







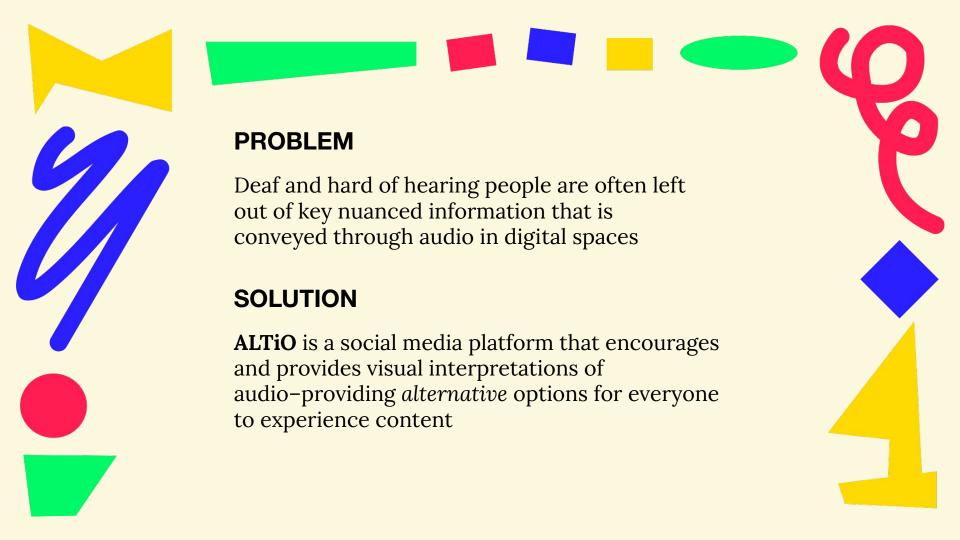
HANNAH KIM



JARED POBLETE



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Outline

Interface Changes

Testing Methodology

Results

Discussion

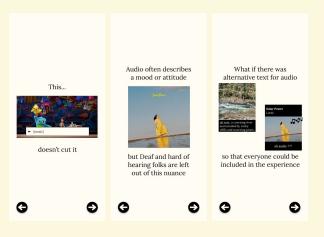




Prototype Changes

MAJOR CHANGE 1 - Onboarding

Old design:



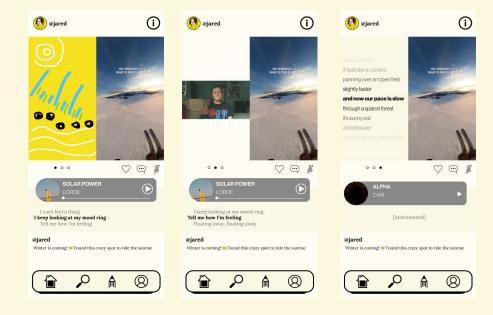


MAJOR CHANGE 2 - Home Screen

Old design:





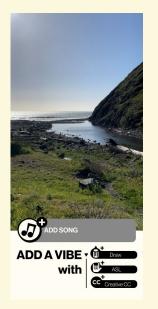


MAJOR CHANGE 3 - "Create" Flow

Old design:



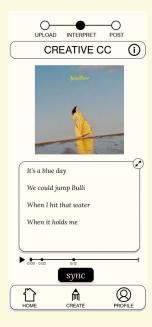




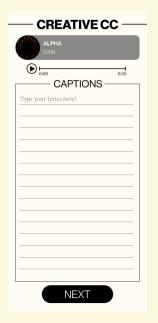


MAJOR CHANGE 4 - Creative CC Flow

Old design:









MAJOR CHANGE 5 - Search View

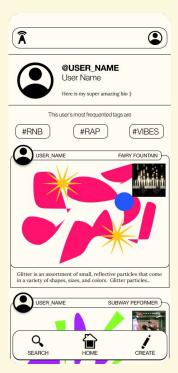
Old design:

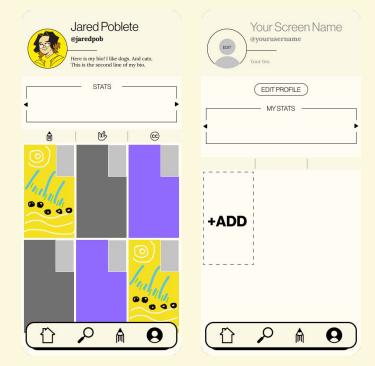




MAJOR CHANGE 6 - Profile View

Old design:





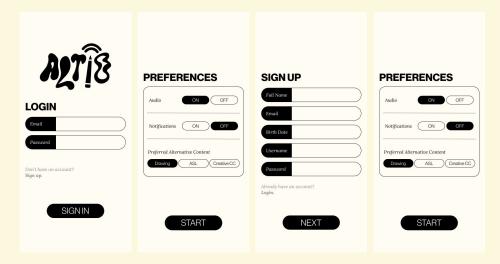
MAJOR CHANGE 7 - Create Account

Old design:











Testing Methodology

Participants



PARTICIPANT 006

Current Stanford Junior

Hearing

Product Design



PARTICIPANT 007

Working woman in her 50s

Deaf



PARTICIPANT 008

Current Stanford Junior

Hearing

Science and Technology in Society

Participants Cont.



PARTICIPANT 009

Recent College Graduate

Hearing

Medical Lab Sciences



PARTICIPANT 010

Current Stanford Freshman

Hearing

Symbolic Systems

Apparatus

INTERVIEWS CONDUCTED



APP ACCESS



SCREEN RECORDINGS



Procedure

- 1. We instructed participants to download Expo Go on their device, then log in with provided credentials to access our app by scanning a QR code.
- 2. We briefly introduced our app and purpose, as well as how the testing procedure would look. At this point we began recording if possible.
- 3. We asked users to complete the first task that we introduced. After completion, we asked a few questions about their personal experience throughout the process.
- 4. We repeated this with each task, and finally concluded the interview.

Test Measures

1. ONBOARDING QUIZ SCORE

 Does the user understand the basic goals and functions of the app from the onboarding screens?

2. NOTABLE CHALLENGES

Can the user achieve the app's goals with minimal frustration?

3. NOVELTY & FUN

Do they enjoy using the app?

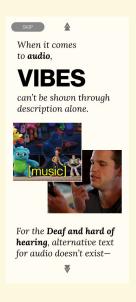
TASK 1 - Onboarding

We had the user click through and read through the onboarding flow.

GOAL: For users to be able to understand the purpose of the app and what an "ALTiO" is.

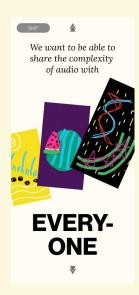












TASK 2 - View Content

We had the user navigate to an "ALTiO" interpretation for a post and view its annotations.

GOAL: A user can successfully navigate to an interpretation relatively easily, and that it is an enjoyable process.





TASK 3 - Post ALTIO

We had the user create a post with an ALTiO interpretation.

GOAL: A user can successfully create a post with ease and enjoyment.











TASK 4 - Engage with Community

We had the user navigate to find more interpretations of Funky audio.

GOAL: A user can find other interpretations of audio with ease, and the user is curious about other areas of the app.









Results

Onboarding Quiz Score

- 1. Based on what you saw in the onboarding, what can you do in this app?
- 2. What is the purpose of this app?
- 3. What is an altio?

PARTICIPANT 006	2/3
PARTICIPANT 007	2/3
PARTICIPANT 008	3/3
PARTICIPANT 009	3/3
PARTICIPANT 010	2/3

Every incorrectly answered question was for number 3. In our new onboarding, we don't have an explicit screen that defines altio, but we do it more subtly seen here:



Notable Ch	nallenges
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Noting incidents where users explicitly stated confusion, dissatisfaction, or questions regarding the apps high level functionality (not a simple coding bug)

Examples:

- "Creative CC is not user friendly to change what I want."
- "If I'm using it in class and the song reloads for each I would be concerned"
- "I really don't understand the app, I don't know what it's doing. I don't understand the two pictures next to each other, no signing or anything"
- "I clicked on explanations and saw them, but don't understand what they have to do with hamster or rabbit (don't see how they are related)"

PARTICIPANT 006

PARTICIPANT 007

8

8

PARTICIPANT 008

PARTICIPANT 009

PARTICIPANT 010

5

Instances of Visible Enjoyment

PARTICIPANT 006

- "I like [the topics for you] aesthetic"
- "It's like a super artsy tiktok"

PARTICIPANT 007

- "[The process is]
 challenging, but [the
 interpretation] is cool
 and allows me to
 explain what i just
 posted. I do like that,
 it's nice"
- "You could do this with teaching sign"
- Overall really excited about the capabilities of this app

PARTICIPANT 008

 Notes that she gets scared when she draws, so the info. pop-up was helpful for confidence

Instances of Visible Enjoyment Cont.

PARTICIPANT 009

- "I like the color because it's not out and popping out at you, not white. Font is really nice too"
- "This is actually a very important thing, especially since I know ASL and it's hard communicating This is so cool, I like it."
- "Cool because it's not something you usually experience in a song, but this gives you an idea of it"

PARTICIPANT 010

 "Oh, no uploads for Solar Power. I'll add an upload for it."



Critical Incidents

Scale from 0-4, 0 being least severe

PARTICIPANT 006

Believed play button on audio card is for pausing and beginning song	3
Couldn't determine if hashtags were clickable or not	2
Profile unavailable	3
Was confused about posting videos due to lack of context from onboarding	4
Couldn't toggle between interpretations on home screen	4
Still was unsure on what creative CC was	4

PARTICIPANT 007

Misinterpreted features of app after onboarding	4
Incorrect "altio" definition	2
"I don't know who is talking and what it's related to	4
Initially didn't understand the interpretations next to content on home feed	4
Assumed lyrics were attached to a song but didn't understand their connection to interpretation	3

PARTICIPANT 008

Was distracted during drawing by bugged audio	4
Pressed 'x' instead of return during annotating	3
Couldn't view post behind keyboard	3
Couldn't access info button during task 2	3
Annotations on home feed not implemented	4
Didn't know where the top of the home feed posts was	2

Critical Incidents

Scale from 0-4, 0 being least severe

PARTICIPANT 009

Tapped annotation on side and it ran off	2
Audio bugged and not playing on home feed	4
Thought "Done" meant post was over	1
Wasn't able to exit to Home without posting	4
Video and Drawing in Search were not clickable	4
Type ran below keyboard	3

PARTICIPANT 010

Did not double tap the right button for annotations	3
Didn't have volume on during ASL interpreting	4
Tried to drag annotations to move	2
Made it to onboarding without choosing a interpretation preference	3
"Coming from instagram [there's] a lot of extra steps, but then again if I'm using this app I would be using it to make accessible content"	4

TOTAL

Severity	Number of Incidents
0	
1	1
2	5
3	7
4	13



Discussion

Despite being more concise, onboarding didn't prepare users for the app's content



Potential solutions:

- Have preview screens of what creating a post will look like so people learn
- Clarify interpreting videos vs. audio; It's important that users know what kinds of content they can post on this app

The home screen was overwhelming to most users in terms of clickable objects



MAKE ONBOARDING MORE DIRECTED

Potential solution:

 Create interactive tasks for tutorial content

Most users didn't understand the concept of "preferred alternative content" in sign-up



EXPLAIN INTERPRETING BY REORDERING SETTINGS

Have the onboarding sequence explain the types of interpretation before choosing preferences

 Short description of each kind of interpretation method







Users were put off by the pop-ups that explain app features



- Only show pop-ups to first-time users
- Make info buttons more concise (UX writing!) and standardized throughout the app

Users wanted to edit their interpretation uploads



- Once you have uploaded Draw, ASL, or Creative CC you should be able to change it
- Cancel a post
- Add back or redo buttons

Looking forward

THE ALTIO LEARNING CURVE

Learning our way toward the most concise *and* didactic onboarding sequence. We want people to know as much as possible before they even reach the home screen, but how can we do that naturally?

HOW DO WE LOWER THE BAR FOR WHAT IT MEANS TO BE CREATIVE?

008: ""I get self-conscious about my drawing..."

009: "I'm not really a good artist so I'll see what I can do..."

Is this something we want to cater to, or lean into a demographic?

EXPLORE EXPANDING DRAW FEATURES

Fill, stickers, color wheel, scrolling indication

- Drawing upload?







Directives

INTERACTIVE ONBOARDING

- MAKING HOME FEED AS APPROACHABLE AS POSSIBLE
- INCLUDE "VIDEO UPLOADS" IN ONBOARDING

ADDING FLEXIBILITY IN CREATE FLOW (CANCEL, EDIT, BACK)

IMPROVING KEYBOARD FUNCTIONALITY

INTEGRATE SPOTIFY

MATCHING HIGH-FI AND FIGMA SCREENS

- UPDATED ASSETS (EXPLAIN BUBBLES, TEXT STYLES, PLAY BUTTONS)
- CLEAN STYLING



Thank you!

