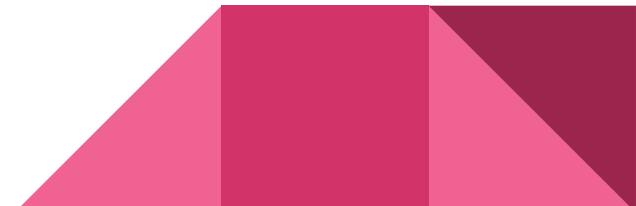


Polytone
By ATeam

Overview

- Mission Statement
- Selected interface
- Low-fi prototype
- Task Flows
- Method Results
- UI Changes

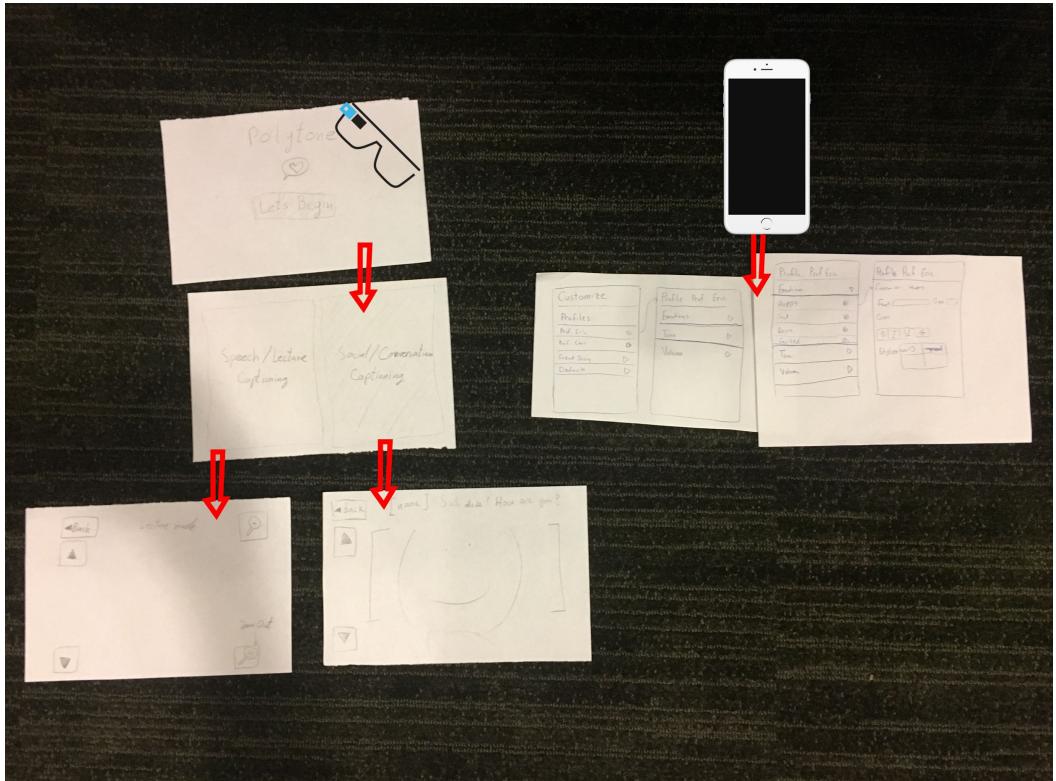
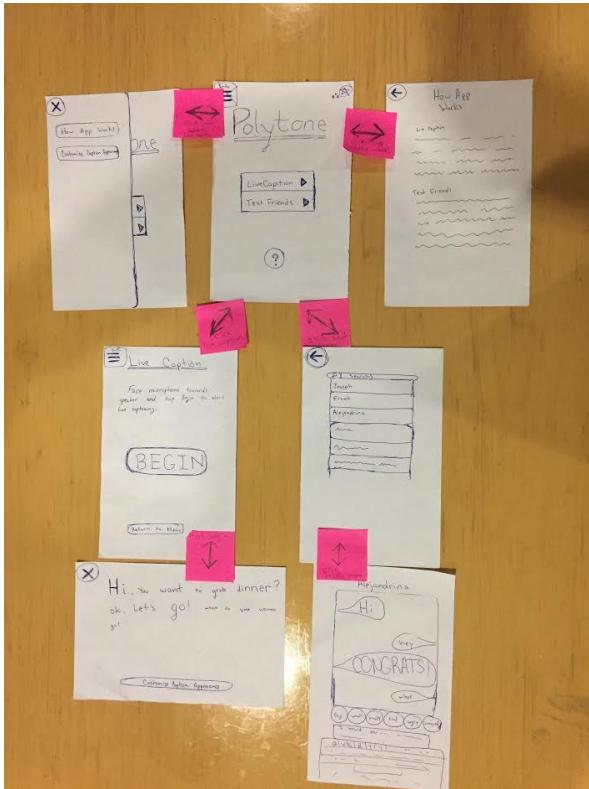


Mission Statement

“Your **voice** is more than just words”

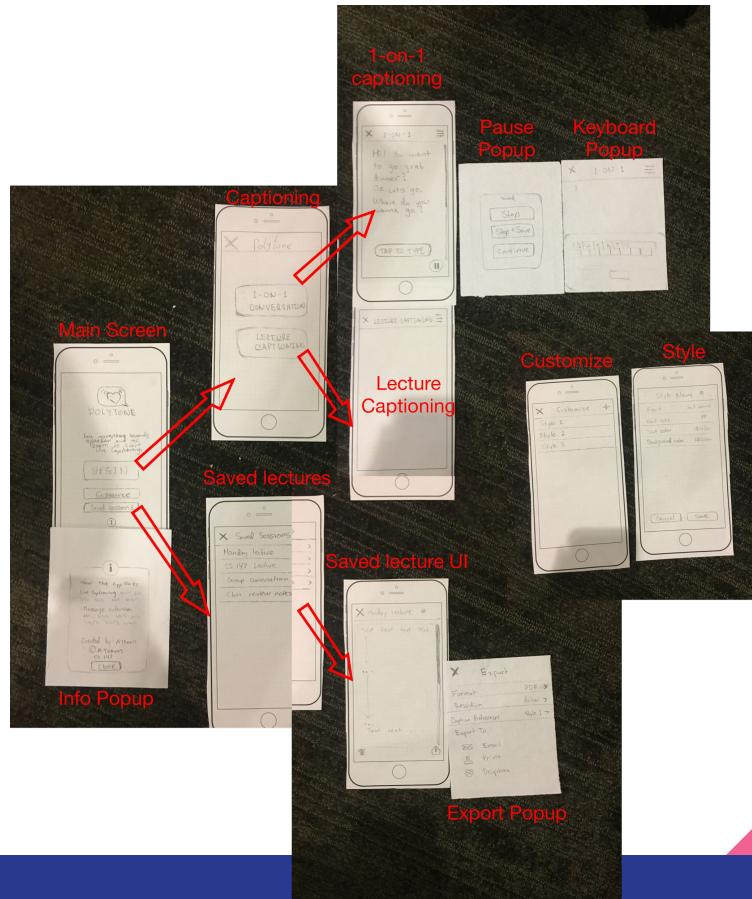


Selected Interface



	Pros	Cons
Prototype 1	<ul style="list-style-type: none">- Minimal UI- Augments Reality	<ul style="list-style-type: none">- Stands out- Not widely available- Needs complementary UI on mobile
Prototype 2	<ul style="list-style-type: none">- Accessible extension- Very easy to learn and use with its familiar mobile UI- More subtle as an assistive technology in class	<ul style="list-style-type: none">- Doesn't greatly utilize augmented reality- Complicated integration of different forms of verbal communication all in one form of text.

Prototype



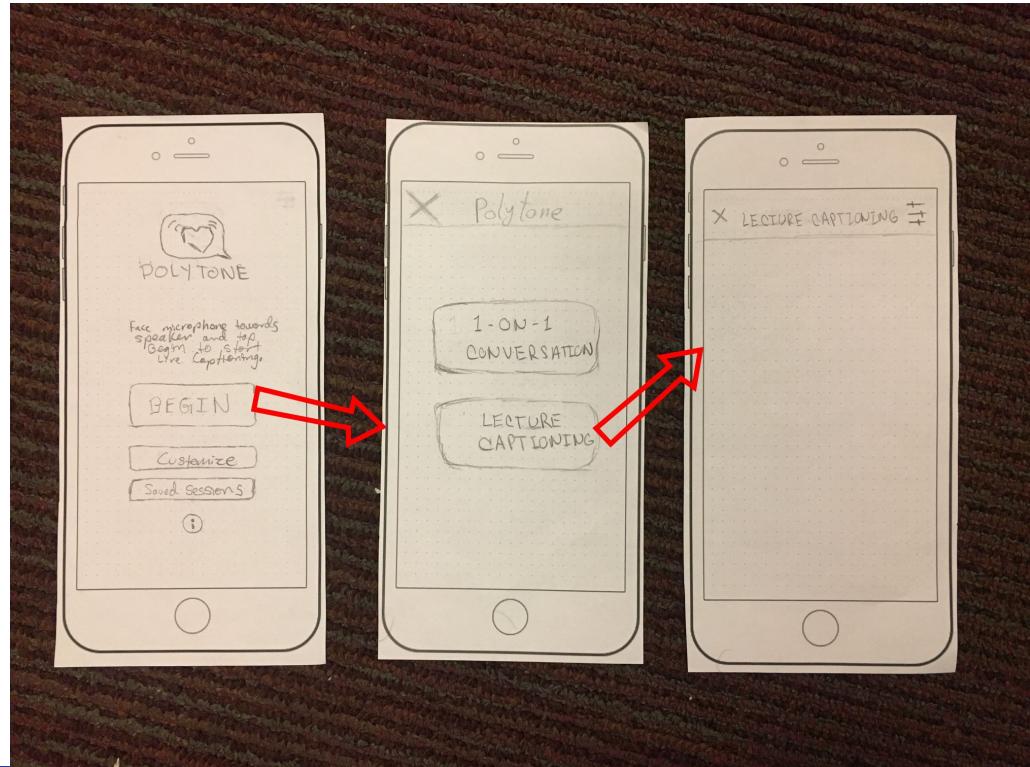
Task Flows



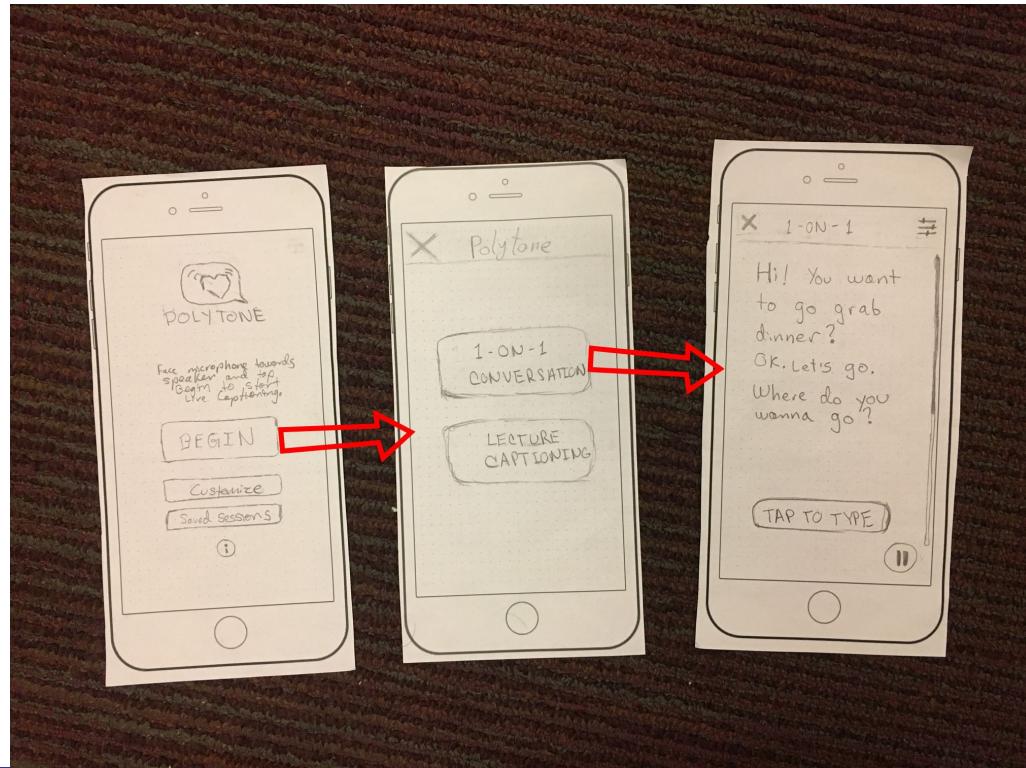
Tasks

- As a deaf student, I want to be able to visually understand tone, style, and volume of a lecture - simple.
- I want to communicate with deaf people in 1-on-1 chats without the need to learn sign language - medium.
- I want text to reflect my emotion and deliver it to other people so that they don't necessarily need sound - complex.
- ~~As a teacher, I want to be able to easily add emotional meta-data that can be displayed visually to my verbal communication - complex.~~

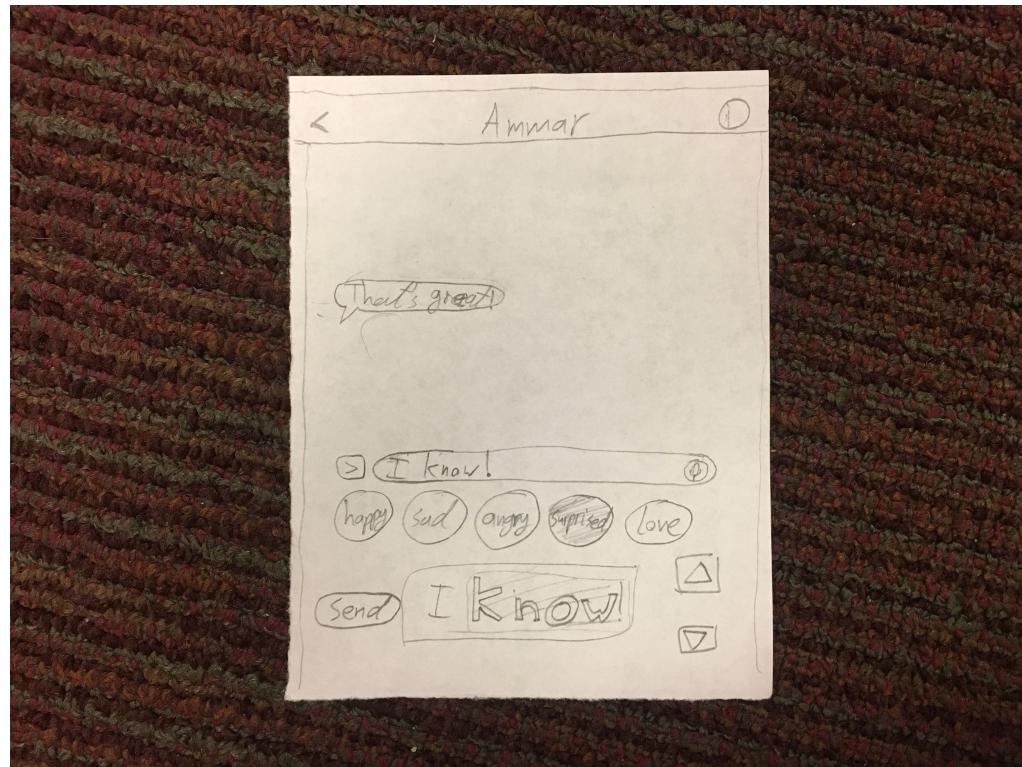
Task #1: As a deaf student, I want to be able to visually understand tone, style, and volume of a lecture - simple



Task #2: I want to communicate with deaf people in 1-on-1 chats without the need to learn sign language - medium.



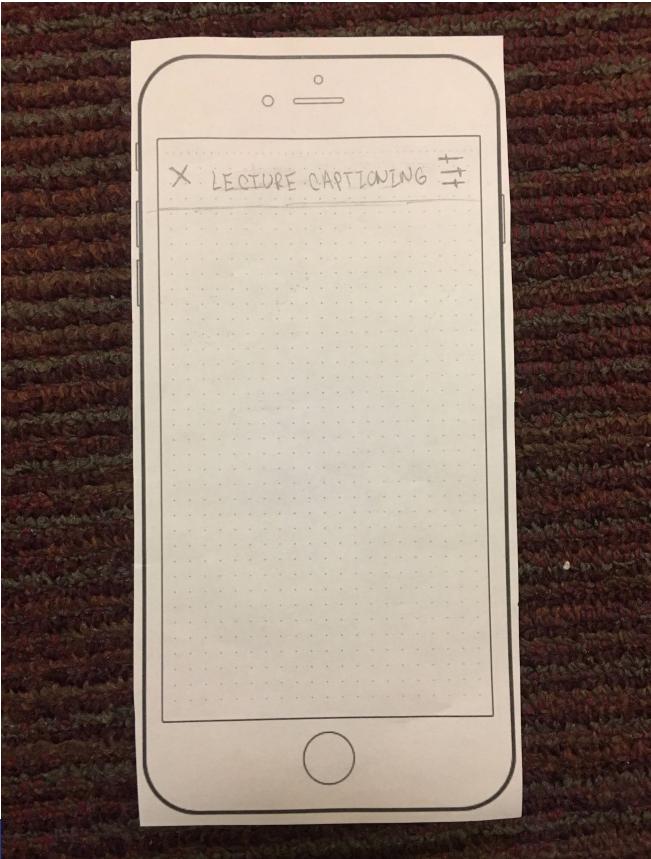
Task #3: I want text to reflect my emotion and deliver it to other people so that they don't necessarily need sound - complex.



Experimental Method

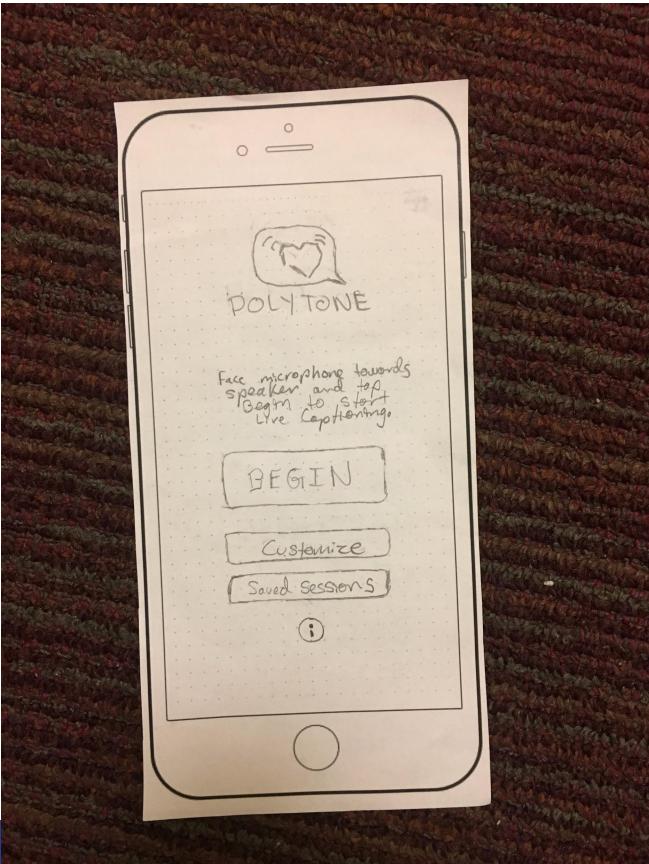
- a. Participants
- b. Environment
- c. Tasks
- d. Procedure
- e. Test Measures

Experimental Results



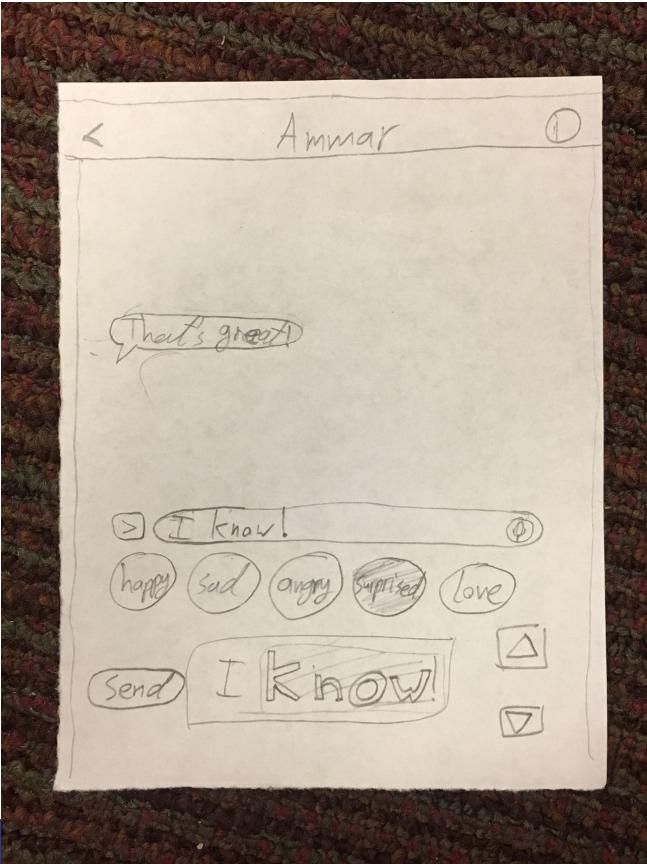
Needed to pause transcribing lectures without
exiting

Experimental Results



Liked the cleanliness, clearness and the easy navigation

Experimental Results



Likes the shortcuts that the extension provides

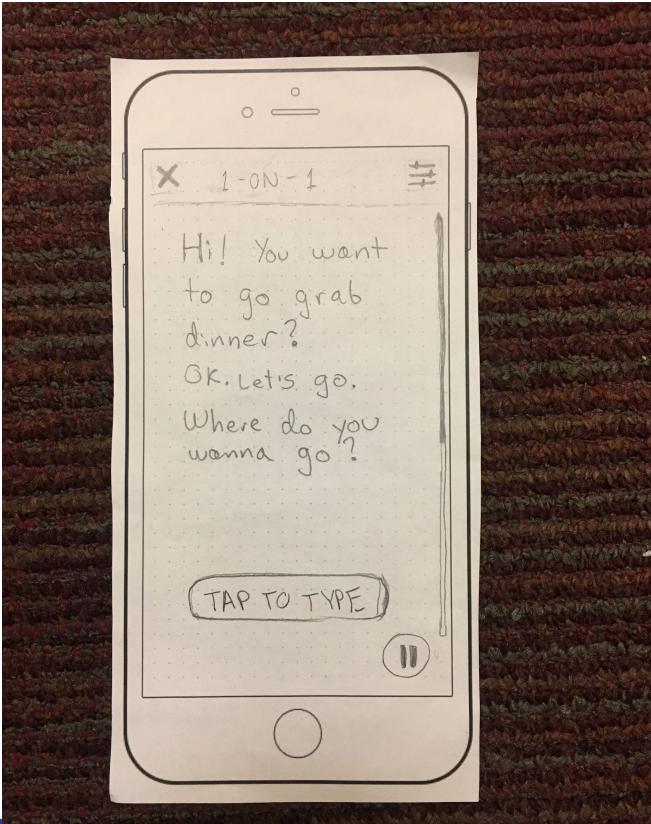
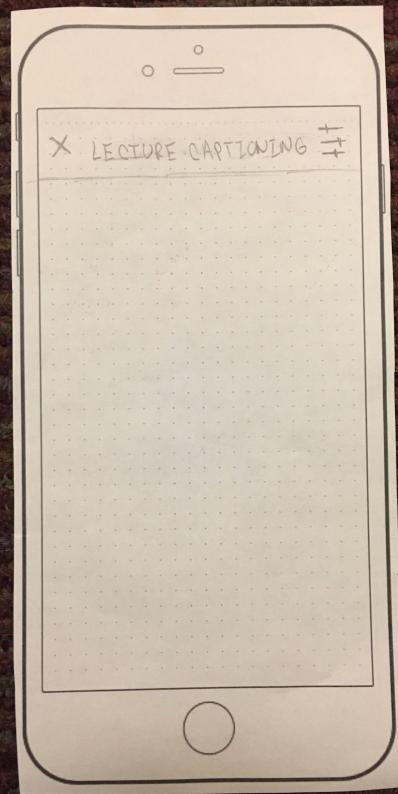
Experimental Results



Was concerned about mistakenly hitting the exit button, and deleting everything.

Preferred text populating and scrolling instead of swapping text

Experimental Results



Not sure if the
division is necessary

Experimental Results



Was confused with the fact that you have to navigate all the way back to share a lecture rather than sharing it directly here

Experimental Results

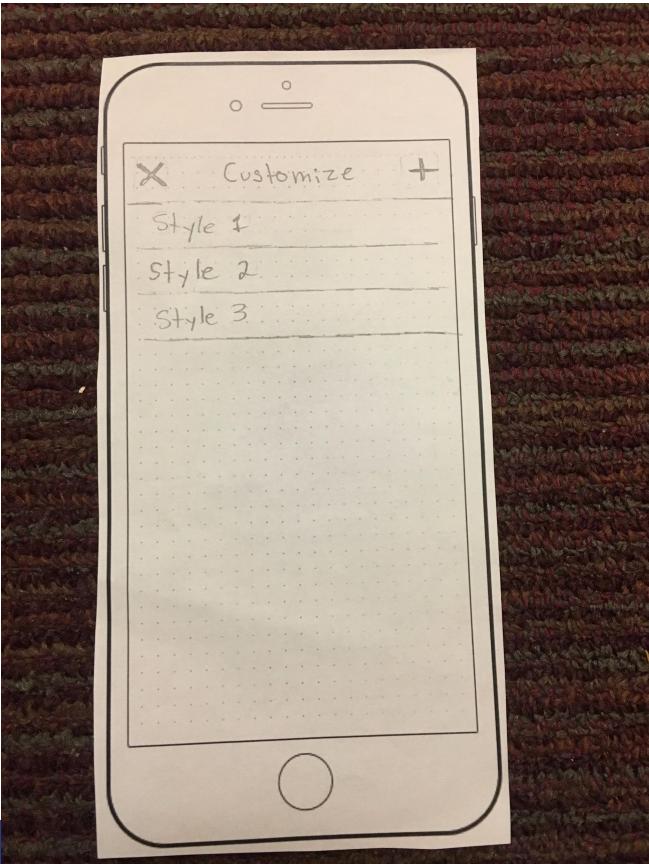
Expressed concerns with how accurate current speech recognition software would be in correctly and accurately recognizing what is said.

UI Changes



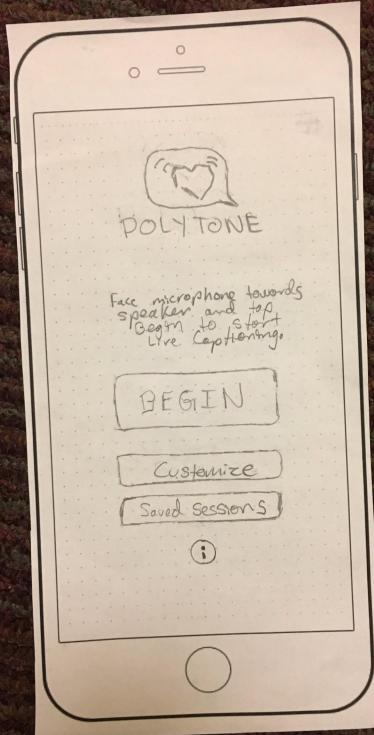
- Add a pause button to lecture captioning
- Add a share button to lecture captioning
- Add a pop-up before exiting

UI Changes



Enabling deleting saved styles simply by sliding

UI Changes



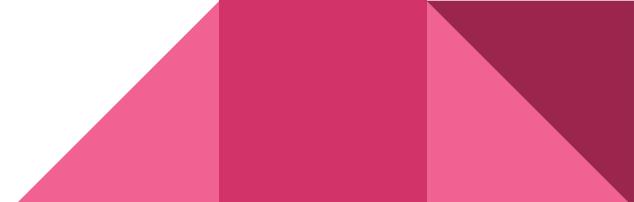
Asking the user to set up his default style right after tutorial instead of having the same default for the every user

UI Changes



The ability to scroll back through text that has been already transcribed

Summary

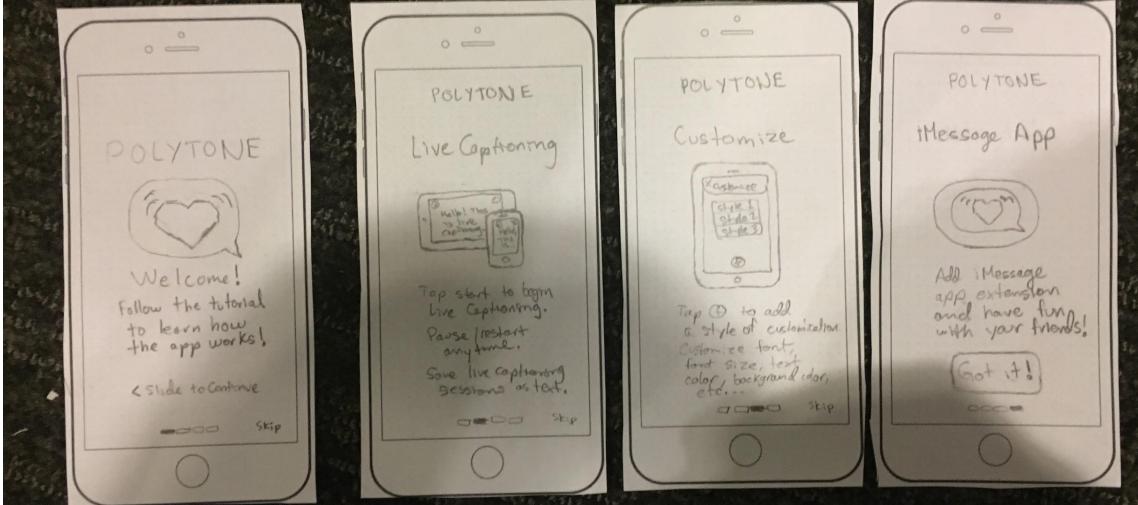


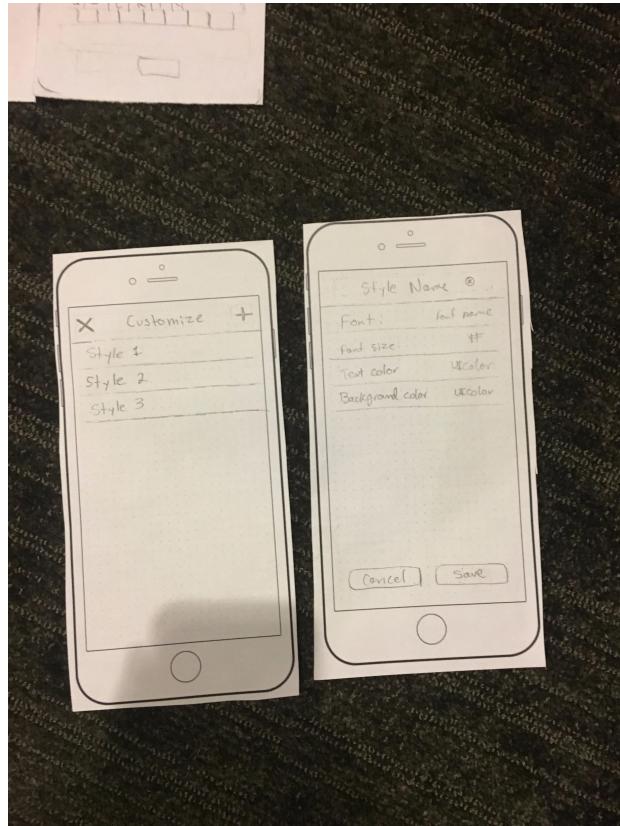
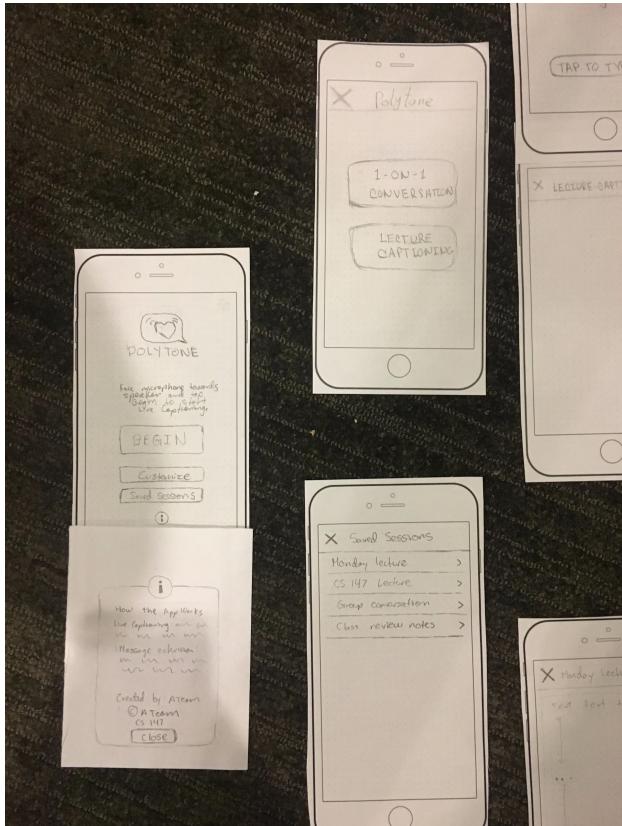


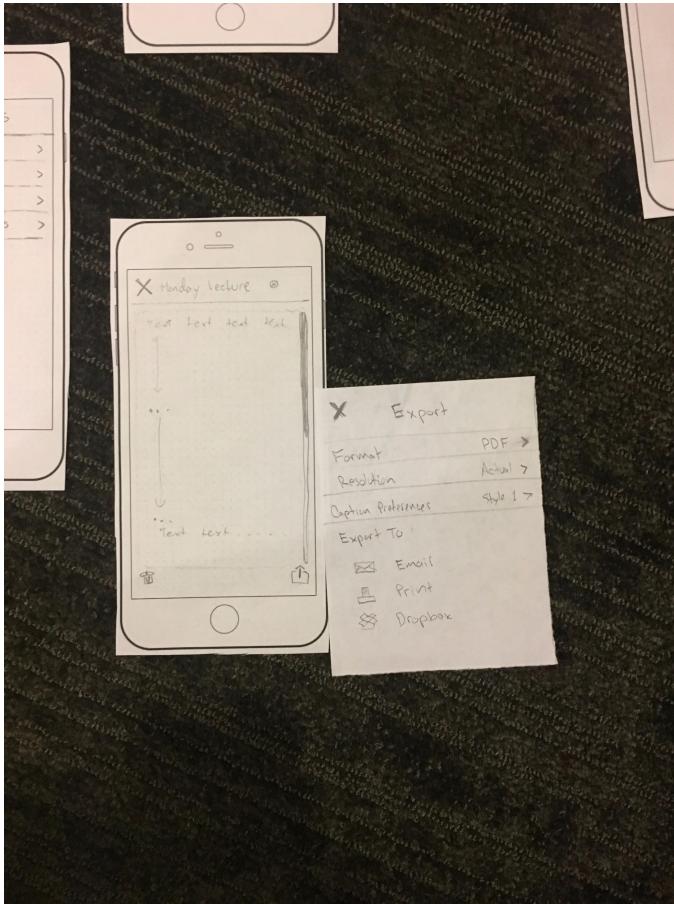
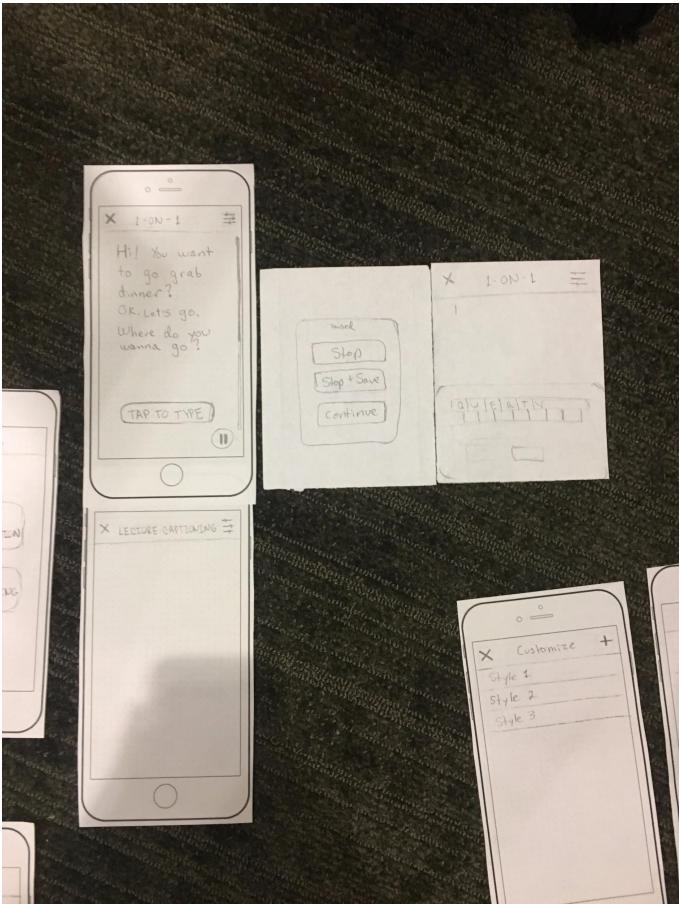
Thank you

Deleted Slides

Tutorial







Workflow

