

Assignment 6: Interactive Medium-Fi Prototype

CS 147: Augmented
Humans

Value Prop, Problem, and Solution Overview

Mission Statement

The BOLDer team is comprised of Stanford undergraduate students aspiring to enable young adults to better cope with stress in their daily life. Through various needfinding techniques we discovered both the necessity for getting out of our comfort zone to accomplish goals and the stress created by doing so. Whether it be meeting new people, public speaking, or finally getting the courage to talk to your crush, everybody needs a little push to try new things and reach their full potential. With voice driven communication, our product enables, encourages, and prepares you to conquer your everyday tasks with confidence and ease. BOLDer: We're your rock.

Tasks

Simple Task

(Earpiece) Turn on the earpiece, record a conversation, and file the conversation.

Once this is complete, find this recording and practice with the BOLDer AI in the earpiece.

Medium Task

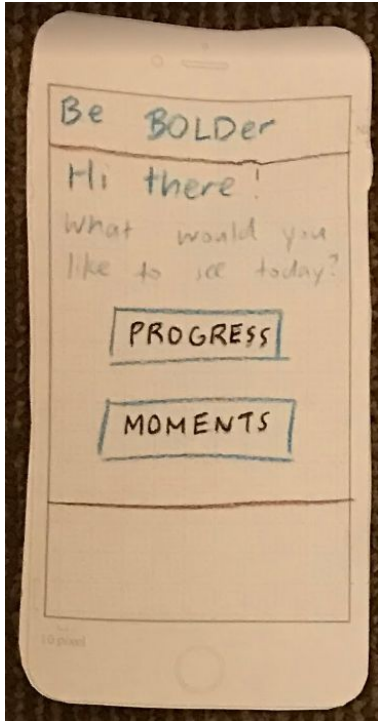
(Mobile App) Search through the app and find a desired achievement.

Complex Task

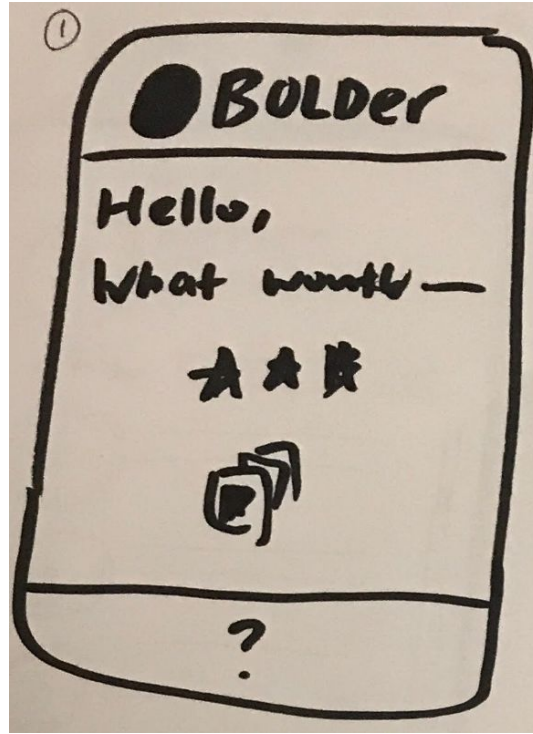
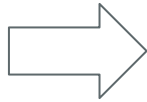
(Mobile App) Find a recording that doesn't have a goal set, select a recommended goal, and sync with the earpiece for later practice of that goal.

Revised Interface Design

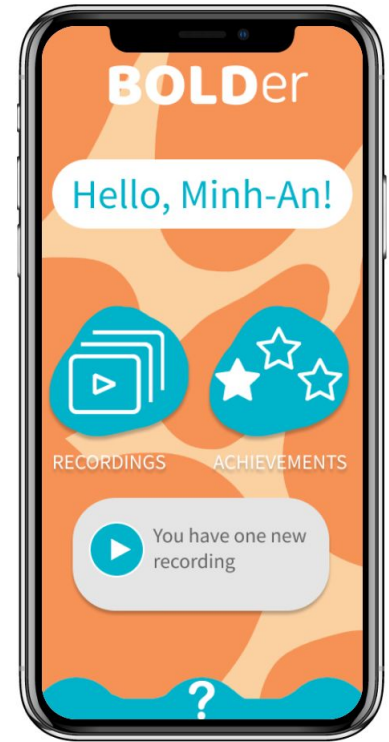
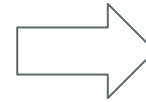
Major Design Change 1: Home Screen



Sketch Before



Sketch After

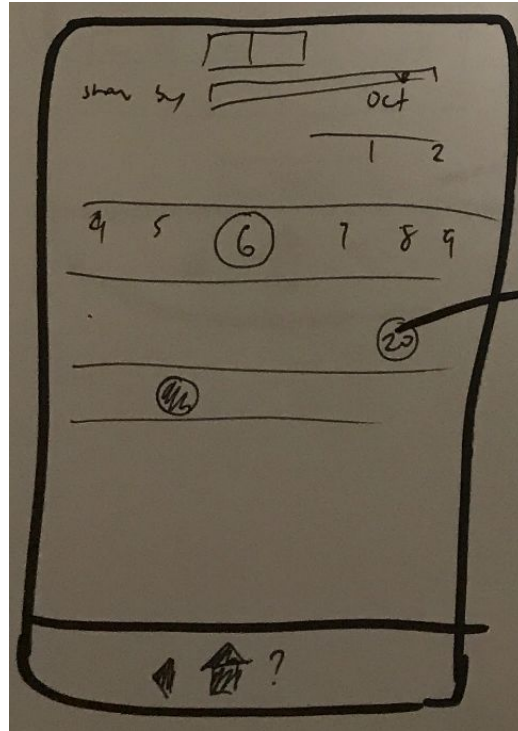
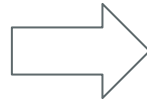


Prototype

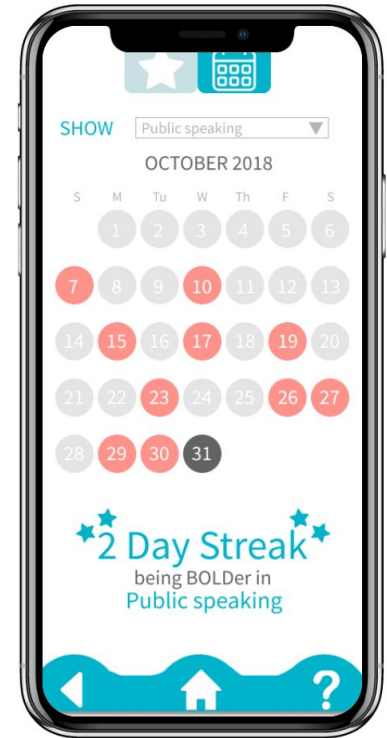
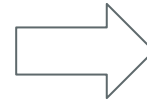
Major Design Change 2: Find Goals



Sketch Before

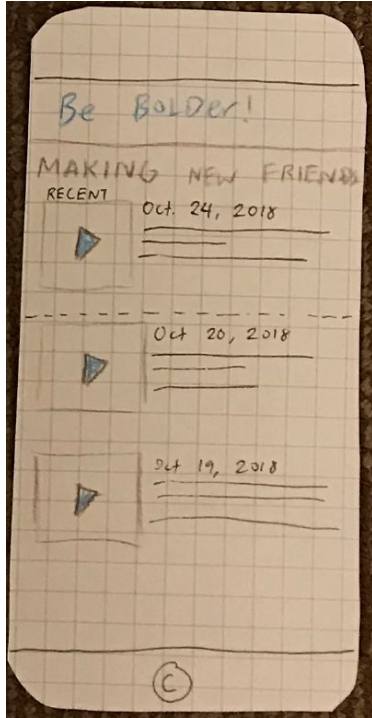


Sketch After

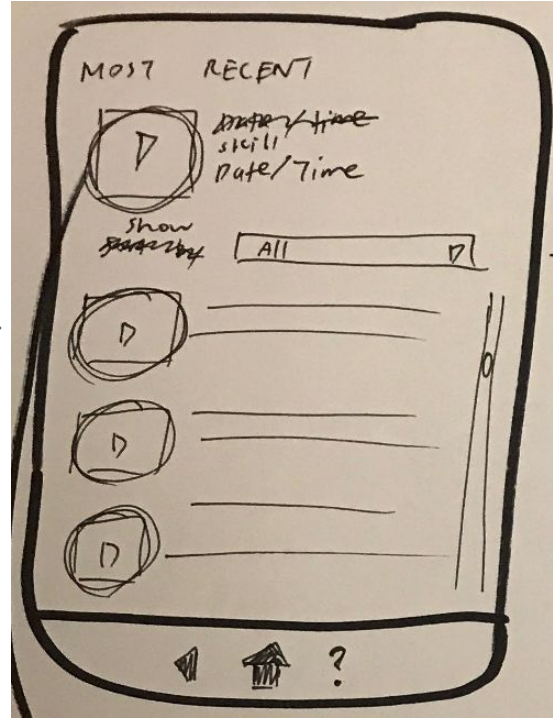
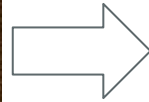


Prototype

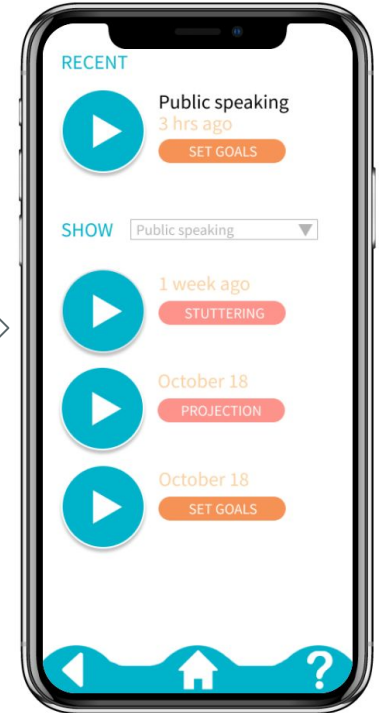
Major Design Change 3: View Recordings



Sketch Before



Sketch After



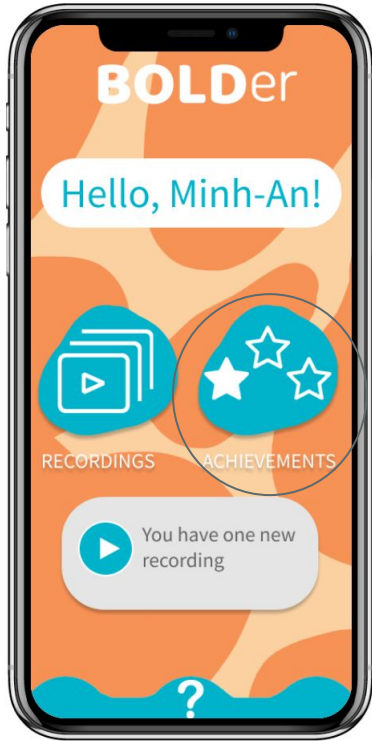
Prototype

Task Flows: Storyboard 1

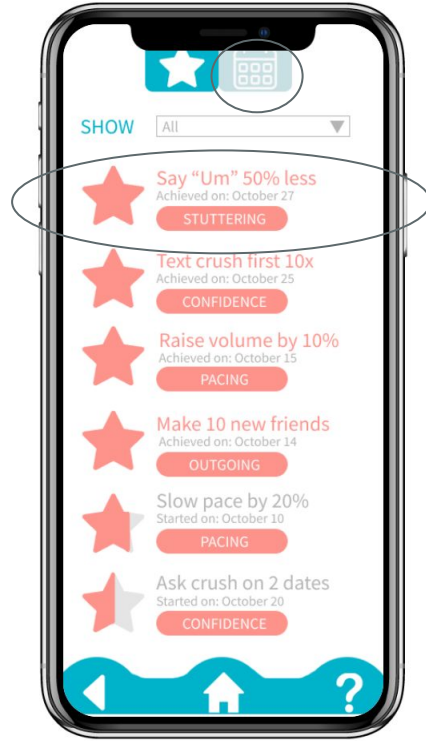


Task Flows: Storyboard 2:

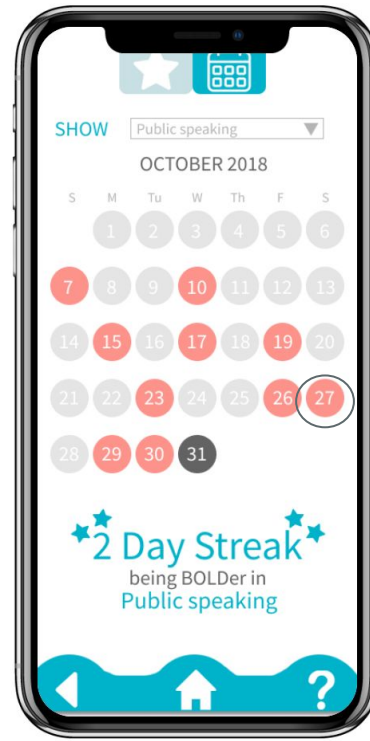
Search through the app and find a desired achievement.



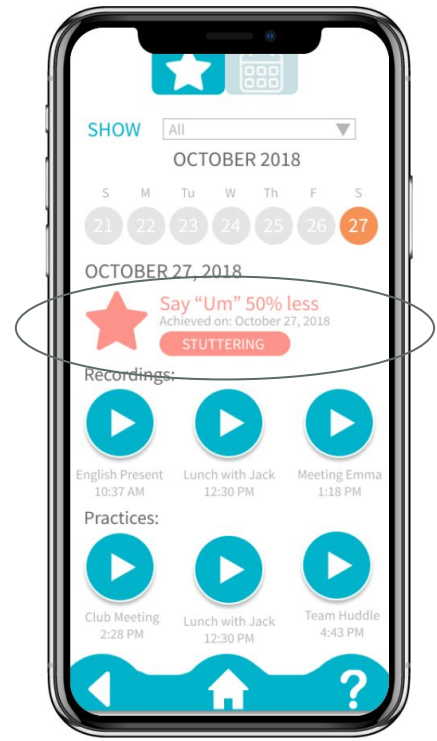
Select "Achievements"



You can either find the achievement by scrolling through the achievement view,



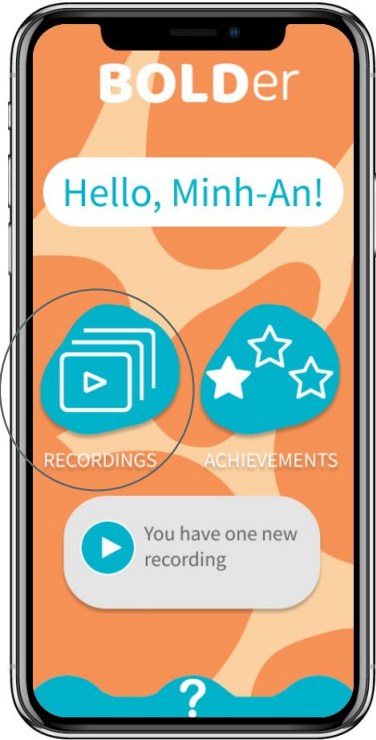
Or if you would like to see days of activity and achievements by day, select calendar.



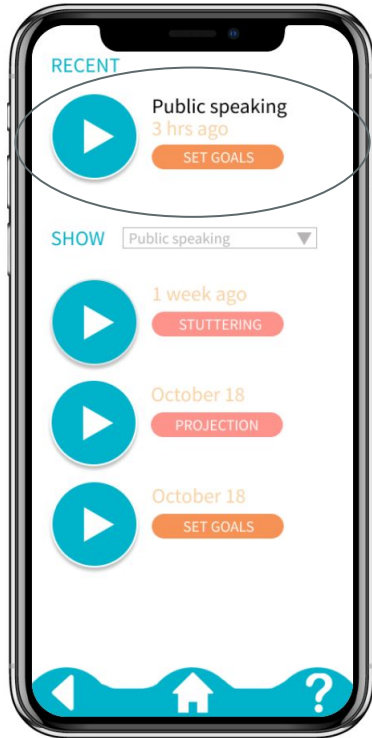
View achievement earned on the day as well as other activity.

Task Flows: Storyboard 3:

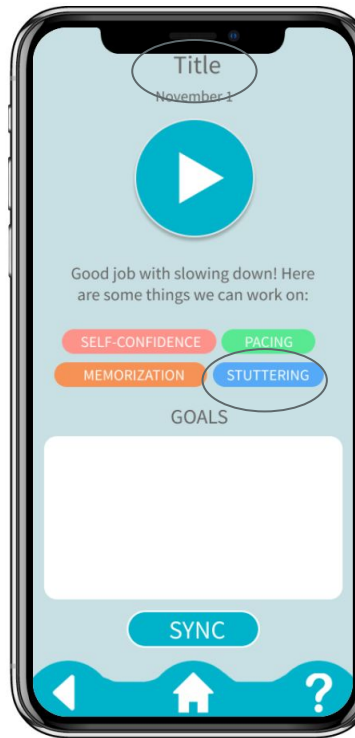
Find a recording that doesn't have a goal set, select a recommended goal, and sync with the earpiece for later practice of that goal.



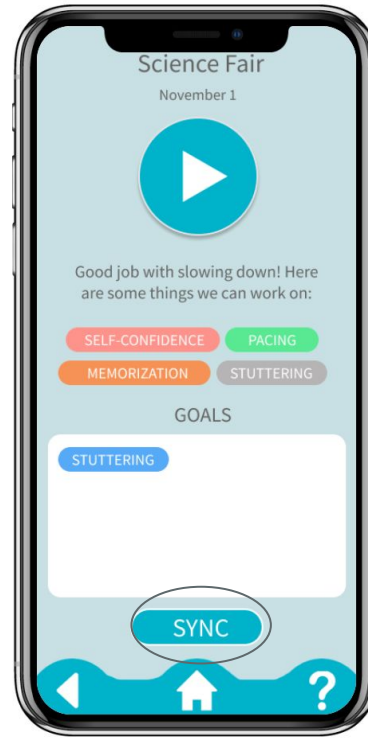
Select "Recordings"



Select a recent skill you have recorded, that doesn't currently have goals set



Name the goal, then select what you would like to work on for that goal



Sync to earpiece!



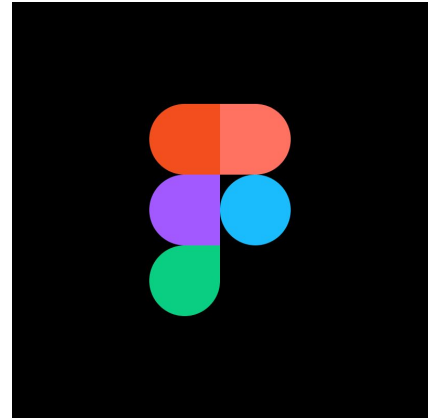
Success!

Prototype Overview

Prototyping Tools

- Figma: Used for designing our application's "front end"
 - Real-time collaboration expedited design process
 - Eventually became cluttered and hard to navigate

- Marvel: Used to test navigating our app
 - Easy to navigate Figma-developed front end of our app
 - Couldn't see specific pages when developing
 - Always had to navigate to that page



Limitations/Tradeoffs

- Sleek / clean design versus labels for certain buttons and menus (Home screen)
- Clear distinction between Achievements / Recordings taskflows and what falls under the domain of each, while wanting to make a well-connected and navigable app that shows the bigger picture of how recordings and practice on recordings will affect achievements
- Goal of creating a easily navigable wearable tech that seamlessly fits into your life without, and wanting to provide greater functionality and interface with an app

Wizard of Oz techniques

- No actual connection between earpiece and phone
- No interactive AI to communicate with within earpiece
- No way to navigate earpiece with touch
- No AI-generated suggestions of goals or achievements based upon user's recordings and responses within the App

Hard-coded features

- No scrolling functionality yet on “Achievements” screen in view by achievement.
- No scrolling functionality yet on the “Recordings” screen where recordings are listed chronologically
- Only October 27th is a valid date to select on the calendar
- Names of recordings, the goals for each, and the set of recordings shown are immutable
- Only certain dropdown menu items to filter by task are accessible and valid choices currently