

The background is a light cream color with a fine, dotted pattern. It is decorated with various hand-drawn elements: a large orange scribbled shape in the top left with teal dots; a yellow bean-like shape; a teal musical note; a dark blue musical note; a teal speech bubble containing the text 'CS 147'; a red musical note; a teal scribbled circle; an orange scribbled shape; a blue musical note; a teal scribbled shape with four yellow vertical bars below it; a pink musical note; a teal musical note; a teal scribbled circle with black dots; a yellow musical note; a yellow and pink scribbled shape; and a red musical note.

CS 147

keynotes

Interactive High-Fi
Prototyping

Our Ensemble!



Will Fang

CS AI '25
French Horn!



Julia Hernandez

SymSys HCI + Soc '24
Viola!



Emily Macias

CS HCI '25
Guitar!



Aditi Tuli

SymSys Neuroscience '25
Piano!



Roadmap



01 keynotes

02 HE Results

03 Revisions



04 Demo!

05 Next Steps





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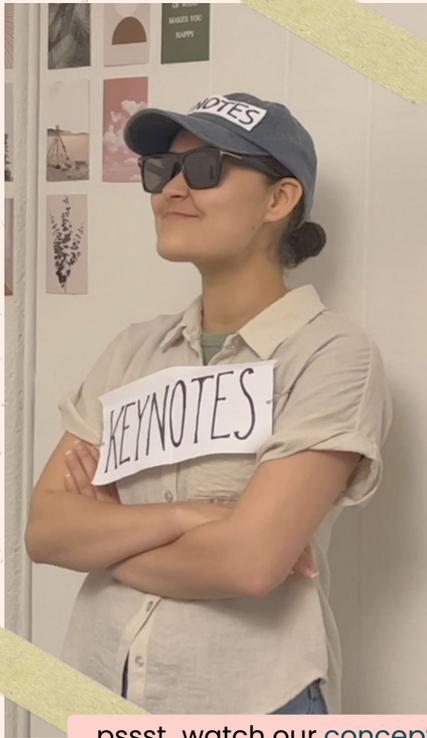


The background is a light cream color with a fine, dotted pattern. It is decorated with various musical and abstract elements: a yellow musical note in the top left, a blue musical note below it, a blue circle on the left side, and a yellow and orange abstract shape at the bottom left. On the right side, there are pink vertical bars, a red treble clef, a light blue musical note, and a red abstract shape at the bottom right.

keynotes

where feedback strikes a chord

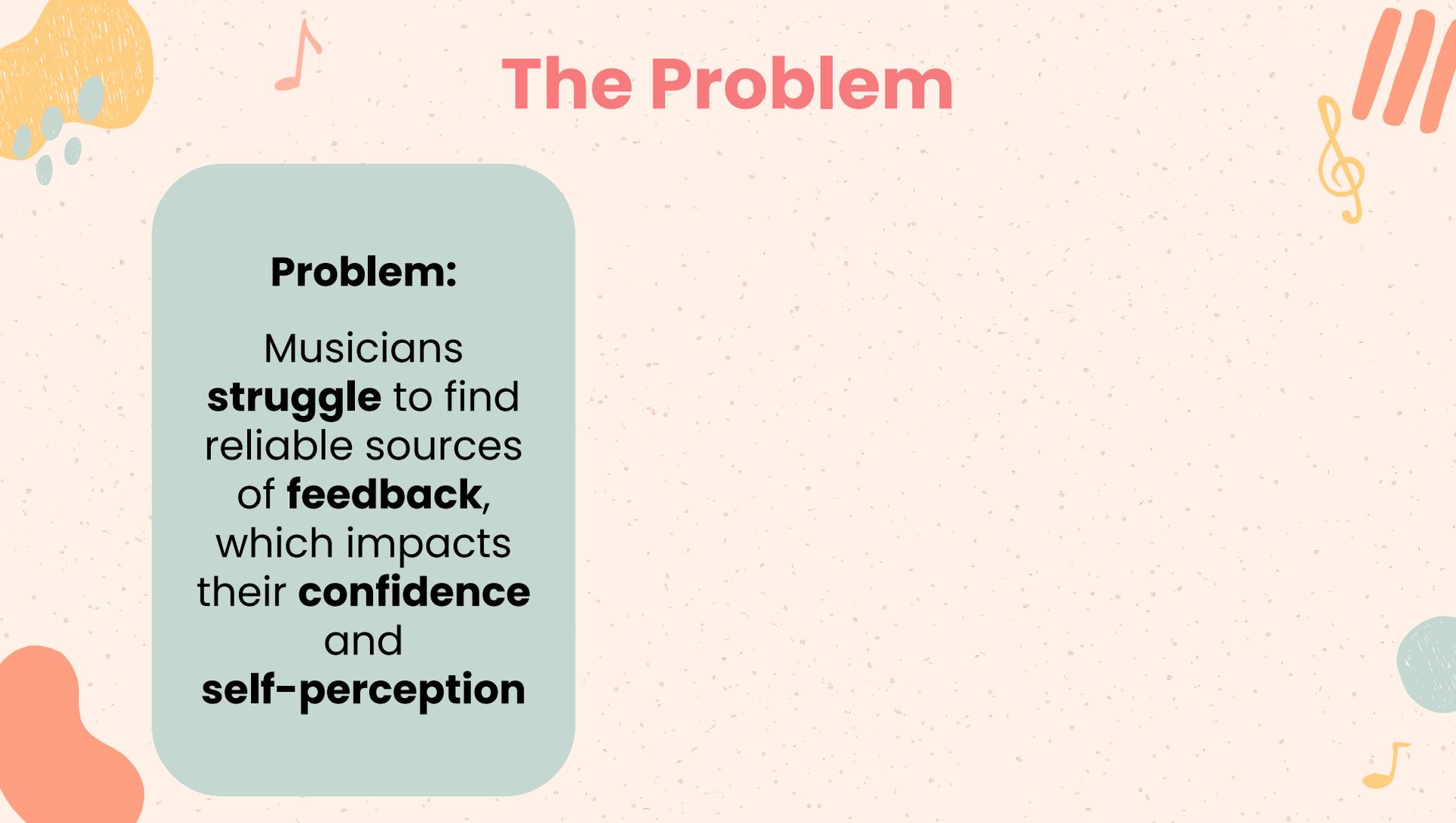
What is keynotes?



pssst...watch our [concept video!](#)

Our Value Proposition:

Creates a platform where
**musicians can connect and
obtain crowdsourced and
one-on-one feedback**



The Problem

Problem:

Musicians **struggle** to find reliable sources of **feedback**, which impacts their **confidence** and **self-perception**

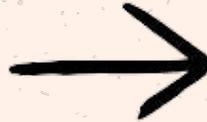


The Problem + Solution



Problem:

Musicians **struggle** to find reliable sources of **feedback**, which impacts their **confidence** and **self-perception**



Solution:

A platform where musicians can **connect** and obtain **one-on-one** and **crowdsourced feedback**





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High-Level HE Summary



Our most common violations were...

- H4: Consistency and Standards (18), H8: Minimalist Design (19)
 - Visual design elements are inconsistent and distracting
 - Colors, buttons, text
- H1: Visibility of System Status (11)
 - No indication of successful/unsuccessful actions
- H6: Recognition not Recall (11)
 - No reminders of key information about tracks/users necessary for multi-step task flows
- H7 Flexibility and Efficiency of Use (11)



Major Violation Group 1

Consistency and Standards, Aesthetic Design, Visibility of System Status

Description

General aesthetics and color palette did not match the keynotes value proposition. Further, the use of color to highlight possible user actions was not as intentional as it could have been

Illustrative Example

H1 Visibility of System Status / Severity: 3

Task: Find a new musician and give feedback

Description: Can't tell which tab I am on in the navigation panel.

Rationale: Users may get confused as to where they are in the app.

Fix: Update UI to switch tab color based on where you are

Major Violation Group 2

Visibility of System Status

Description

There was a lack of feedback to users when they successfully complete a task (leaving feedback, uploading a track or changing their settings)

Illustrative Example

H1: Visibility of System Status / Severity: 3

Description: There is no notification for whether the uploading process has completed or if the file is ready for upload.

Rationale: Users should be notified throughout the upload process and may be confused on whether they are ready to post track.

Fix: Create a progress upload bar for a visual representation of upload status.

Major Violation Group 3

Recognition Not Recall

Description

Generally, pages were missing reminders of key information about tracks/users necessary for multi-step task flows

Illustrative Example

H6: Recognition not Recall / Severity: 3

Description: Users do not have access to the track they are commenting on once they click on give feedback.

Rationale: Users have to actively recall the track or go back to the “Explore” page to relisten, which can be frustrating when giving feedback.

Fix: Provide the track at the top of the “give feedback” page to make the feedback giving process more efficient.

Major Violation Group 4

Flexibility and Efficiency of Use

Description

There was a lot of friction created when the user wanted to view the feedback they have received on a track

Illustrative Example

H7: Flexibility & Efficiency of Use / Severity: 3

Description: Users cannot organize feedback when searching for specific answers to questions.

Rationale: It is inefficient for a user that is working to fix a particular problem in their music when they are unable to search through a categorized list of feedback to find answers to their questions.

Fix: Add a notification section to view new notifications of feedback. Categorize feedback and let users see if their question has been answered.



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Revisions tl;dr

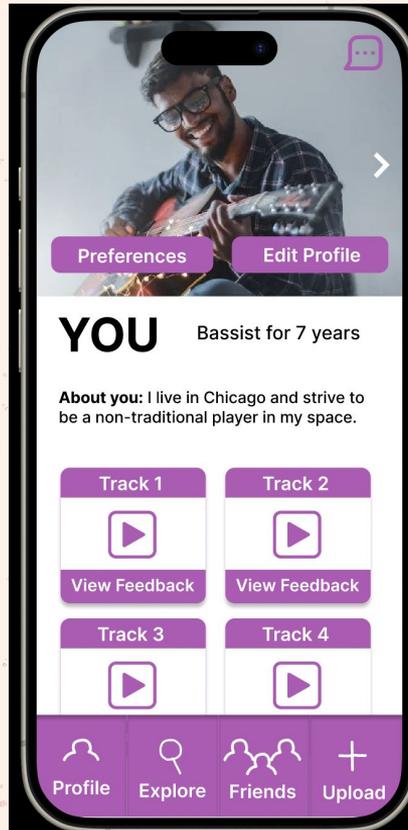
...everything

Major Violation Group 1: Before

Consistency and Standards and Aesthetic Design

Overuse of bright purple

Text color, size, weight inconsistent without meaning



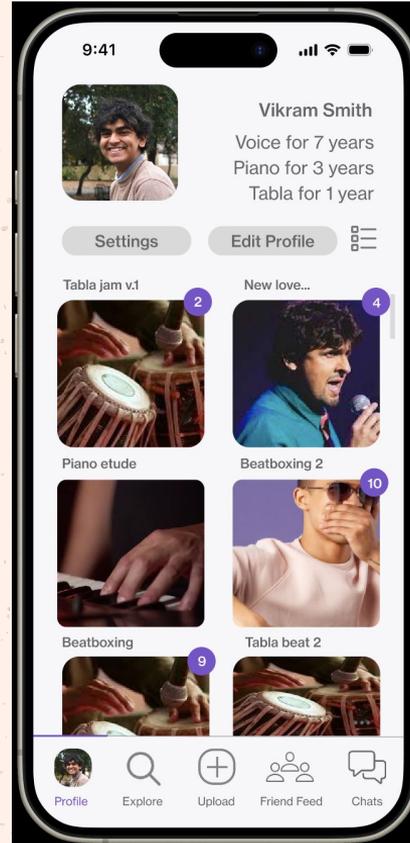
Usability Goal Issues:

- **Robustness:** users may erroneously mix up elements because of visual similarities
- **Efficiency:** lack of consistency makes interacting less intuitive/requires more mental load

Major Violation Group 1: After

Purple used sparingly and to indicate most important elements on screen

Buttons standardized, text indicates hierarchy of info



Usability Goal Progress:

- **Robustness:** Users can visually categorize different elements, reducing confusion-based errors
- **Efficiency:** Users can quickly and intuitively group different elements together based on visuals

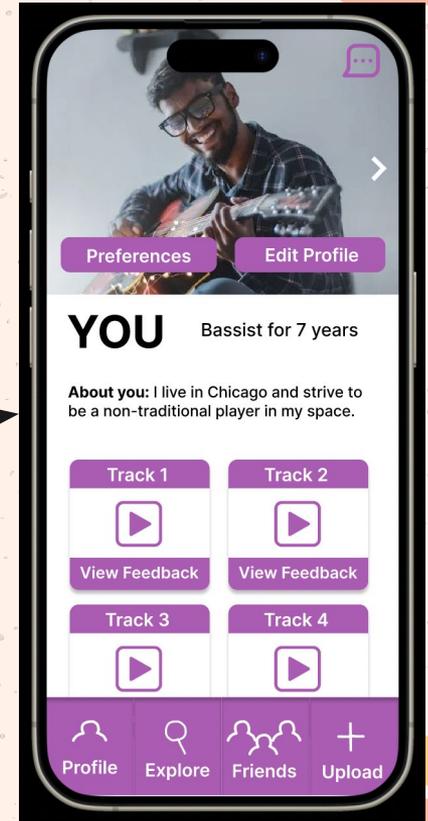
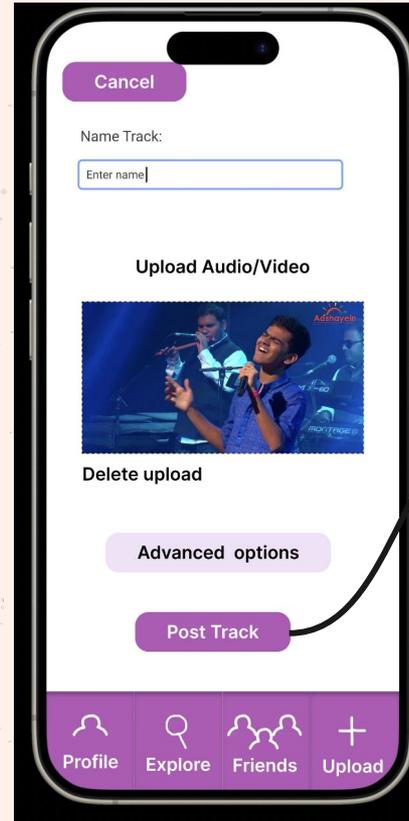
Major Violation Group 2: Before

Visibility of System Status

No feedback to the user confirming that their action of posting the track was successful

Usability Goal Issues:

- **Robustness:** Users may try to upload the same post again
- **Efficiency:** Users may waste time checking if the track was uploaded

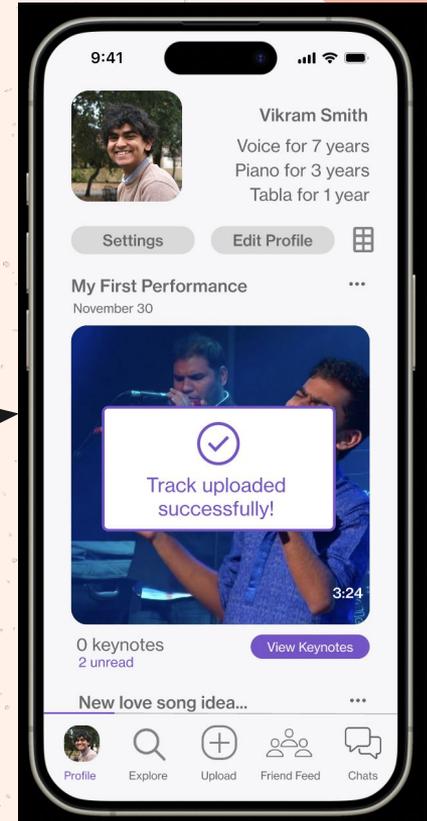
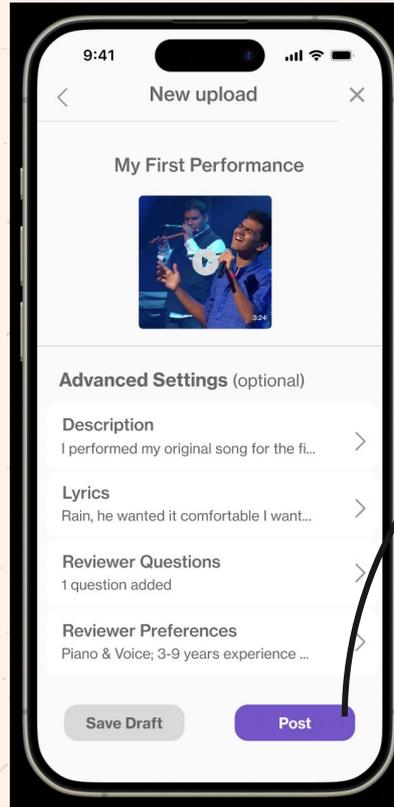


Major Violation Group 2: After

Users get a signal that their action was successful, giving them peace of mind

Usability Goal Progress:

- **Robustness:** Users will know the track was uploaded and are less likely to make the error of re-uploading it
- **Efficiency:** Users will be able to move on to the next task without checking if the previous task was successful, saving time



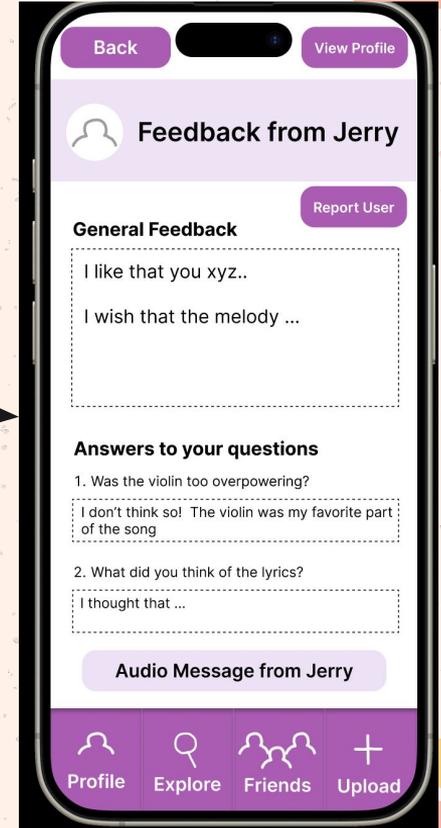
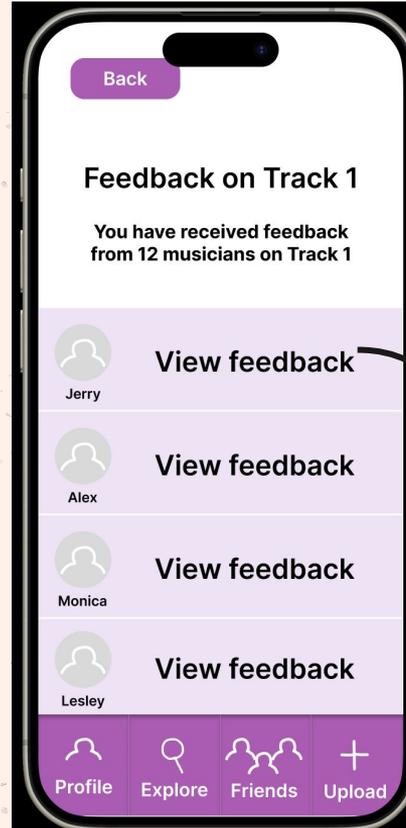
Major Violation Group 3: Before

Recognition Not Recall

No ability to play the track on either screen, no reminder of which track Jerry is reviewing

Usability Goal Issues:

- **Robustness:** Users may forget which track's feedback they're looking at
- **Efficiency:** Users may waste time going back to check which track they're on

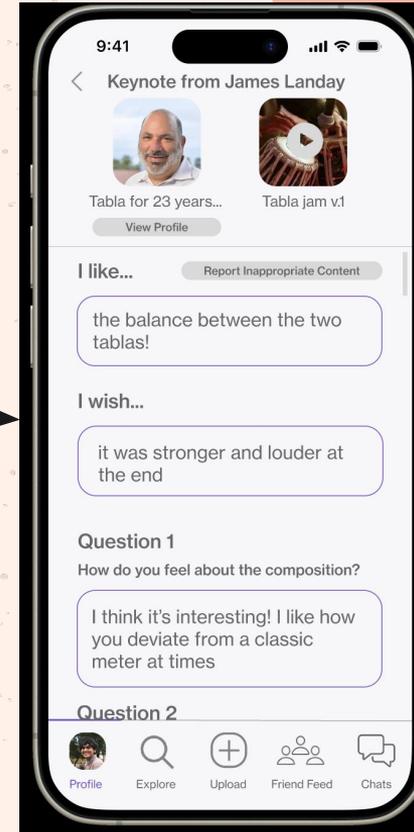
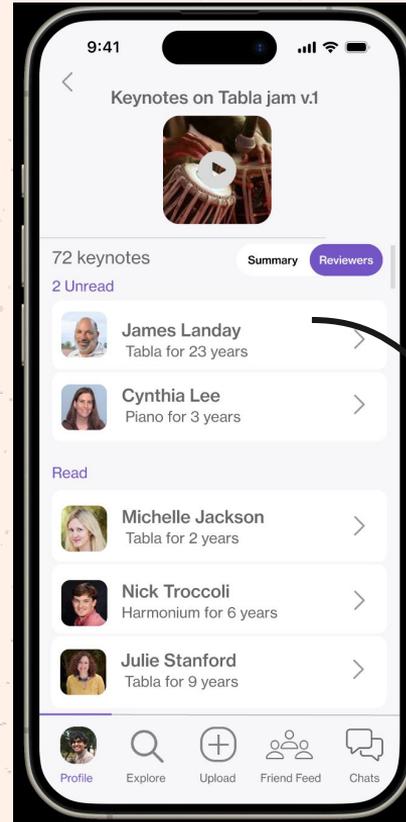


Major Violation Group 3: After

Users can play the track for which they are viewing feedback and see the reviewer who left feedback

Usability Goal Progress:

- **Robustness:** Users will be reminded of key info, decreasing likelihood of a mistake based on misremembering a user/track
- **Efficiency:** Users do not have to spend time trying to remember what they are doing on a certain page



Major Violation Group 4: Before

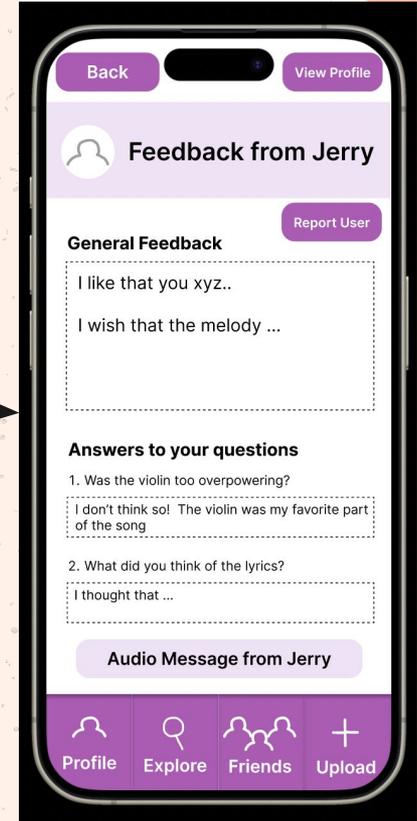
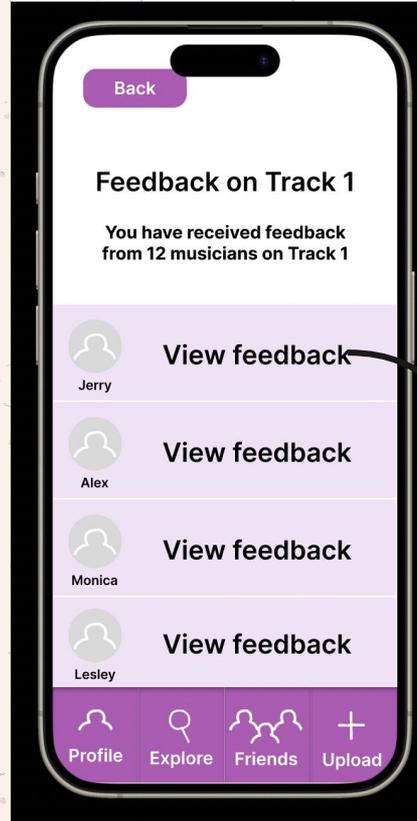
Flexibility and Efficiency of Use

Vague message about number of feedback from musicians

No information about the user giving feedback to provide context

Usability Goal Issues:

- **Robustness:** Users may click on the wrong person's feedback when searching for a specific type of feedback
- **Efficiency:** Users will waste time tapping into each user's profile



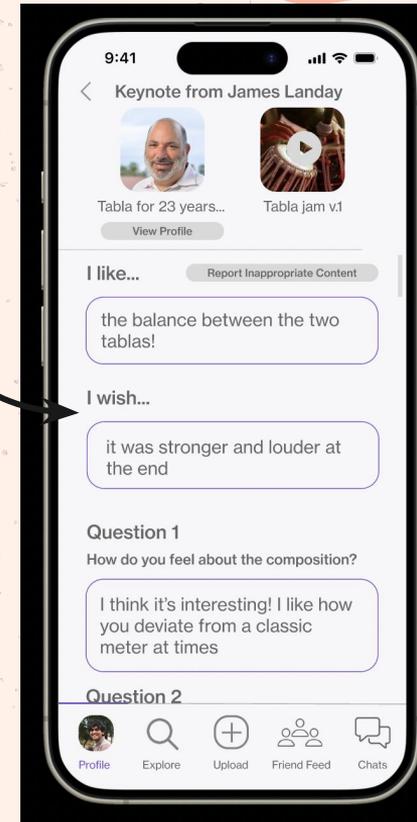
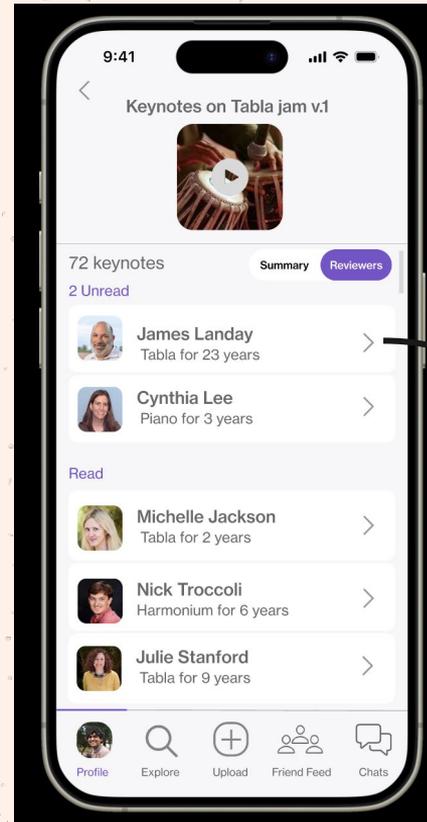
Major Violation Group 4: After

keynotes are filtered into read and unread, with a total number of keynotes listed above

Key information about the person giving feedback is listen on both screens

Usability Goal Progress:

- **Efficiency:** Users will be able view the feedback in the context of who is giving the feedback on the same screen, saving time

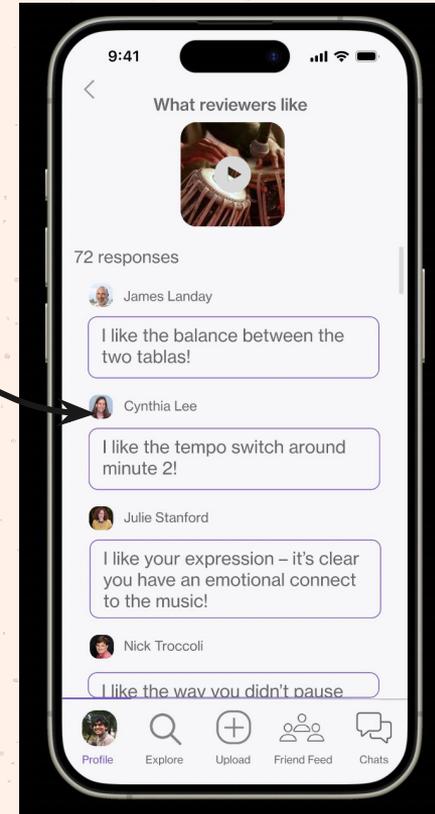
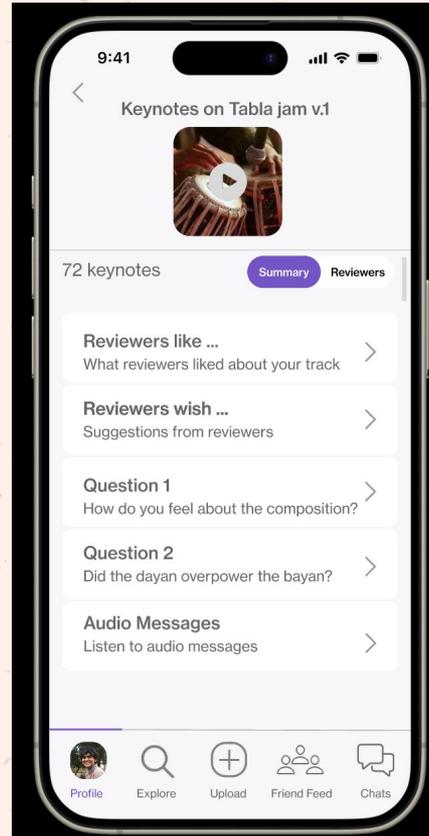


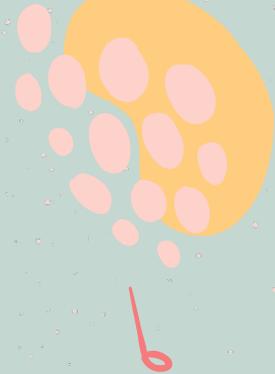
Major Violation Group 4: After

Users can also view their feedback in an aggregated form, separated into positive comments, negative comments, and answers to their questions

Usability Goal Progress:

- **Efficiency:** Users can find answers to specific questions faster
- **Flexibility:** Users have more control over their experience and can achieve the same task in multiple ways





New Figma





Roadmap



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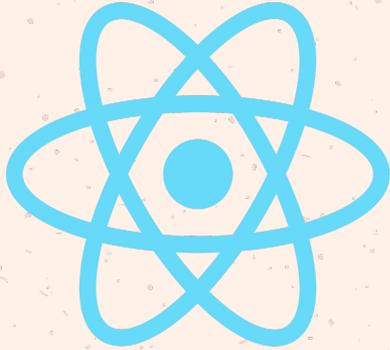


04 Demo!

05 Next Steps



Programming Tools



React Native



Supabase



Expo Go



Implemented Features



Task 1:

Upload Post for Feedback



Upload a video





Implemented Features



Task 1:

Upload Post for Feedback

Upload a video

Add a title





Implemented Features



Task 1:

Upload Post for Feedback



Upload a video



Add a title

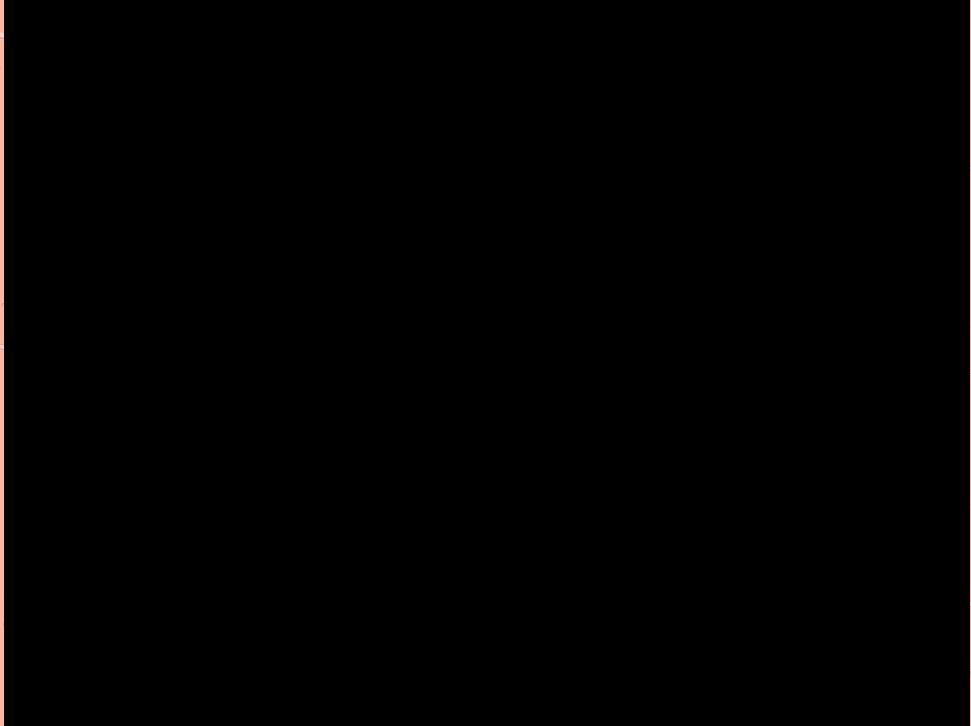
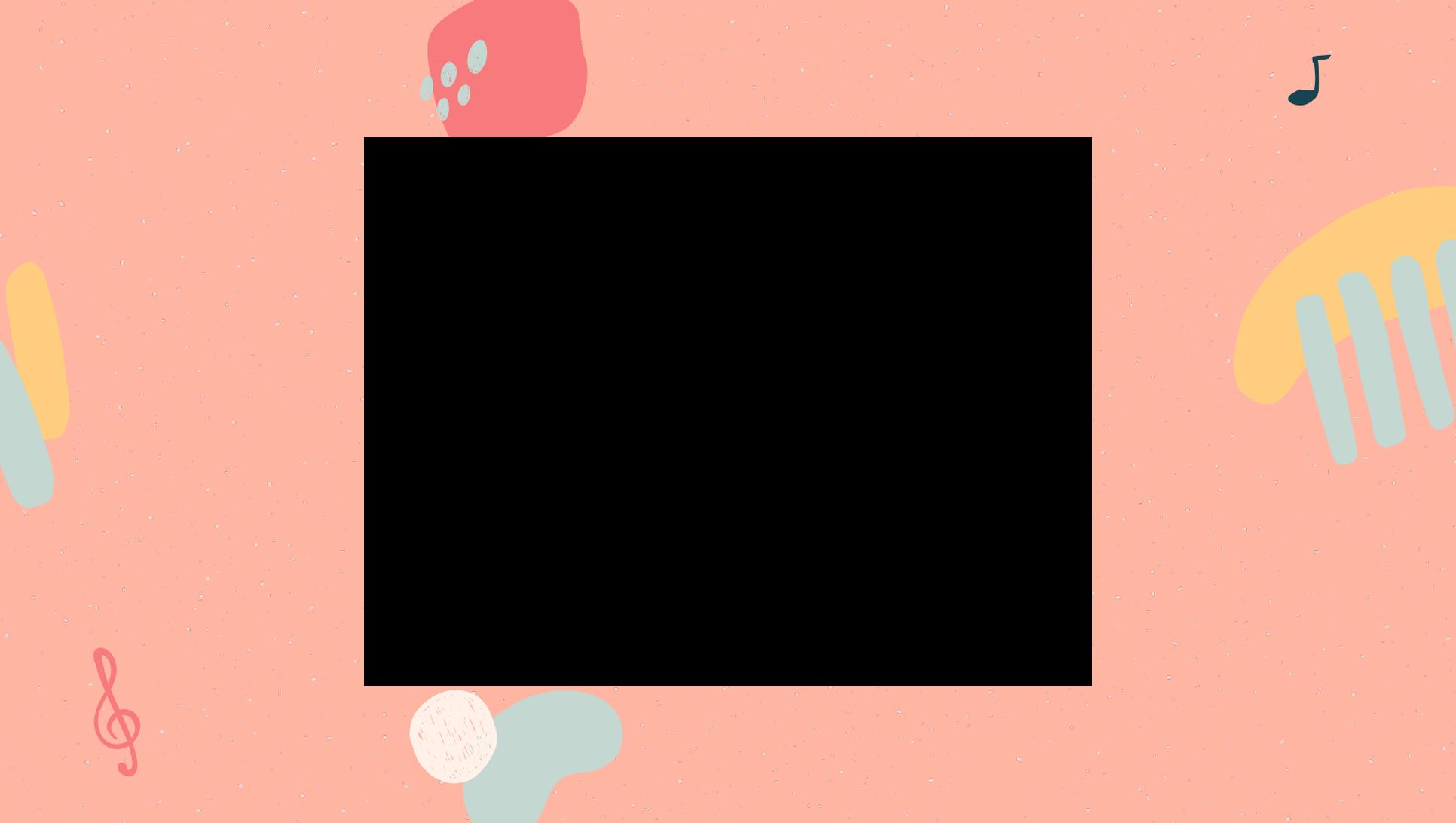


Advanced Options
(description, lyrics, reviewer questions, visibility)



Demo Video







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Unimplemented Features



Task 1 Backend: In Progress



Task 2: View feedback on post



Task 3: View others' posts and give feedback



Task 4: Change default preferences





Wizard of Oz + Hardcoded

Wizard of Oz

- 1) Auto-generated lyrics

Hardcoded Features

- 1) Saved data between screens + searching
 - 2) Uploading audio
 - 3) Posting
- 

Plans For Implementation: Task 1

Hardcoded Features

- 1) Saved data between screens + searching
- 2) Uploading audio
- 3) Posting



- 1) Implement saving data between screens
- 2) Uploading audio from phone
- 3) Post to Supabase

Smaller General Implementation Needs

- 1) Adding icons to tab navigator
- 2) Updating characters in description for character limit



Plans for Next Tasks

Simple Task 2:

View feedback on a track

Timeline: weekend task

Frontend + attempt backend component

Moderate Task:

Find a new musician and give feedback

Timeline: weekend task

Frontend + attempt backend component

Complex Task:

Filter who can give you feedback

Timeline: weekend task + Mon-Wed task

Implement with hardcoded recommendations





Thank you!

Questions? Comments?

