ALTIO

REIMAGINING AUDIO FOR EVERYONE

OVERVIEW

- **Our Mission**
- **Interface Selection**
- **Low-Fi Prototype**
- **Experimental Methods**
- **Key Results**
- **Suggested UI Changes**
- **Summary**

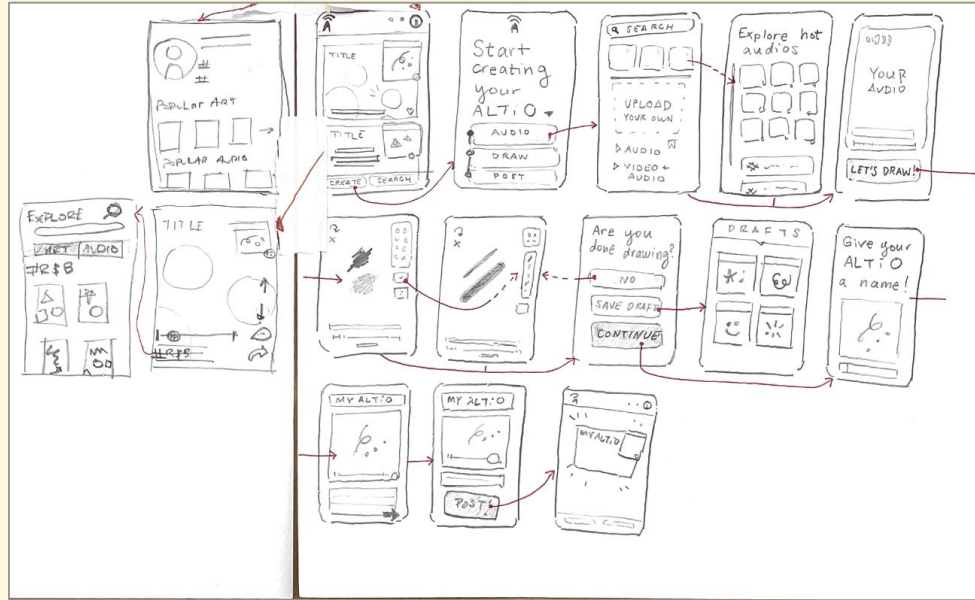# ABOUT ALTiO

THE DEAF COMMUNITY
Domain

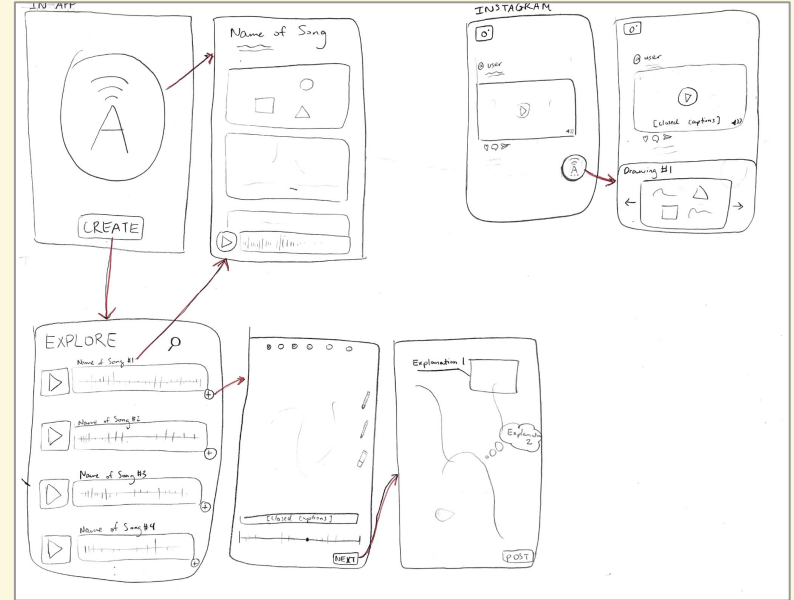### Reimagining audio for *everyone.*

VALUE PROPOSITION:

Our goal is to make digital audio more accessible to the deaf and hard of hearing communities.

SELECTED INTERFACES

Interface A - Native Social Media App

- Social media platform with ALTiO
- Requires ALTiO interpretations be posted as a supplement to all content with audio

Interface B - Audio Recognition / Plug-In

- Audio recognition
- Visual interpretations for recognized audio
- Volunteers interpret songs

SELECTION RATIONALE

	Interface A - Native Social Media App	Interface B - Audio Recognition / Plug-In
Pros	- Easy to customize drawing to video's audio - Full control of content types - Every video will have a drawing	- Versatile for all apps - Listen to music in your place - Drawing interpretations is buy in activity (only on what you want) - Focus on the music (audio) itself
Cons	- Only for users on the app - Takes long to post content (interpret on top of post) - may discourage people from posting	- Maybe less People will draw - May be difficult to implement - Artists pick which audio to interpret for - not all content will have interpretations

Reasoning for selection:

Since the mission of ALTiO is to make digital audio more accessible to the deaf and hard of hearing community, we want to make sure that all content on this platform is deaf/hard of hearing-friendly.

LOW-FI PROTOTYPE STRUCTURE
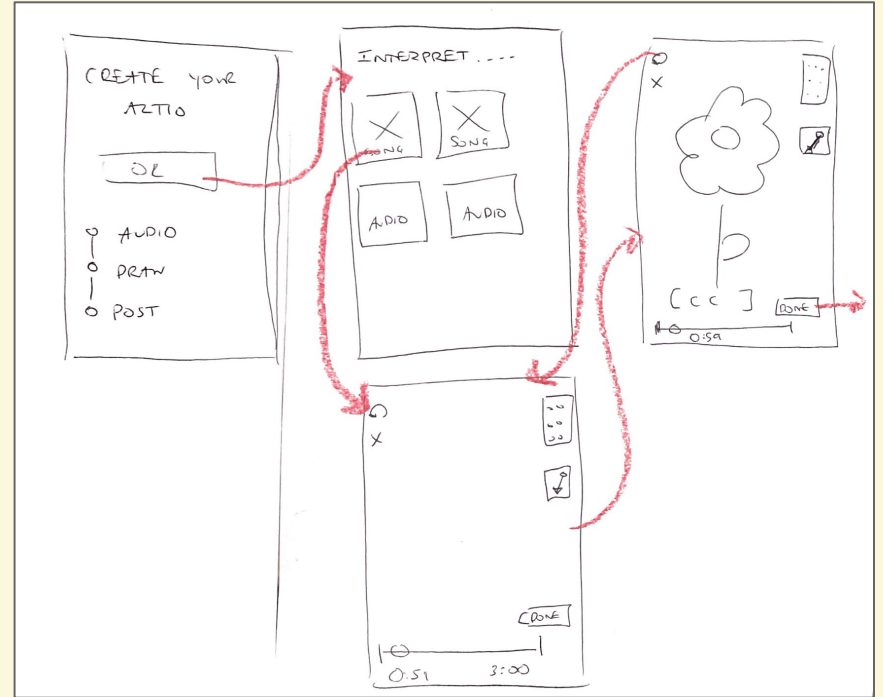

Built with sketches and Marvel App

SIMPLE TASK:
Interpret audio

Explanation:

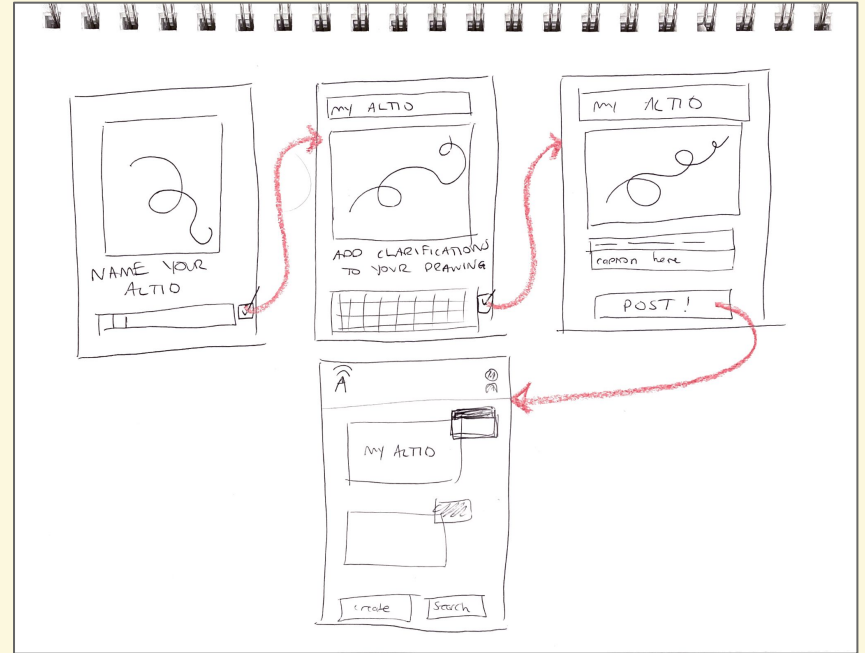The user follows the prompts to create a post and add a drawing.

MODERATE TASK:
Explain and clarify interpretation

Explanation:

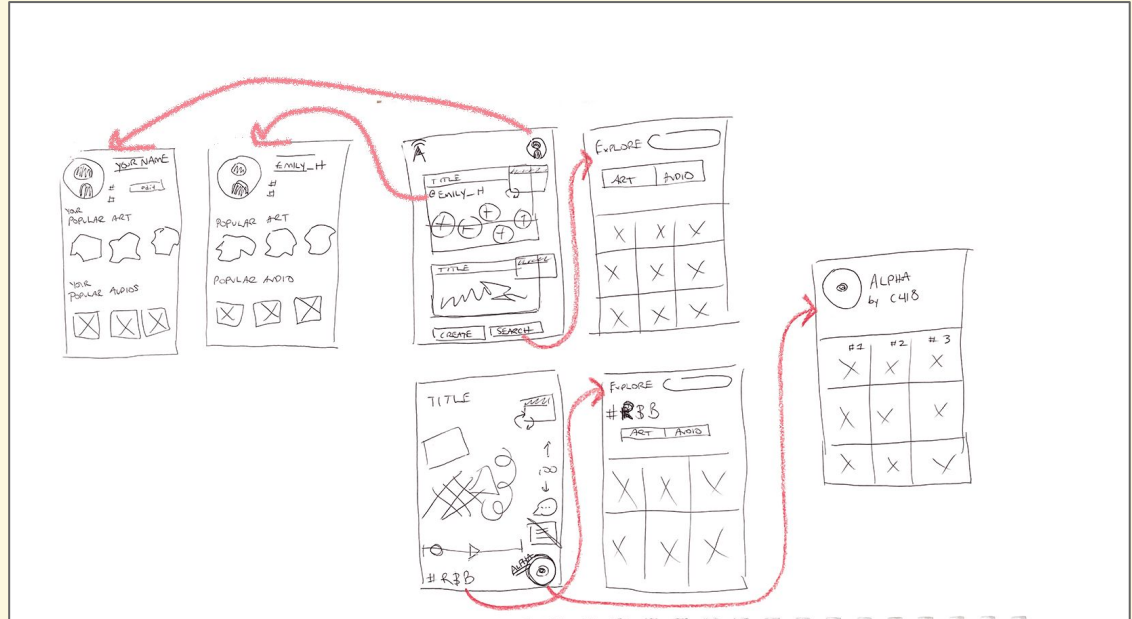The user follows the prompts to name their ALTiO and add captions/explanation.

COMPLEX TASK:
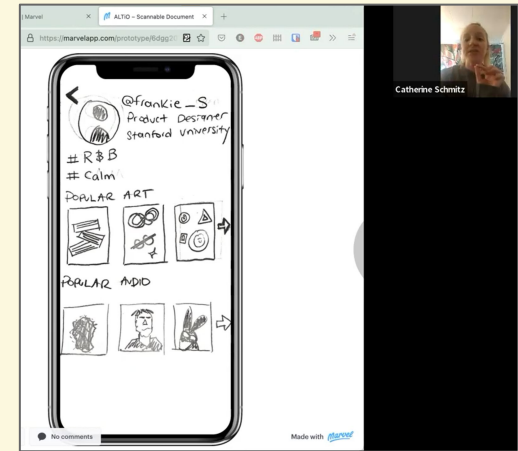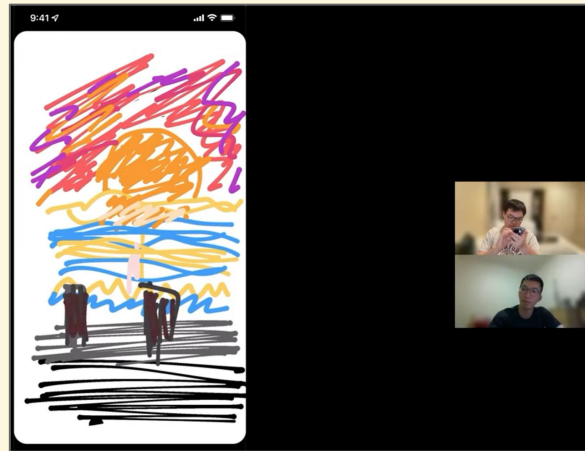## Interact with various interpretations and artists on the platform
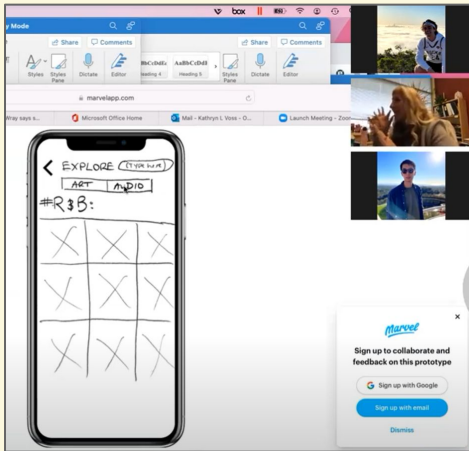
Explanation:

The user explores different contents in the app. Playing around with the profile page, hashtags, and posts in the feed.

Experimental Methods

Participants	Katie, Matthew, Catherine
Environment	Zoom calls & screen sharing (web apps and mobile apps)
Usability Goals	Discoverable, Fun
Procedure	Introduction to the app ⇒ navigate & explore on Marvel app ⇒ (draw to music) ⇒ feedback
Team Member Roles	Greeter/Facilitator: Emily/Po-Ting/Frankie; Notetaker: Po-Ting/Emily/Jared

Result 1

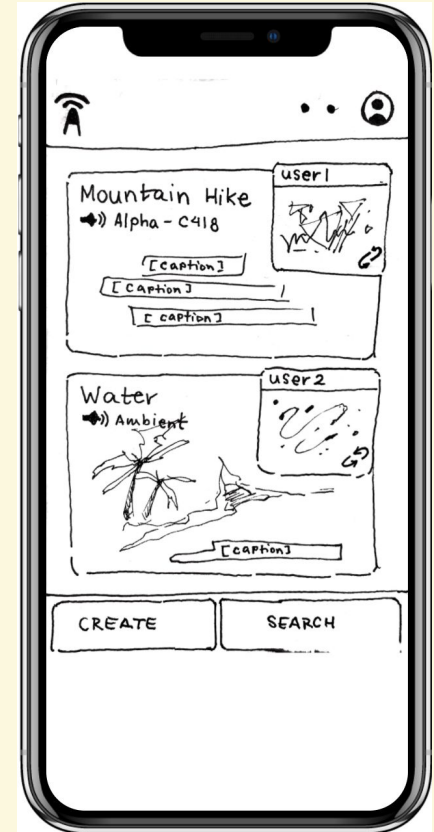**The idea of ALTiO needs clearer explanation.**

- The deaf user did not understand what the app is doing at first.
- It took ~15 minutes for the deaf user to understand the app.
- The word "audio" can make deaf people feel worried or nervous.
- Consider adding guidance explaining the app and each function.

Result 2

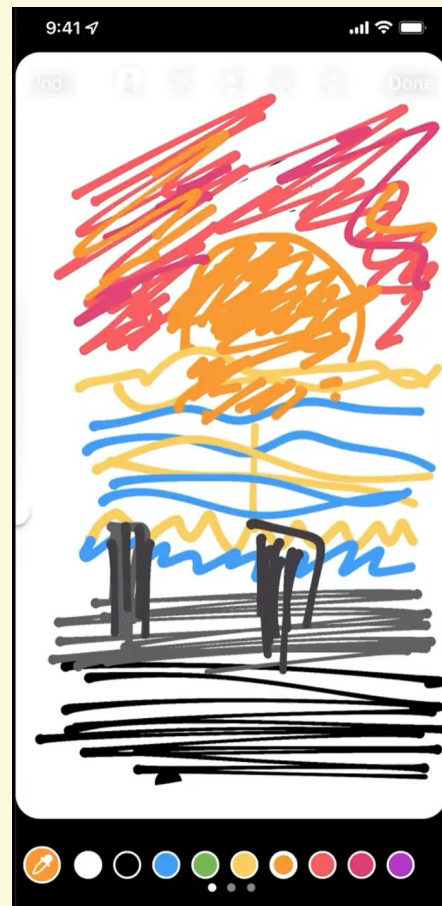**Deaf user was excited about the visual emphasis present in the app.**
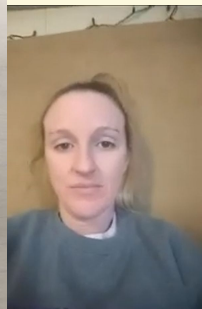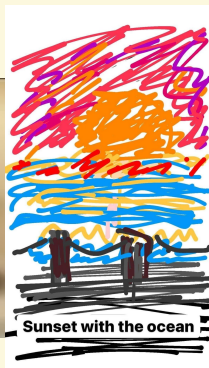
- Our target audience relies heavily on visual elements.
- Consider attractive and inclusive visual designs.

Result 3

The user was very focused when drawing. The user did not request to pause, rewind, or replay the song throughout the drawing process.
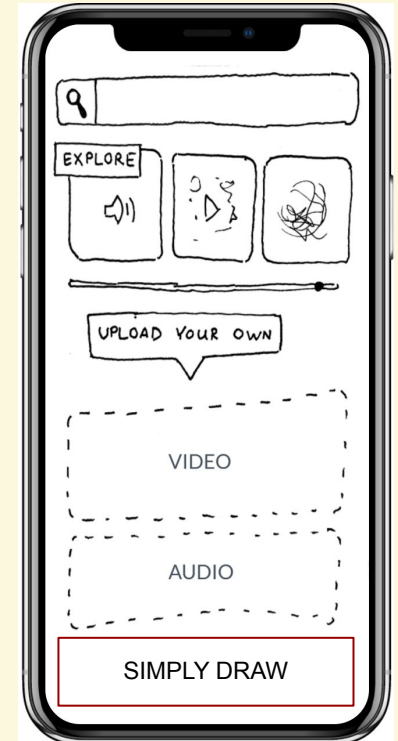
- Consider design the UI of the interpretation section to be drawing-focused.
- Perhaps make the interaction with the audio as simple as possible when the user is drawing.
- Consider making the drawing more fun with more functionalities.

Sunset with the ocean

Suggested UI Change 1

Add an option for videos to be posted without audio and instead solely with their drawing supplement.

- Provide more options, such as drawing only or photos with drawing.
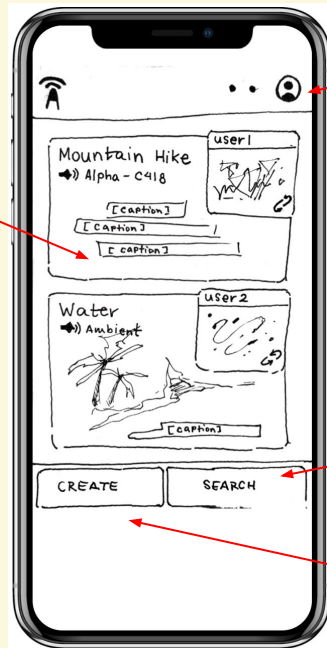- Include deaf/hard of hearing people to create contents.

Suggested UI Change 2

An introduction or explanation as to what the ALTiOs are doing for new users.
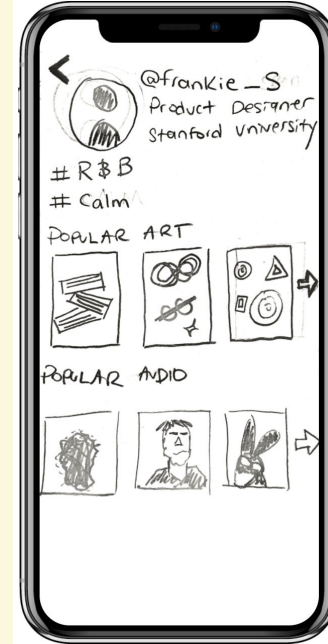

Check out your profile page here.

Captions are shown, it can be turned on/off here

This is your feed, where you can browse others' content.
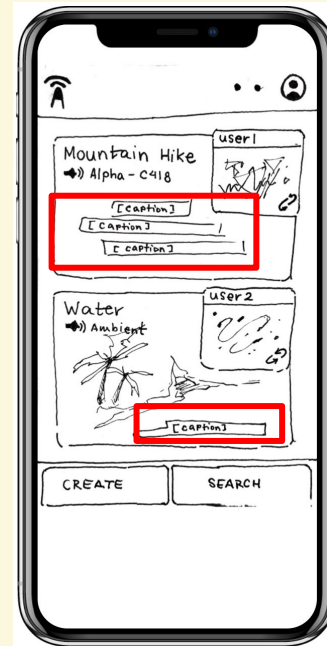
Search content here!

Create a content here!

This is your profile page.

Your posts go here.

Suggested UI Change 3

Captions design: to not obstruct the actual content of the video, but also provide sufficient captioning.
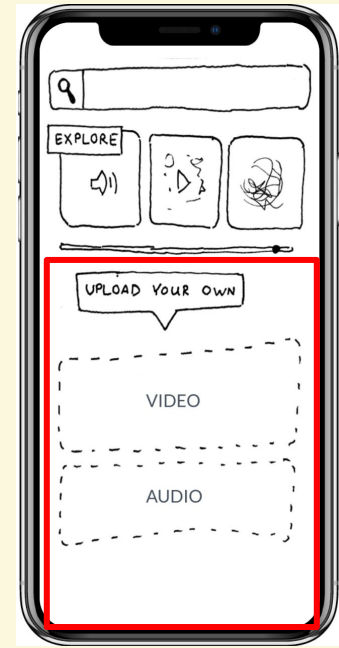
- Captions are extremely important for deaf and hard of hearing people when interacting with videos.
- Need good captions design.
- Allow custom captions styles?

Suggested UI Change 4

The user wanted to incorrectly click "draw" on the page to begin creating the interpretation.

- Consider redesigning the UI.
- Incorporate more options for creating content.

SUMMARY

The current interface is similar to other social media. We should consider adding more unique features centering the ALTiO for deaf and hard of hearing community.

Drawing your feeling about music is a cool idea. Keep in mind to include deaf people in our future design.

The UI in our low-fi prototype should be changed to provide more clarity on how ALTiO works and on how to create a content with ALTiO.