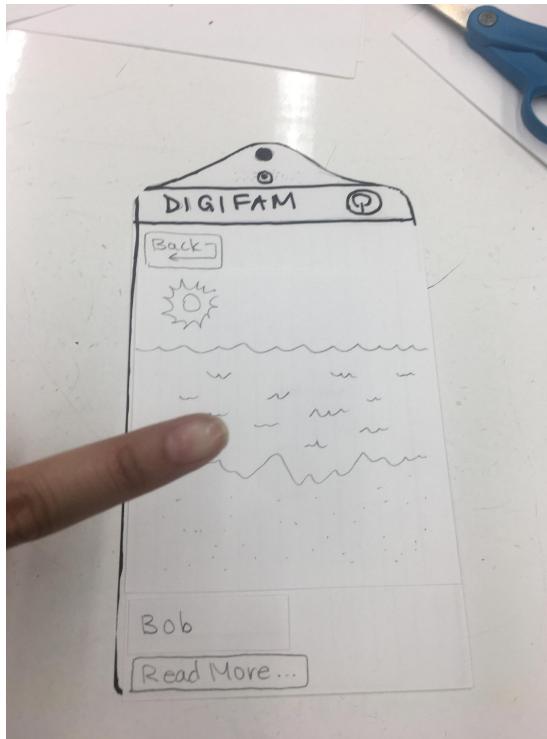
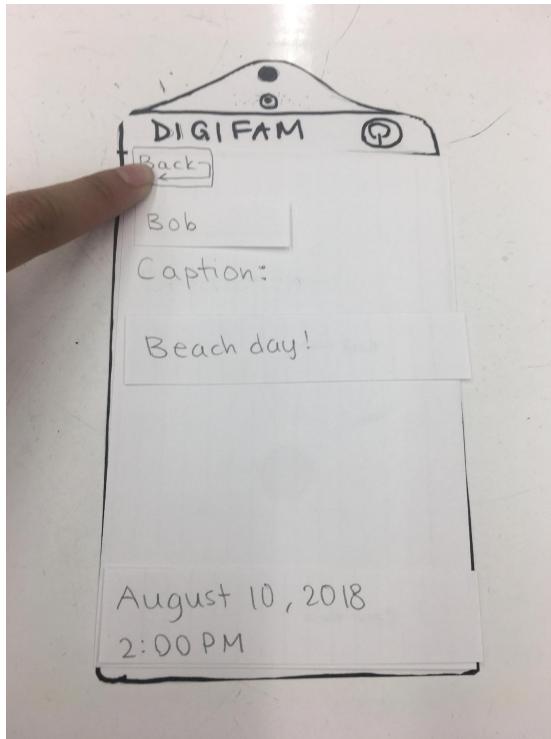
- ▷ Task 1: View photo updates from family
- ▷ Task 2: Remote accompaniment at hospital



# Task 1: View photo updates from family

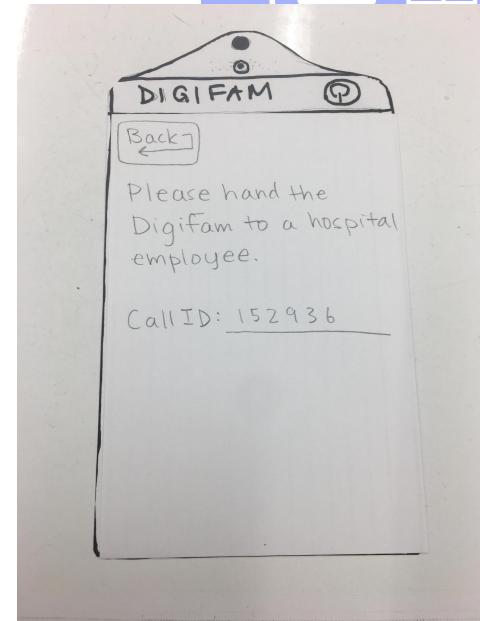
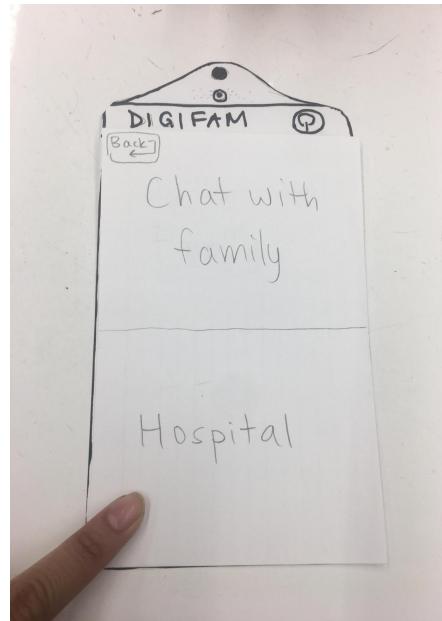
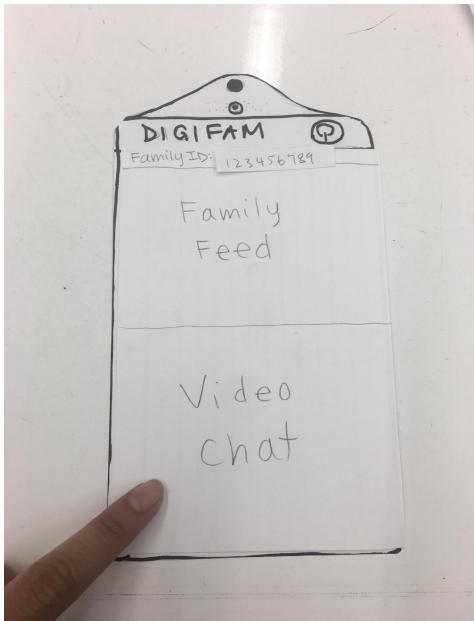


# Task 1: View photo updates from family



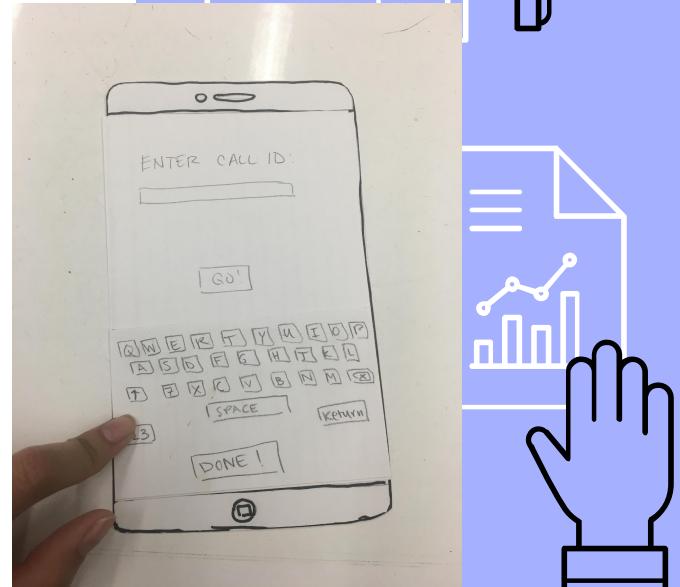
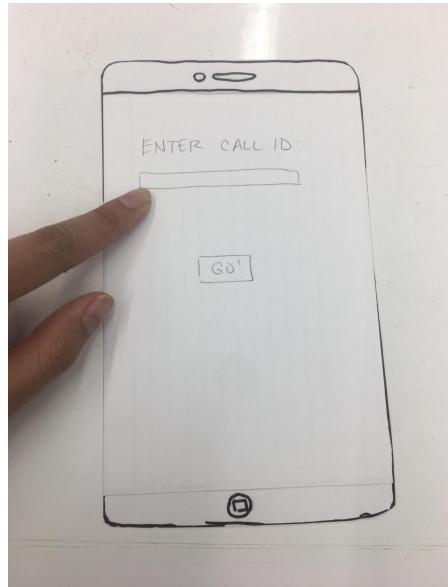
# Task 2: Video call for hospital visits

- ▶ On DigiFam device



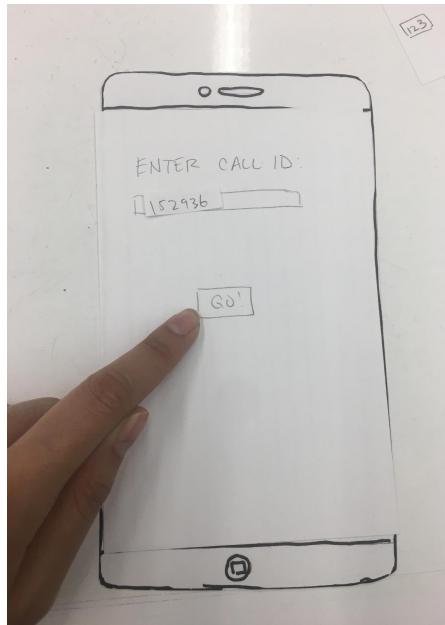
# Task 2: Video call for hospital visits

- ▶ On hospital device

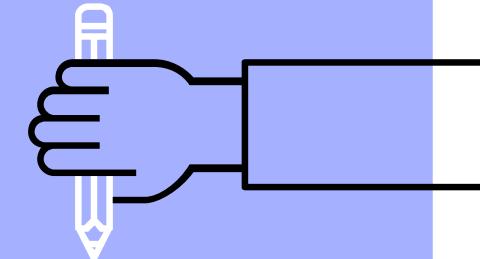
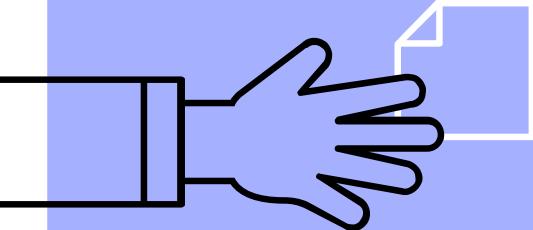


# Task 2: Video call for hospital visits

- ▶ On hospital device



# Testing Process and Results



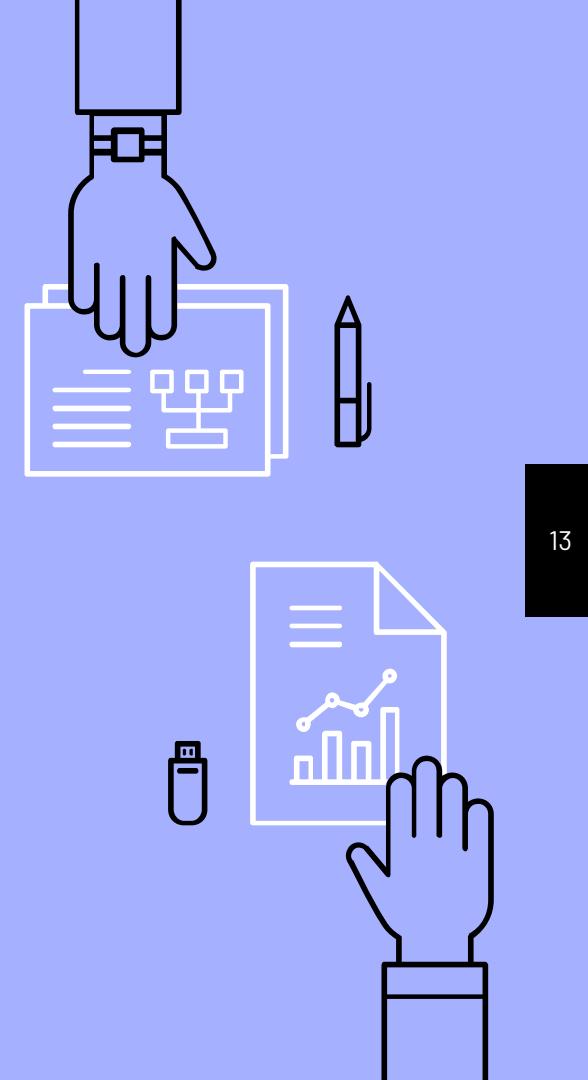
# Testing Process

- ▶ Introduce domain and goal
- ▶ Introduce two primary tasks
- ▶ Make observations and evaluations during and after testing



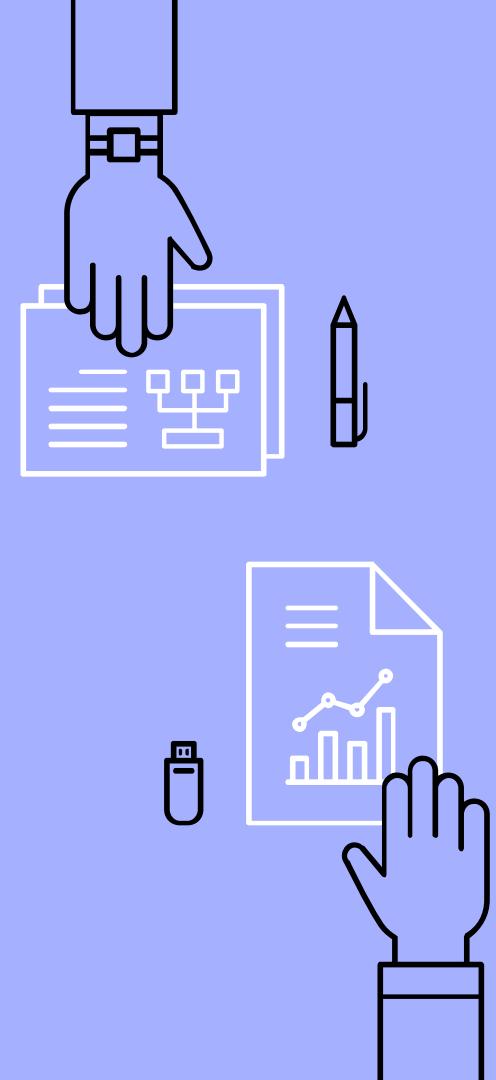
# Process Refinements

- ▶ Before
  - Gave too much guidance
  - Asked too broad of questions
- ▶ After
  - Interviewees were given less guidance
  - Asked more specific questions



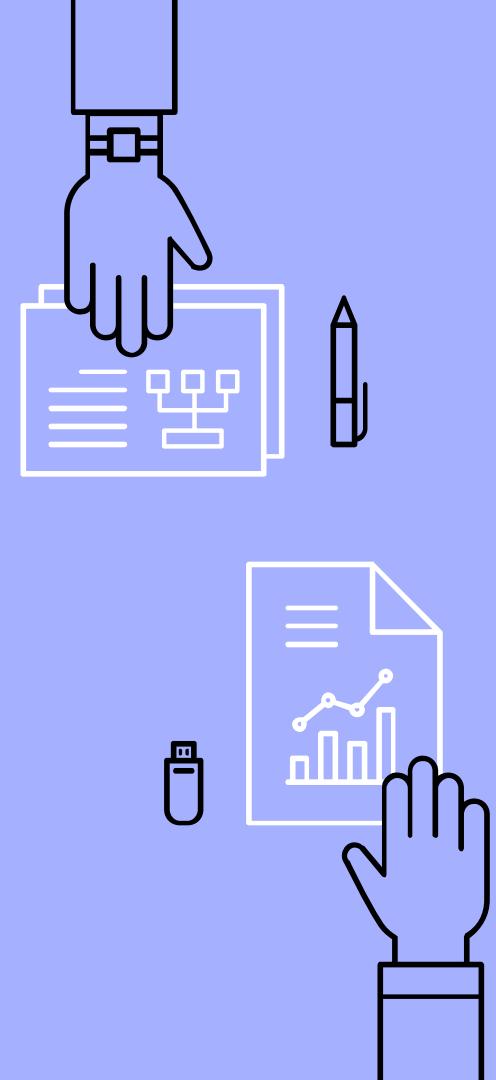
# Testing Results

- ▶ Icons may be confusing to older people
- ▶ Social media jargon may be confusing
- ▶ No volume buttons
- ▶ No screen to view self during video call

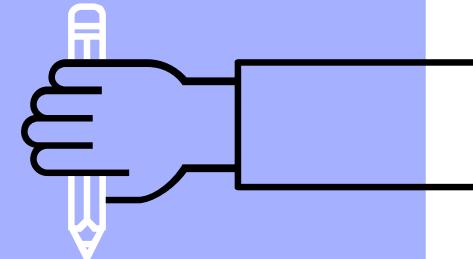
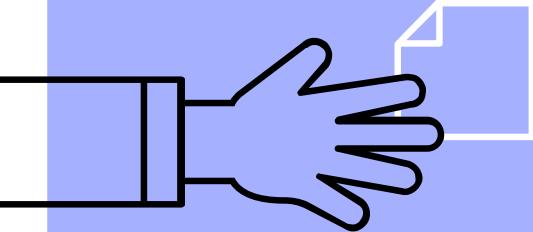


# Design Refinements

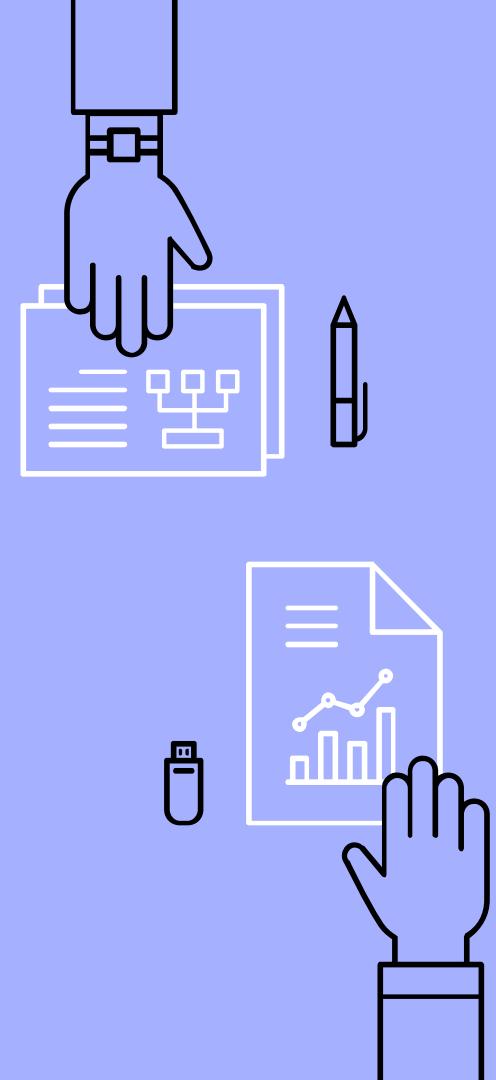
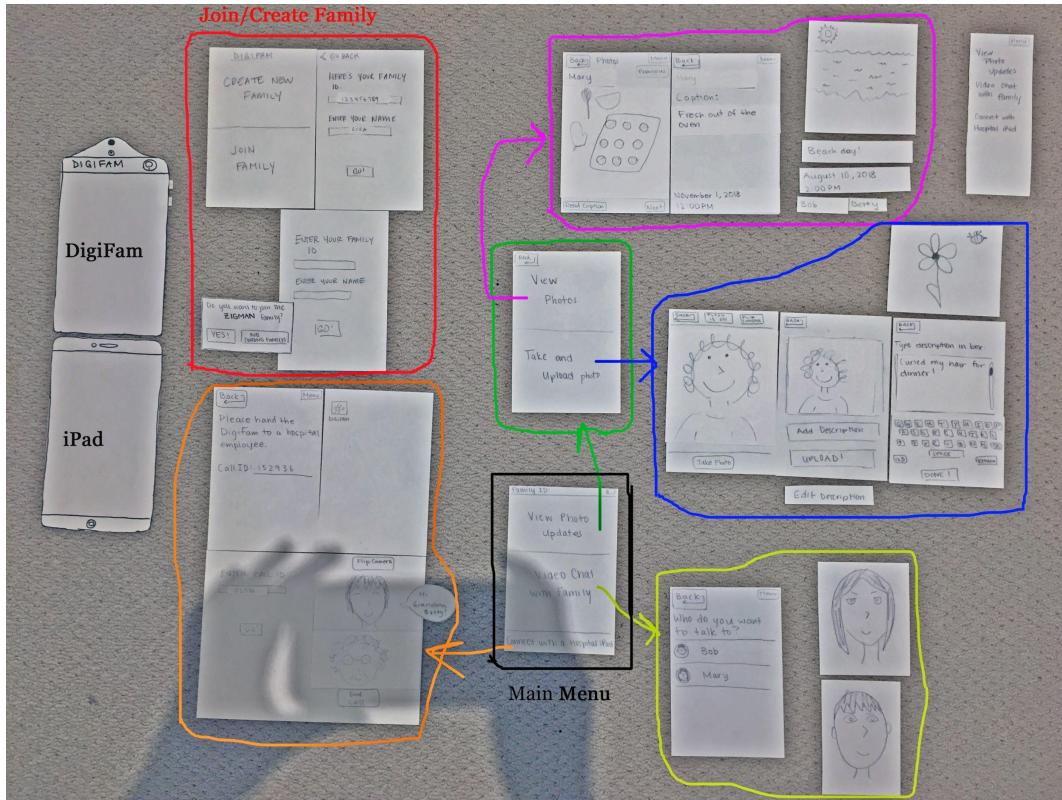
- ▶ Change icons to words
- ▶ Remove unfamiliar jargon
- ▶ Add physical volume buttons on side
- ▶ Add screen to view self during video call



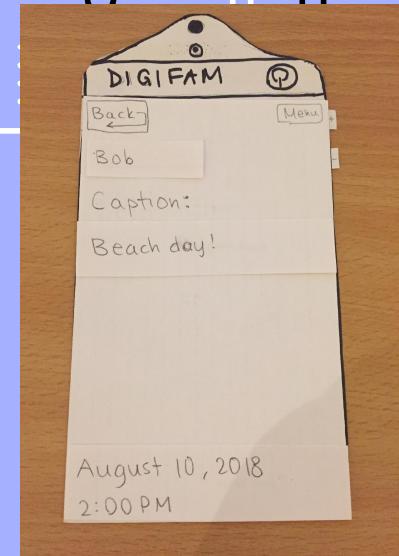
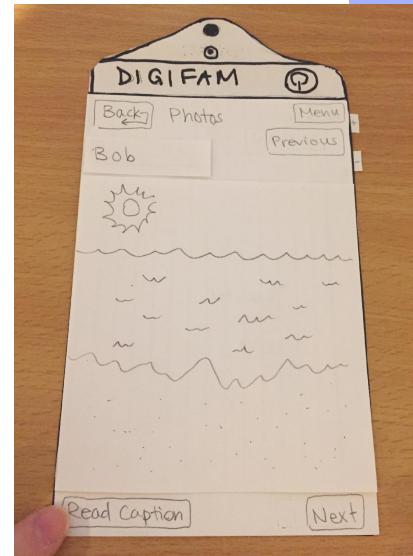
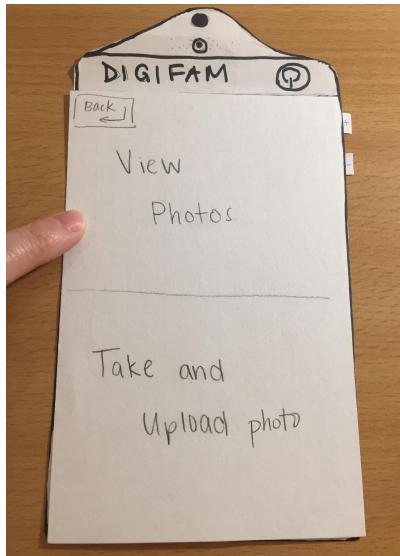
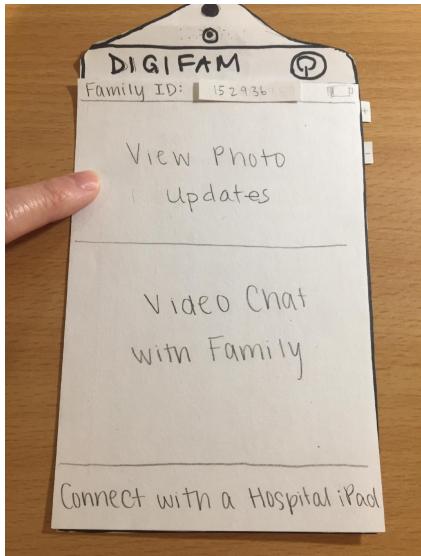
# Final Paper Prototype



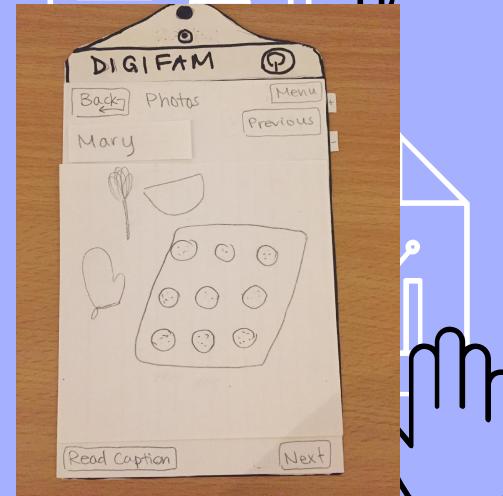
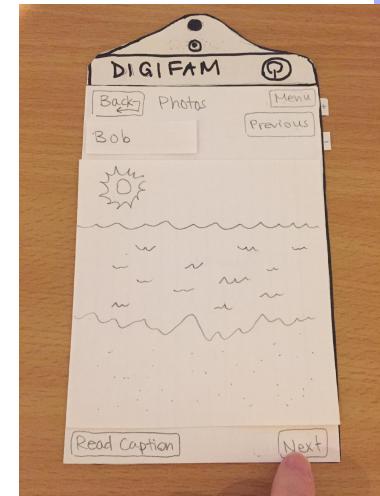
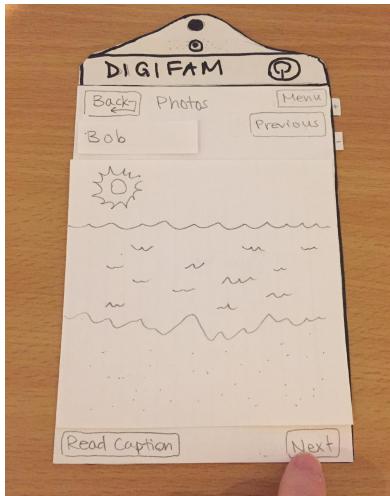
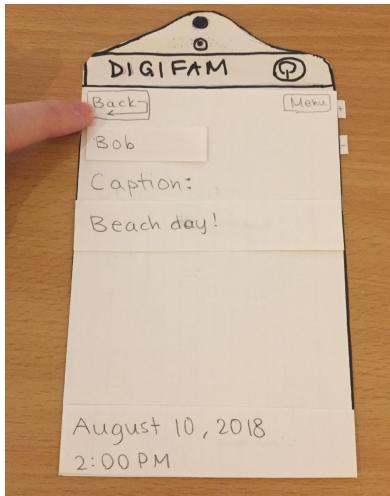
# Overview



# Task 1: View photo updates from family

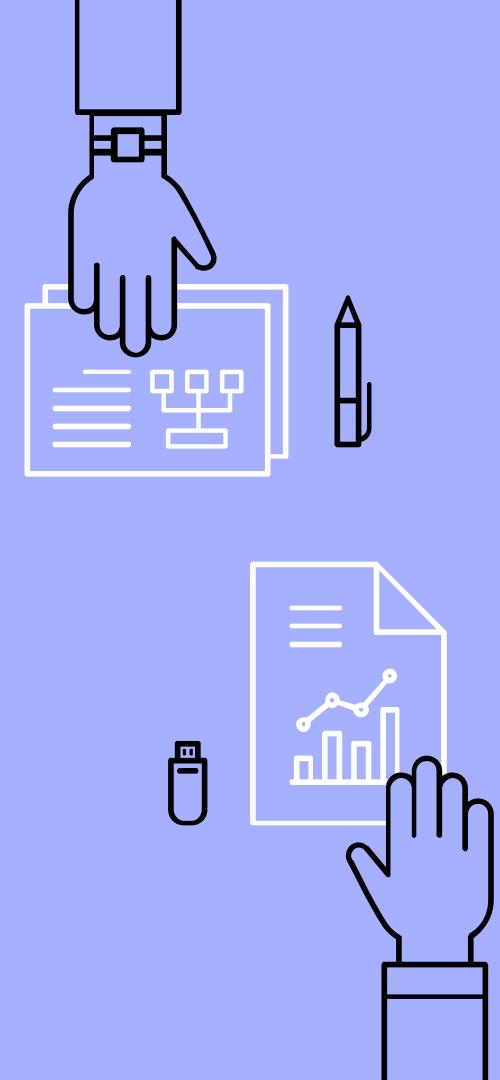
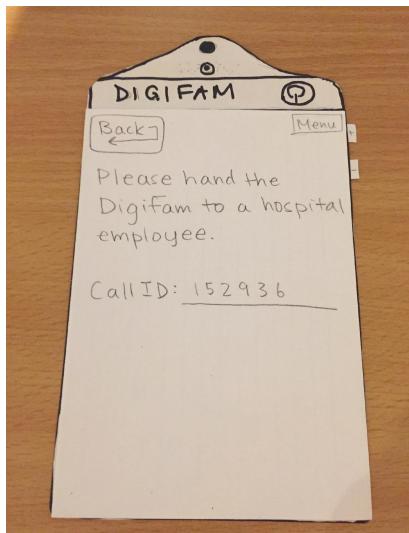
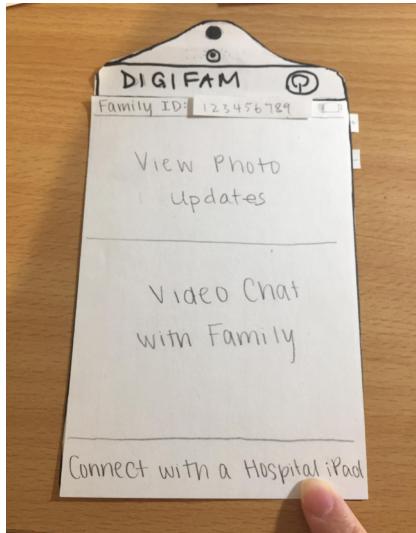


# Task 1: View photo updates from family



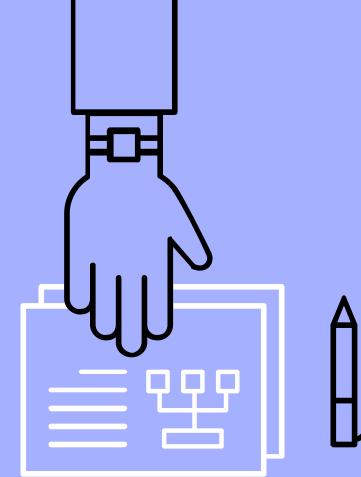
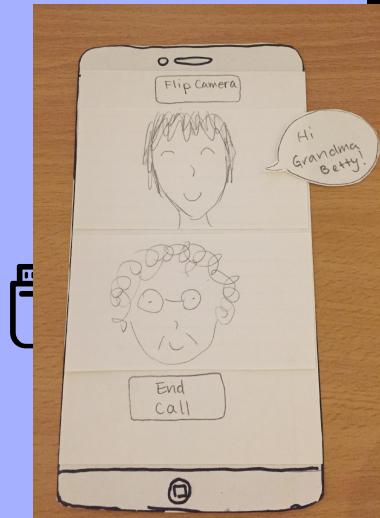
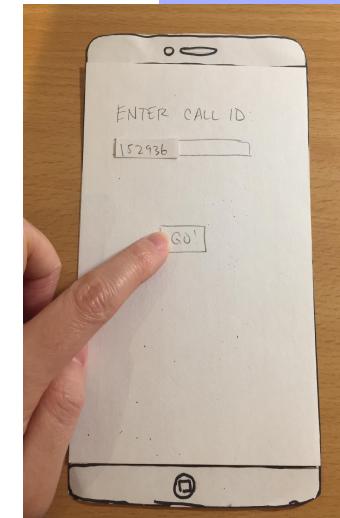
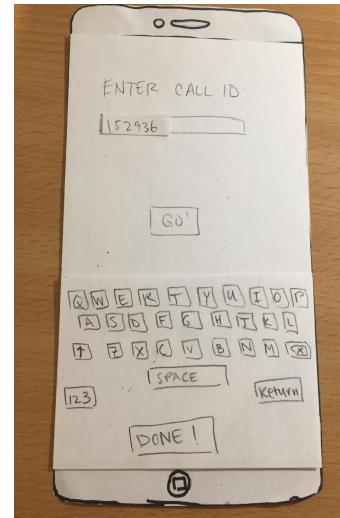
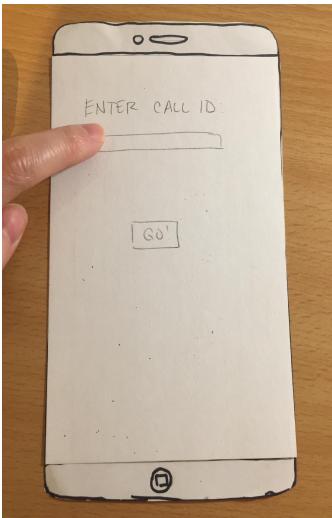
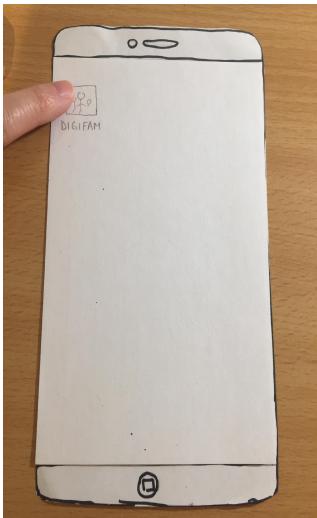
# Task 2: Video call for hospital visits

- ▶ On DigiFam device

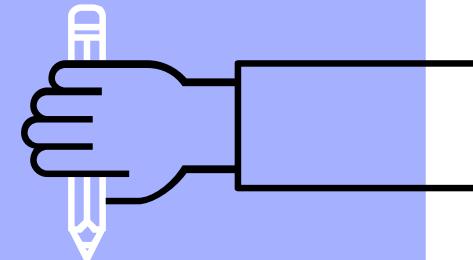
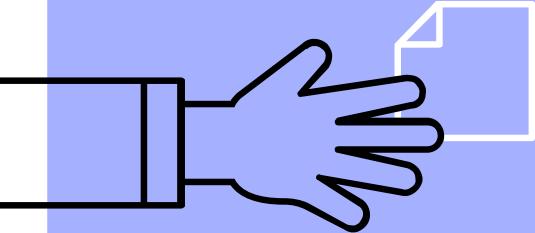


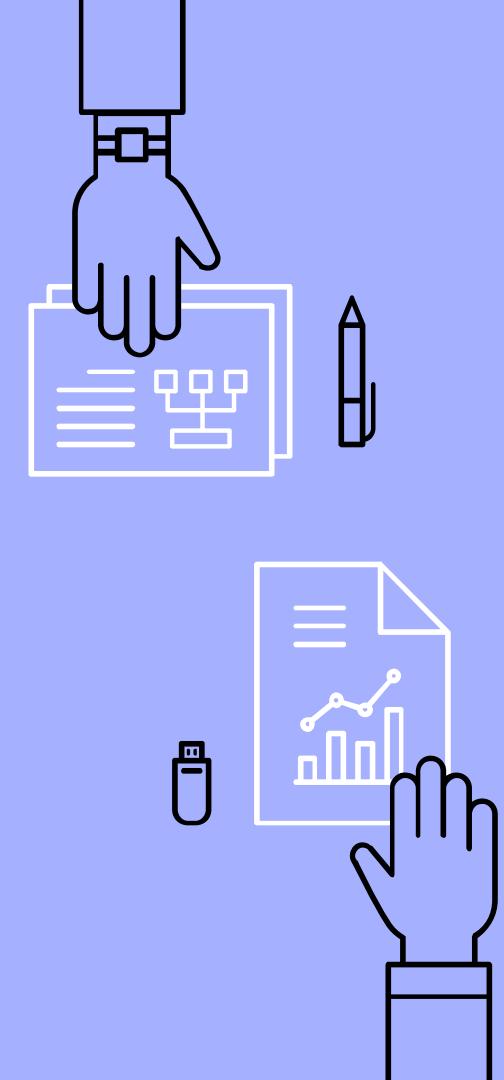
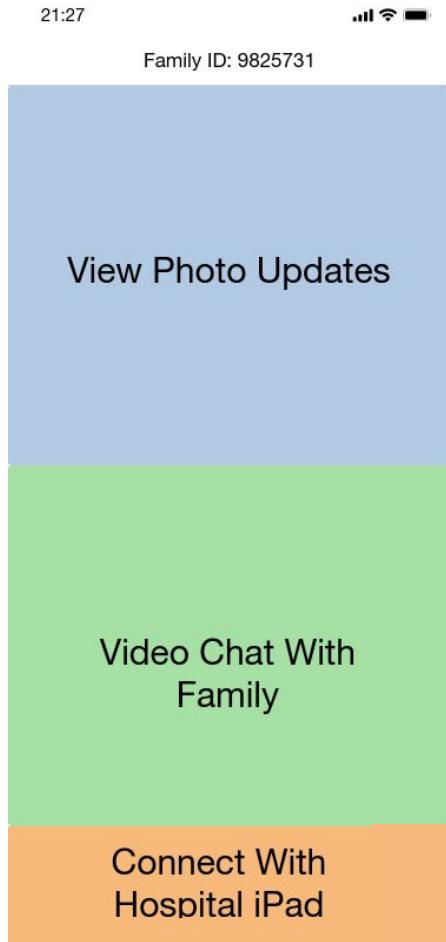
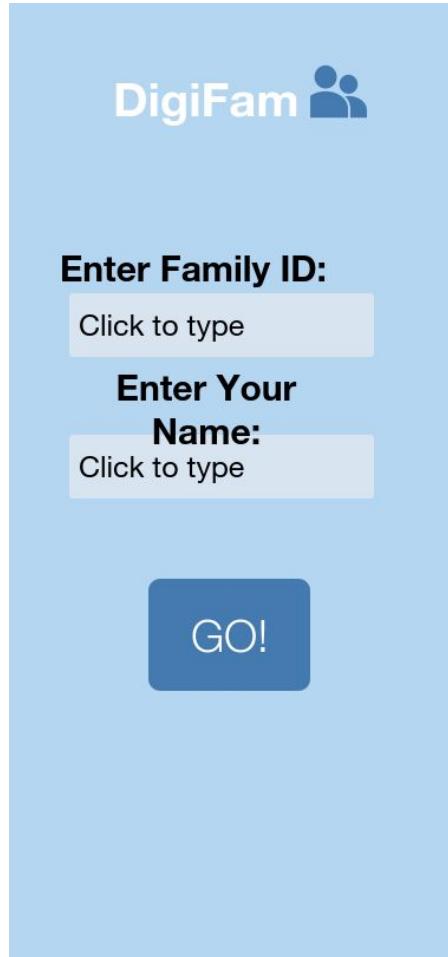
# Task 2: Video call for hospital visits

- ▶ On hospital device



# Digital Mockup





# Task 1: Viewing photo updates from family

← Back to Home

View Photos

Take and Upload  
Picture to News  
Feed

← Back

Menu

Susan



Read Caption

Next

← Back to Photos

Menu

Susan

Baked chocolate chip  
cookies today using  
Grandma Betty's recipe!  
They are delicious! :)

June 10, 2018

12:38pm

← Back

Menu

Previous

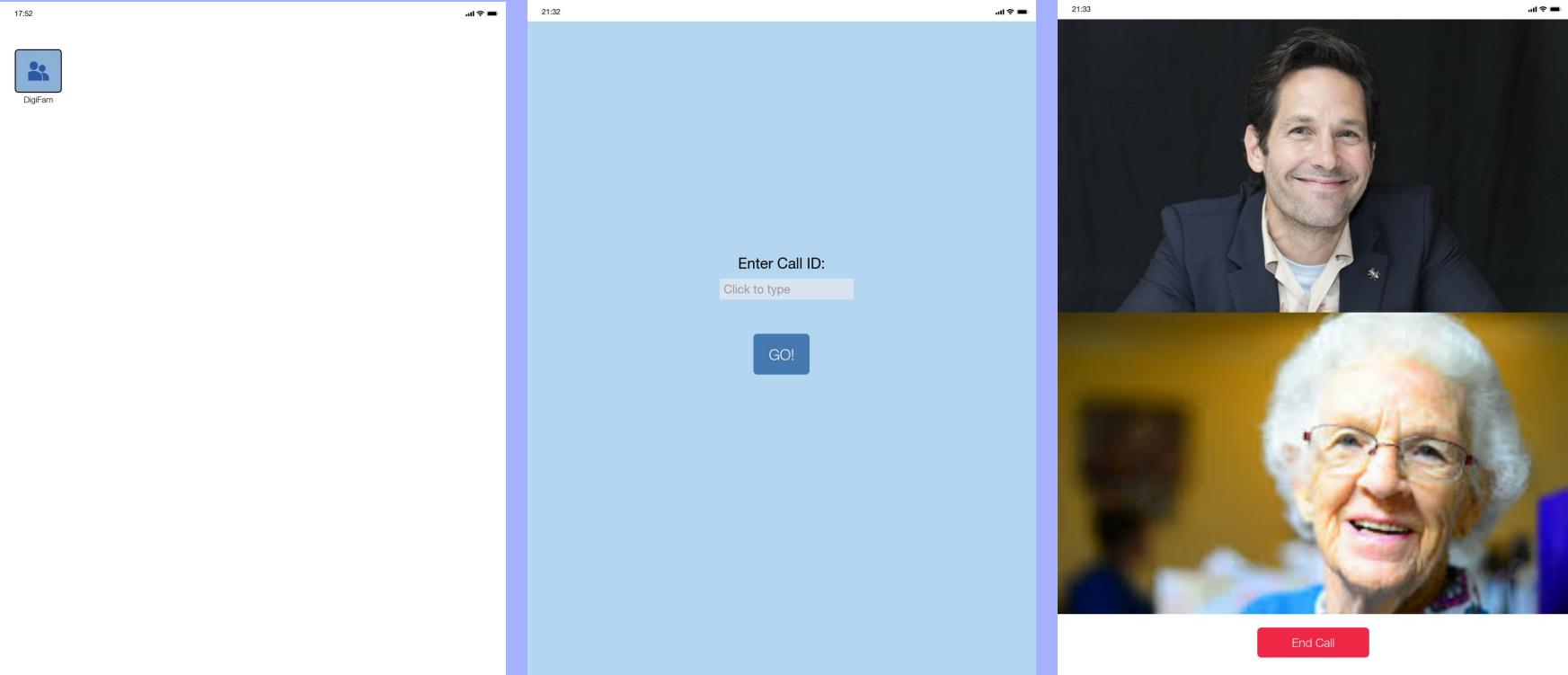
Brian



Read Caption

# Task 2: Video call for hospital visits





(Hospital iPad)

# THANKS!

Any questions?

