

A8: Midway Milestone Presentation

Emily Huang

Frankie Sperka

Po-Ting Lin

Jared Poblete



REIMAGINING AUDIO FOR EVERYONE

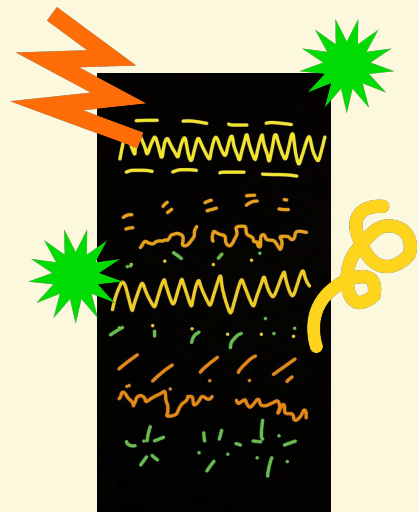


PROBLEM

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 drawings as visual supplements for interpreting audio—providing *alternative options* for everyone to experience content

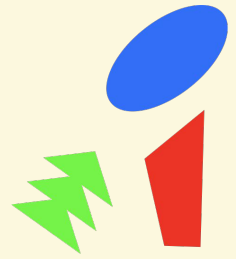


ALTiO

NOUN

a combination of **alt**ernative and **audio** that denotes a visual interpretation of audio which can convey a more emotional or descriptive meaning than captioning

OVERVIEW



HEURISTIC EVAL. RESULTS

REVISED DESIGN

HI-FI IMPLEMENTATION

HI-FI DEMO

HEURISTIC EVAL. RESULTS

In Summary

H3: User Control & Freedom

4 Violations

- Arduous uploading sequence

H4: Consistency & Standards

19 Violations

- Back or return buttons

H10: Help & Documentation

11 Violations

- Onboarding confusion

HEURISTIC EVAL. RESULTS

Severity 4 Issues

H3: User Control & Freedom

- Allowing users to select an audio and choose a video to accompany it

H5: Error Prevention

- Prompting the user to save a draft in the **Create** screen

Total: 4

H13: Value Alignment

- Specifically mentioning the Deaf and hard of hearing community

HEURISTIC EVAL. RESULTS

Severity 3 Issues

H3: User Control & Freedom

- Back and redo button affordability

H4: Consistency & Standards, H6: Recognition not Recall

- Miscommunication about **Create** task

H10: Help & Documentation

- Scrollability clarity

H11: Accessible

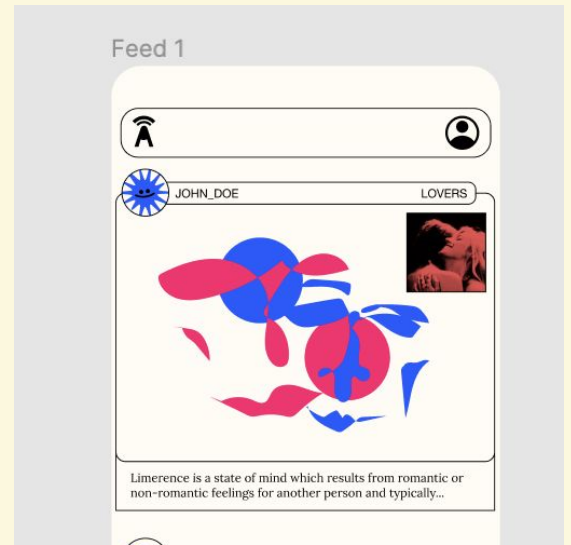
- Increase font size and weight

Total: 11

REVISED UI DESIGN

SEARCH BAR

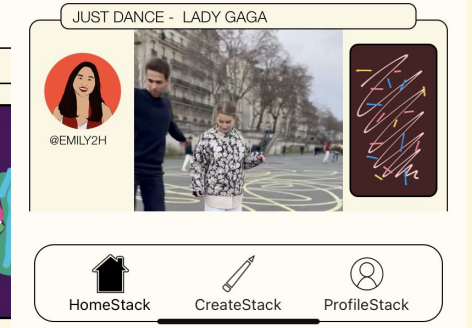
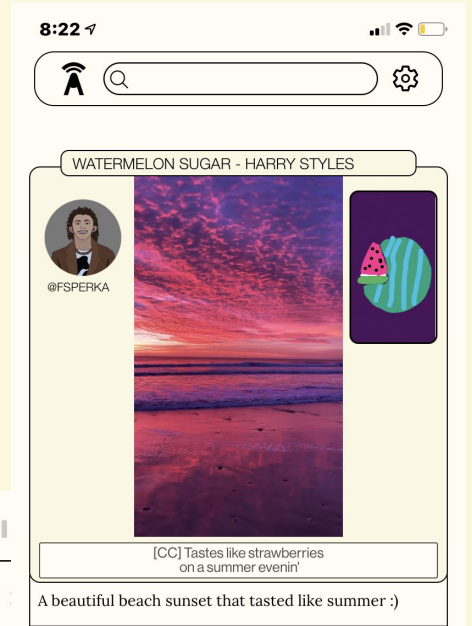
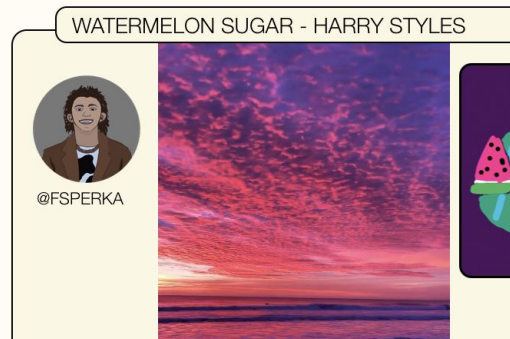
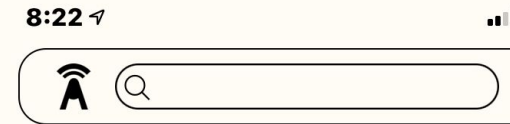
H4 Consistency and Standards: The bar on top of the home page feels like it should be a search bar, but there's nothing indicating it as such, and it's not interactable.



REVISED UI DESIGN

SEARCH BAR

Revision: Taskbar has been rearranged so that “Search” now resides at the top of the screen



REVISED UI DESIGN

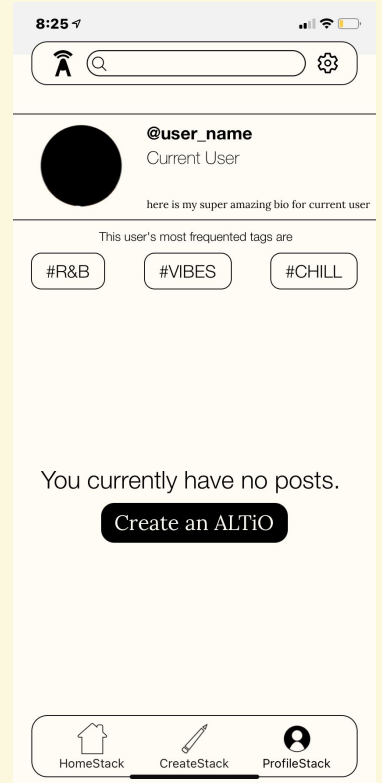
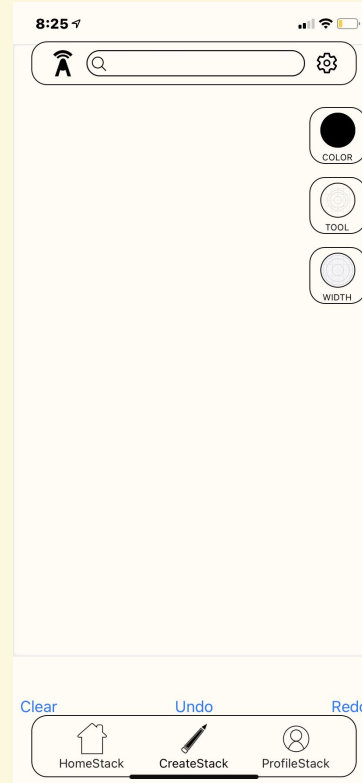
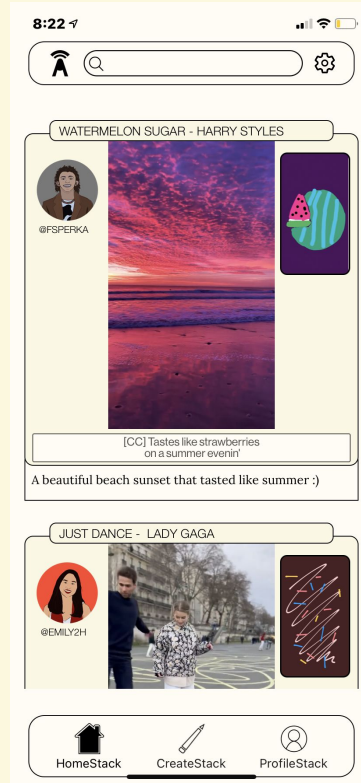
TASK BAR

H1 Visibility of System Status: Tab status: It was unclear that the first feed that we encountered (after the onboarding directions) was the home feed. As I was navigating through tabs, I wanted to get back to that screen but didn't realize that it was the home tab until trial by error. It was generally unclear visually what tab I was on.

REVISED UI DESIGN

TASK BAR

Revision: Depending on the screen you're on, the icon on the taskbar will change to inform you of your place



REVISED UI DESIGN

ONBOARDING SEQUENCE

H2 Match Between System and the Real World: The app references “your ALTiO” and prompts the user for “your ALTiO’s name” and to “give your ALTiO a caption,” but the experience never explained what an ALTiO is. Is a drawing automatically an ALTiO, or is there more to it?

H5 Error Prevention: On the onboarding screen about clarifying drawings, the user can click “continue” before tapping on the “1,” “2,” and “3” buttons that reveal drawing clarifications, and there is no indication that the buttons on the drawing are even clickable. This means the user can easily skip this onboarding screen without understanding this crucial aspect of the app.

H10 Help and Documentation: It is unclear why a video upload is necessary or encouraged if the user is creating their own visual representations of audio. Explain in the onboarding flow what the purpose of uploading video content is.

REVISED UI DESIGN

ONBOARDING SEQUENCE

Revision:

Onboarding Flow 1

REIMAGINING AUDIO FOR EVERYONE

Let's get started.

Onboarding Flow 2

JOHN DOE LORENA HOO

Experience is a state of mind which results from emotional or non-emotional feelings for another person and typically...

TRAVEL_R BIG SUN_GA

Big Sun is hands down my favorite place to be in California.

ALTIO is a digital platform for posting video and/or audio content

skip continue

Onboarding Flow 3

JOHN DOE LORENA HOO

Experience is a state of mind which results from emotional or non-emotional feelings for another person and typically...

TRAVEL_R BIG SUN_GA

Big Sun is hands down my favorite place to be in California.

Users attach ALTIOs to video and audio uploads to supplement the audio experience for Deaf and Hard of Hearing users

skip continue

Onboarding Flow 4

ALTIO

noun

a combination of **alternative** and **audio** that describes a visual interpretation of audio

skip continue

REVISED UI DESIGN

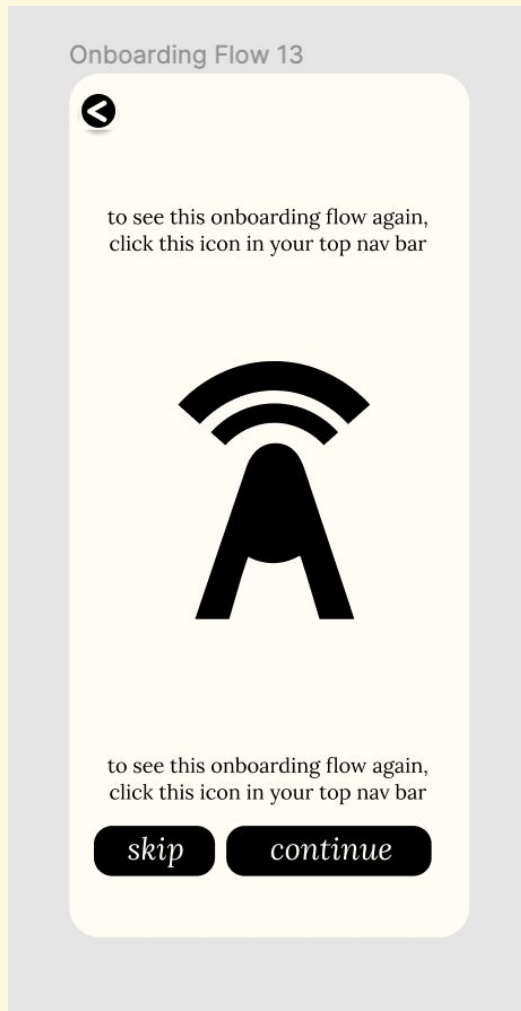
ONBOARDING ACCESS

H6 Recognition not Recall: It's not possible to access the onboarding screens after reviewing them once. This means that a user cannot review the onboarding flow after the first time. Make the onboarding flow visible and accessible from anywhere in the app.

REVISED UI DESIGN

ONBOARDING ACCESS

Revision: Added a screen during the onboarding process that alerts the user that the tutorial can be seen again



REVISED UI DESIGN

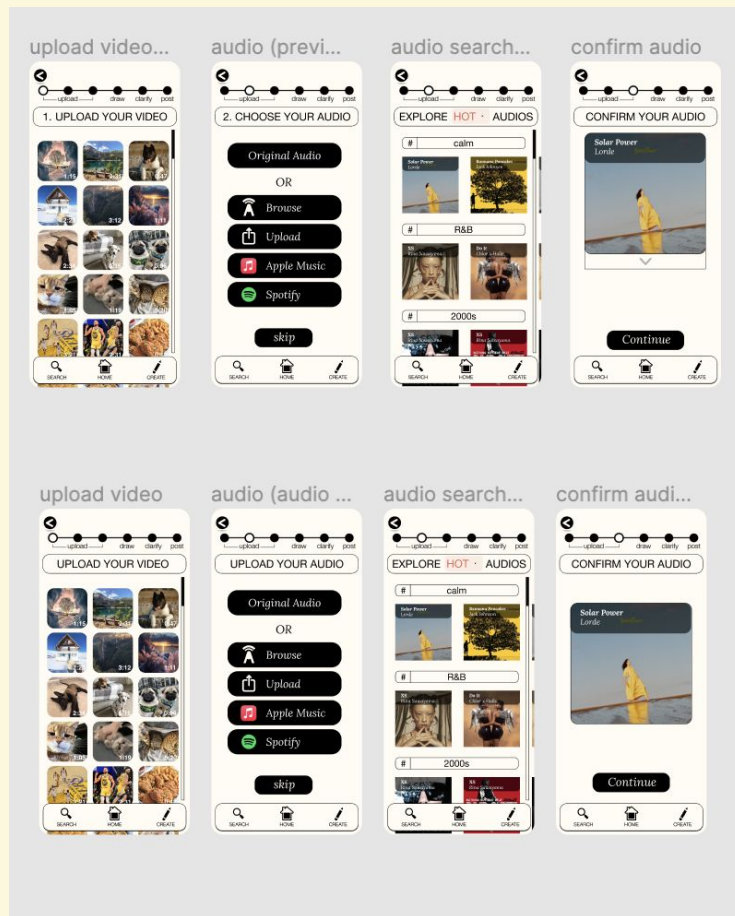
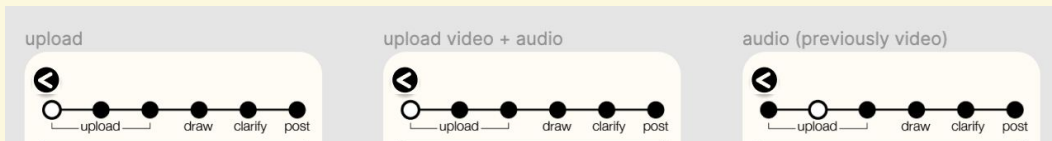
BACK BUTTON

H3 User Control and Freedom: Multiple screens are missing back buttons. For example, there is no back button on the expanded view of the post, the expanded view of the tag screen, or the onboarding screens, which makes it challenging for users to navigate through the app and return to their previous position.

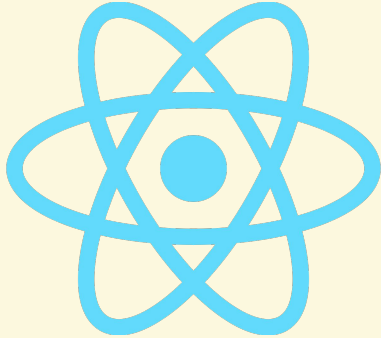
REVISED UI DESIGN

BACK BUTTON

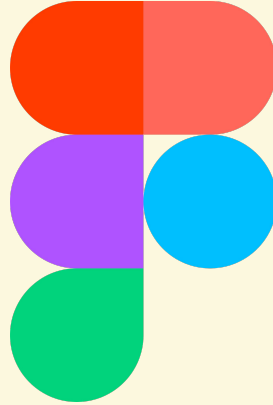
Revision: Back buttons added to screens that are sequential



HI-FI IMPLEMENTATION



React Native



Figma



Adobe Suite

HI-FI HARD CODED DATA

WIZARD OF OZ

Users

- Usernames, User Profiles & Information

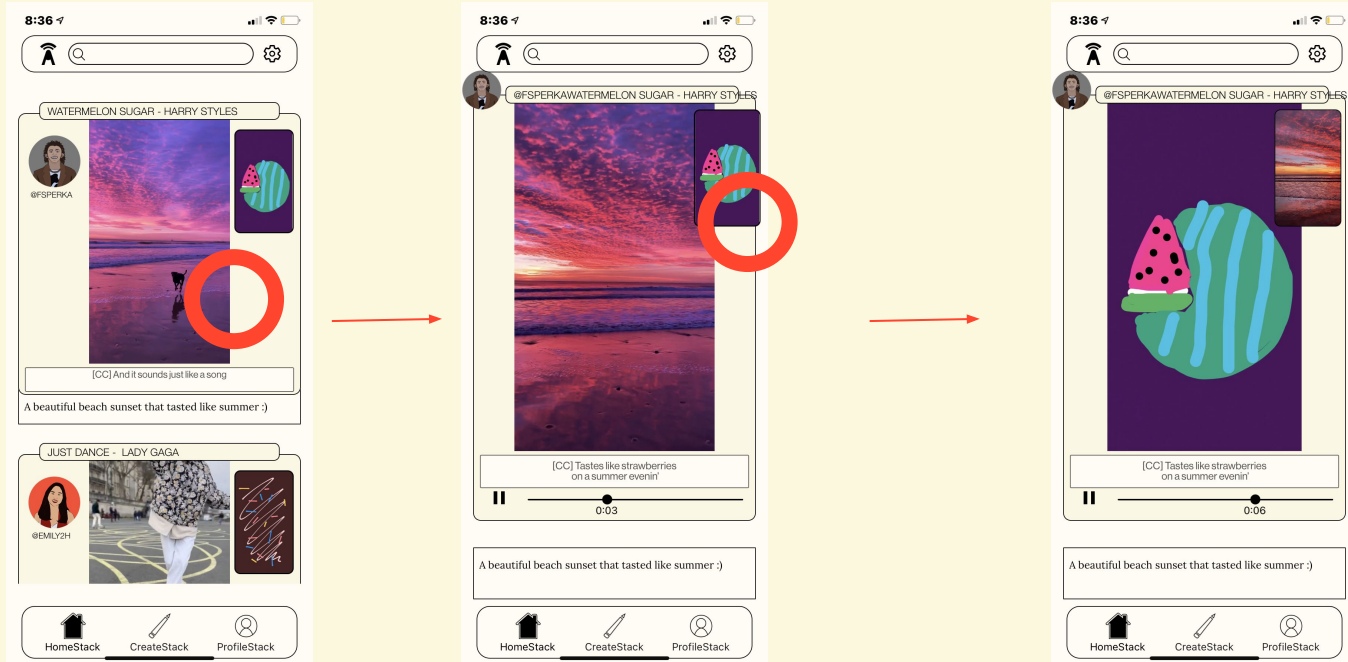
Audio Files

- Songs, videos

Captions and Posts

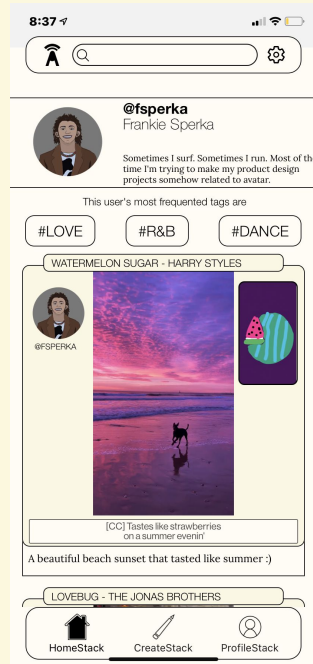
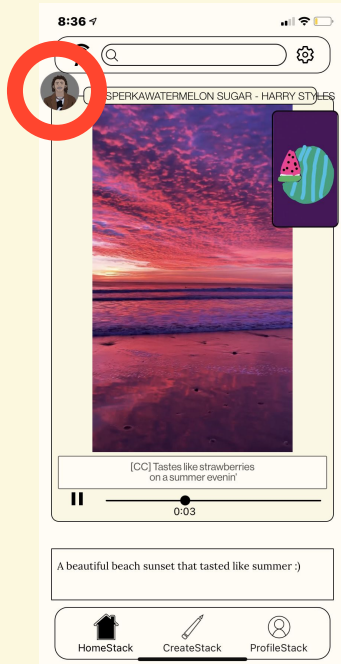
HI-FI TASK 3

COMPLEX TASK: INTERACTING WITH **ALTiOs**, PROFILES, AND TAGS

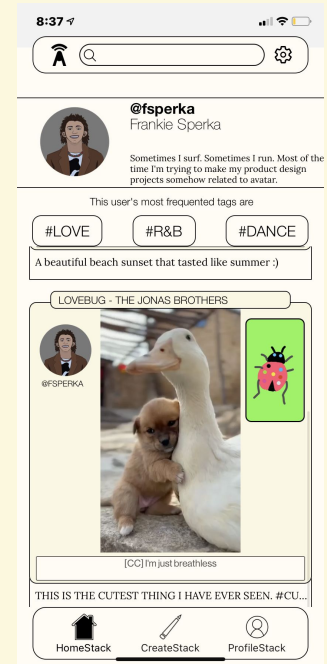
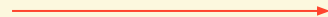


HI-FI TASK 3

COMPLEX TASK: INTERACTING WITH ALTIOs, **PROFILES**, AND TAGS

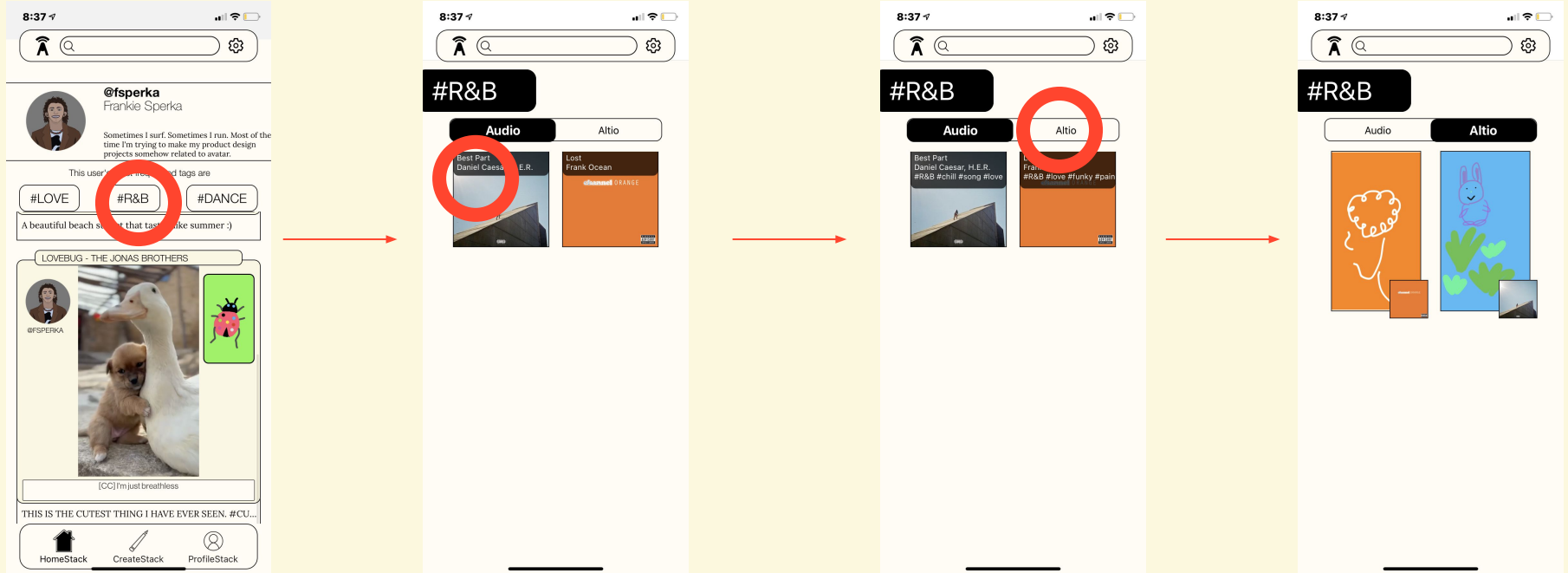


ON SCROLL



HI-FI TASK 3

COMPLEX TASK: INTERACTING WITH ALTIOs, PROFILES, AND TAGS



HI-FI UNIMPLEMENTED

Social network features of a post:

- 'Like', 'Comment', 'Explanation' buttons

Onboarding sequence

“Create” sequence:

- Choosing and uploading audio, explaining and captioning post

Search screen

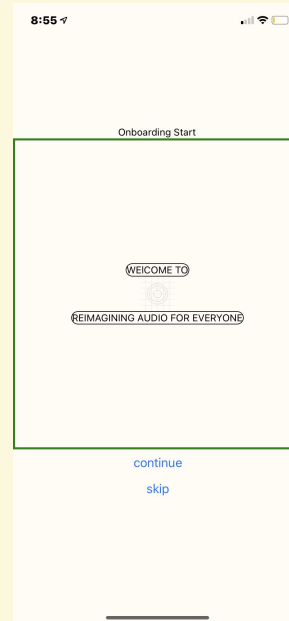
Settings screen

HI-FI NEXT STEPS

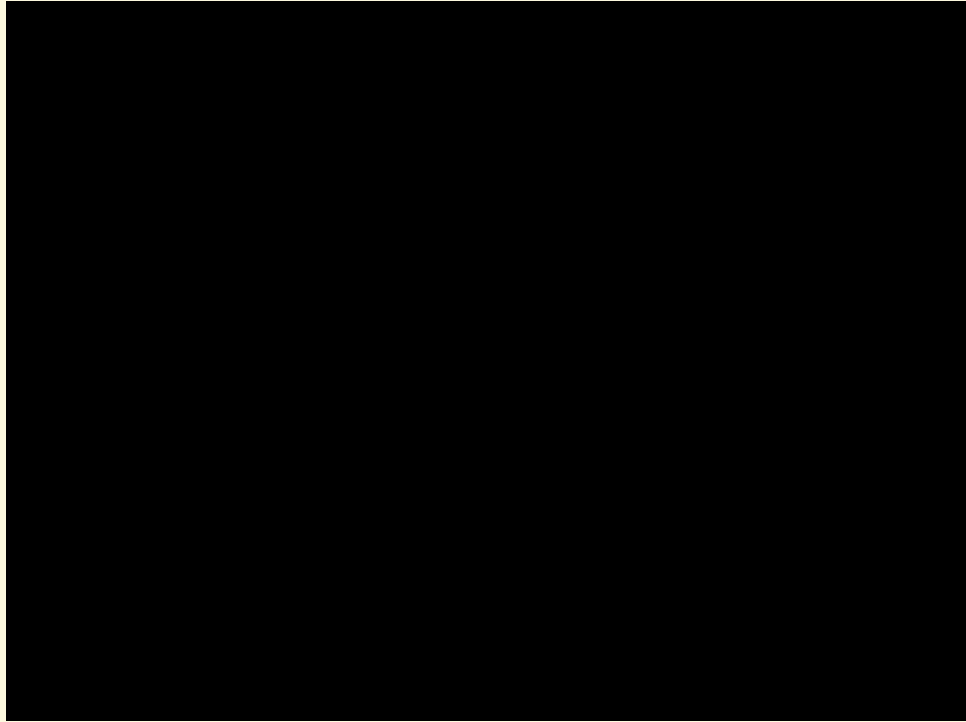
The main steps we need to take from here are implementation of the **Create** features and syncing the design of our native app to our Figma documentation.

Features:

- (★★★★) [Drawing API](#)
- (★★★★) [Access to users' videos/photos library](#)
- (★★★★) [Video Library](#) (displaying posts and audio playback while drawing, can maybe help with displaying closed captioning)
- (★★★) [Spotify API](#) (don't know if works?)
- (★★★) [Apple Music API](#) (don't know if works? [doc](#))
- (★★★) Closed captioning (storing new captions? Or edited ones?)
- (★) Database for accounts / posts (firebase)
 - Eventually storing info like likes/comments/explanations
- (★) Swipe left to go back



HI-FI DEMO



SUMMARY

RICH SOCIAL MEDIA EXPERIENCE

BOGGED DOWN BY THE HIGH-LEVEL IDEA/GOAL

INCREASING CLARITY WITHIN SYSTEM E.G. ICONS

STREAMLINING PROCESS OF NAVIGATING THE APP E.G. “CREATE”

DIFFERENTIATING AND EXPLAINING FEATURES