

ARTIST

Reimagining audio for everyone



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Outline

What We Do

Major Interface Changes

3 Task Flows

Future Work





PROBLEM

Deaf and hard of hearing people are often left out of key nuanced information that is conveyed through audio in digital spaces

SOLUTION

ALTiO is a social media platform that encourages and provides visual interpretations of audio—providing *alternative* options for everyone to experience content



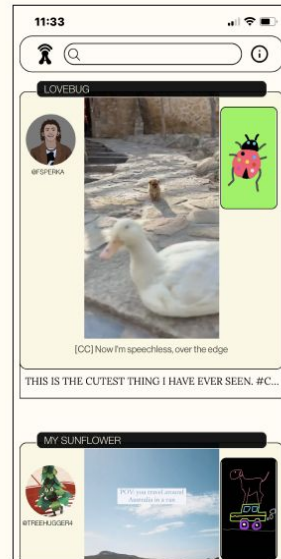
Interface Changes

Interface Changes

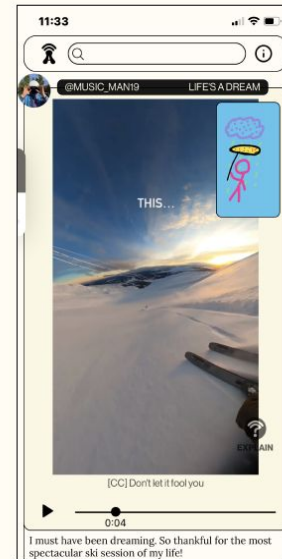
MAJOR CHANGE 1 - Onboarding

Old design:

PROBLEM: Through testing we found that information in the onboarding was not introduced intuitively. Users were often confused and had to scroll back and forth.



ALTio is a digital platform for **posting** video and/or audio content in a more inclusive way



attach **altios** to content to supplement the audio experience for Deaf and Hard of Hearing users



Interface Changes

MAJOR CHANGE 1 - Onboarding

New design:

SOLUTION: Our new onboarding flow introduces the problem we are aiming to solve and uses more fun and friendly language—with lots of pictures along the way. This hopefully captures a more engaging narrative for users to follow while learning about altio.


This...



doesn't cut it

← →


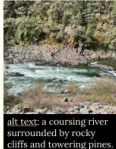
Audio often describes
a mood or attitude



but Deaf and hard of
hearing folks are left
out of this nuance

← →

What if there was
alternative text for audio



so that everyone could be
included in the experience

← →

Interface Changes

MAJOR CHANGE 2 - Account Creation

Old design:

PROBLEM: Our app originally had no way of creating an account to begin engaging with content.



non-existent

Interface Changes

MAJOR CHANGE 2 - Account Creation

New design:

SOLUTION: Introduce an account creation / login page, as well as a preferences section where users can choose their preferred audio and interpretation preferences. This was done to allow users to actually engage with content.

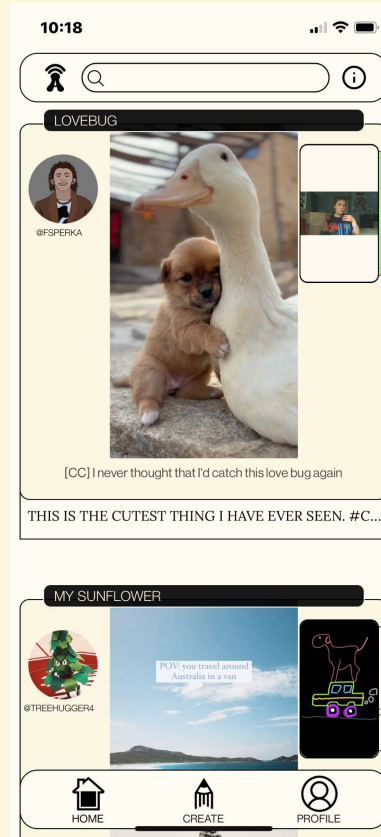


Interface Changes

MAJOR CHANGE 3 - Home Screen

Old design:

PROBLEM: Toggling between altio and content requires users to sacrifice the experience of viewing one piece of content for another. It is also unintuitive to switch back to the smaller post view for scrolling

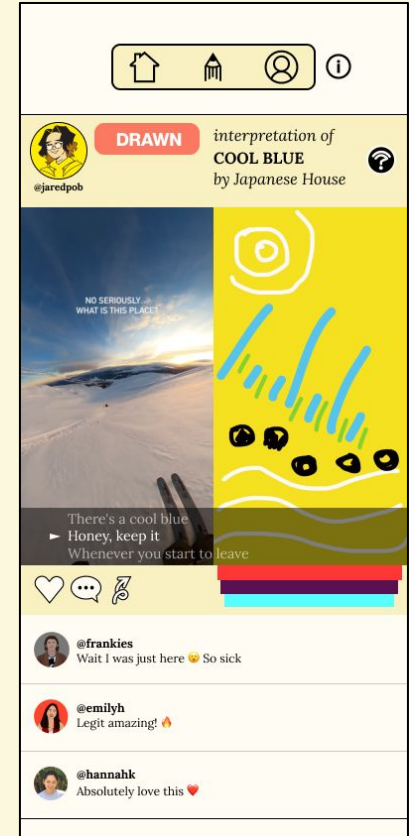
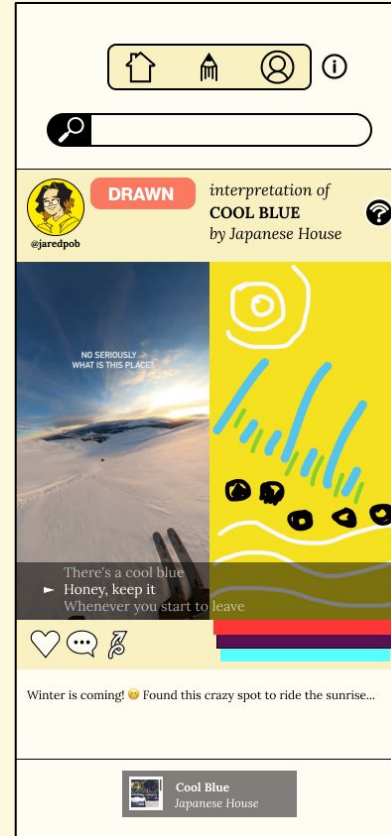


Interface Changes

MAJOR CHANGE 3 - Home Screen

New design:

SOLUTION: Removing the “switch” feature between altio and standardizing the post to just the expanded view to allow *both* to be seen simultaneously with a larger view.

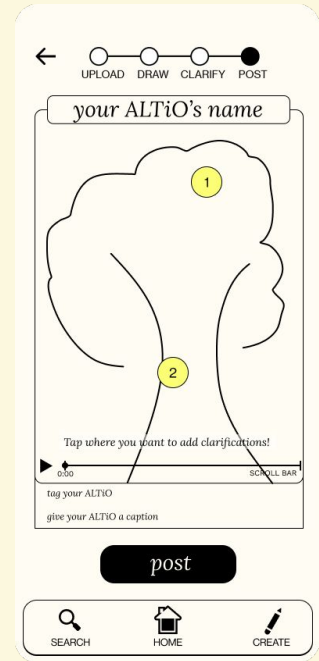
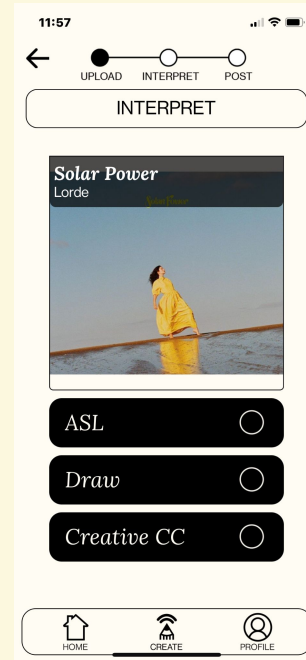


Interface Changes

MAJOR CHANGE 4 - “Create” Flow

Old design:

PROBLEM: Creation process was lengthy and linear, featuring screens that weren't always necessary to users

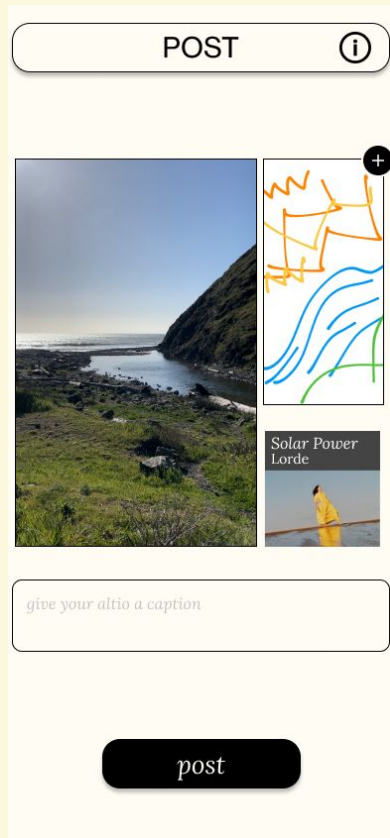
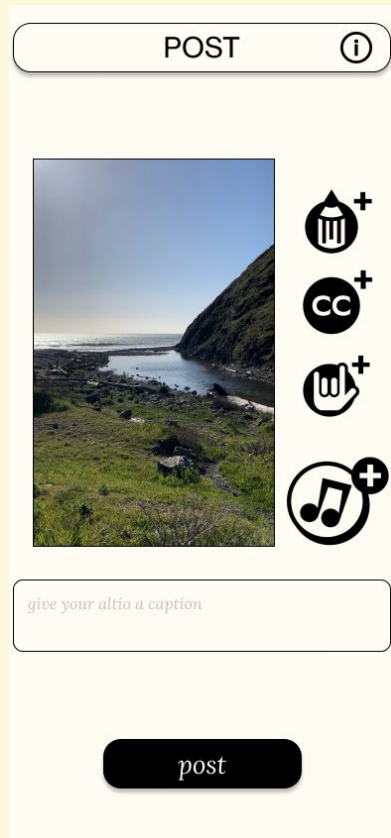


Interface Changes

MAJOR CHANGE 4 - “Create” Flow

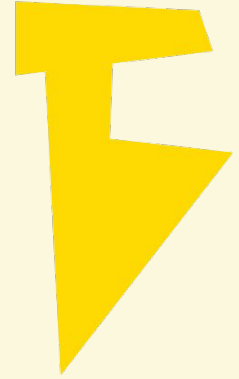
New design:

SOLUTION: Adding new options for other alternative interpretations in a way that is less linear with more options. This helps users have more freedom with their interpretations and makes the flow seem less time intensive, as users have options along the way.



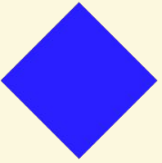
Task Flows





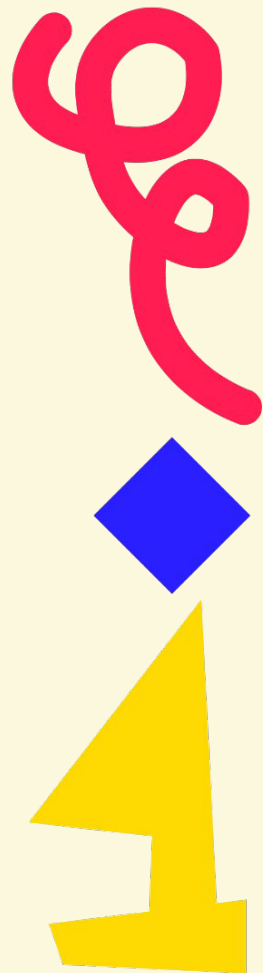
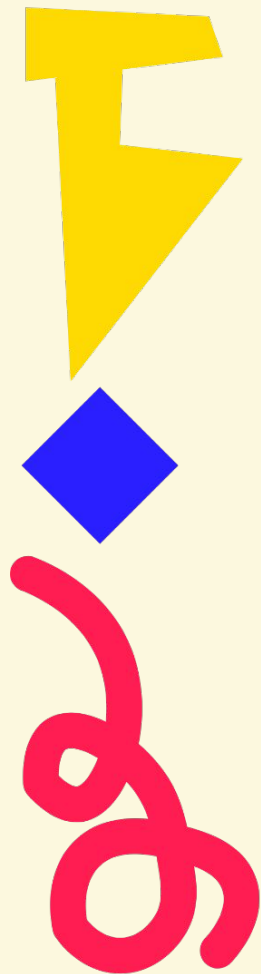
Task 1

Getting Situated



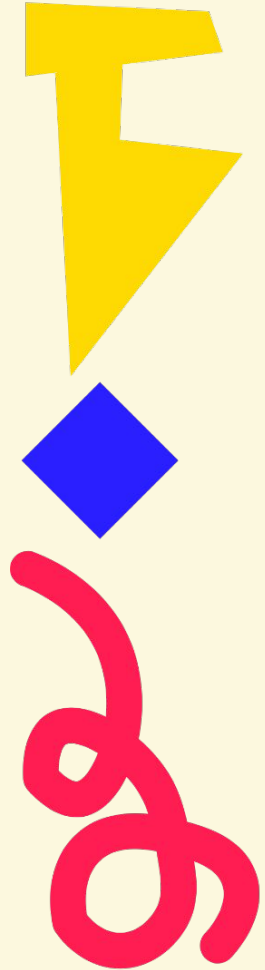
Task 2

Viewing Content



Task 3

Creating Content





Task 4

Community Engagement



Wizard of Oz



Hard Coded



STOCK ALTIOS-

We still need to include some content to populate the app when users first start using our app – until we have a strong user base, we plan to keep these in the app.

MUSIC OPTIONS-

Due to some significant UI changes in the last round of prototyping, we were unable to integrate Spotify and Apple Music compatibility. This will be done soon.

RECOMMENDATIONS-

Content that is recommended to users is currently hard-coded as we are focussed on improving other more pressing issues of the app.

LIKES, COMMENT, SHARE-

Interacting with posts is not reliant on any backend code.





Future Works

Frontend



SEARCH -

We may need to flesh out our beautiful - yet technically challenging - search screen to allow for more backend functionality before we test with users.

SPOTIFY / APPLE MUSIC INTEGRATION -

Adding music application functionality using APIs will require a new UI for users to interact with stock playlists as well as their own music.

CREATIVE CC -

Making a clean and user friendly UI for creating your own captions has proven to be challenging, working with backend in mind, we may need to change this going forward.

DEBUGGING -

Making sure that our information icons, pop-ups, and app is working as intended.



Backend



FIREBASE x POSTS -

Before testing, we will integrate firebase with our post storing process to allow posts to be seen and shared across users.

CLICKSTREAM LOGGING -

Before testing, we will also need to include clickstream logging to allow for more accurate and useful user data when testing.

DEBUGGING -

Working with our content player, etc.



thanks :)

