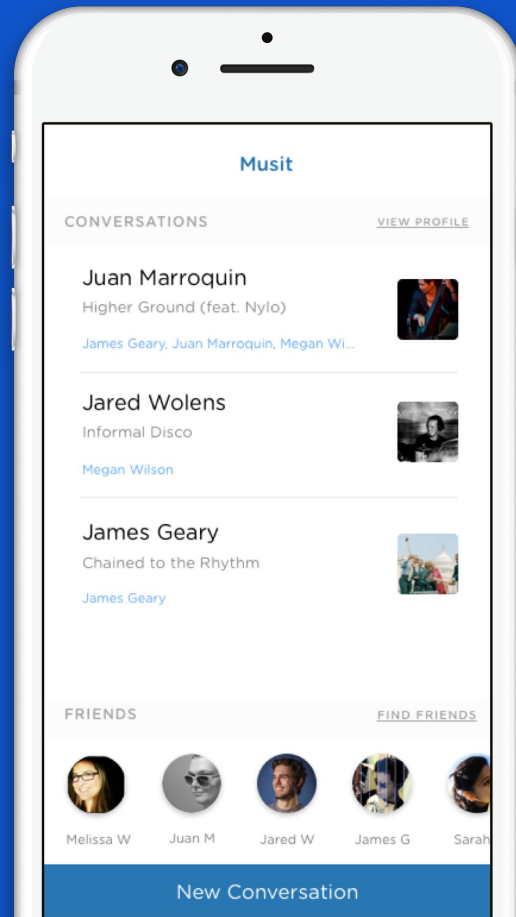


Musit

Stop sending links.
Start sharing music.



Juan Marroquin
C.S. B.S. '17



Jared Wolens
C.S. M.S. '17



Megan Wilson
C.S. B.S. '18



James Geary
C.S. B.S. '17

Outline of Talk

Problem

- Problem and Solutions

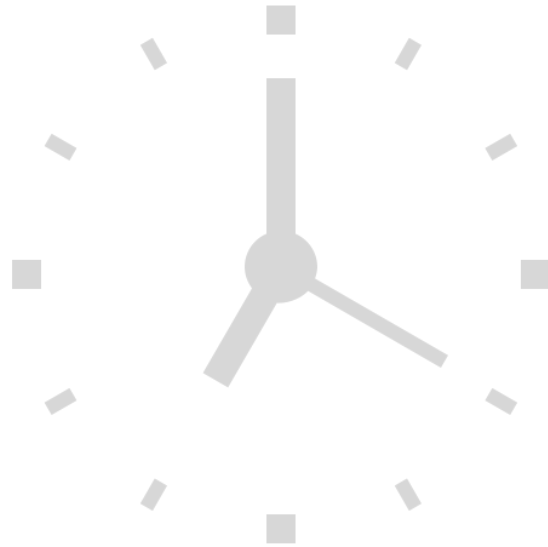
Solution

Video

Design Evolution

UI + Implementation

Conclusion



The Current State of Music Sharing



Boring hyperlinks that have to be copied and pasted from native services

Missed recommendations

Frustration and annoyance with people not reciprocating

Problem

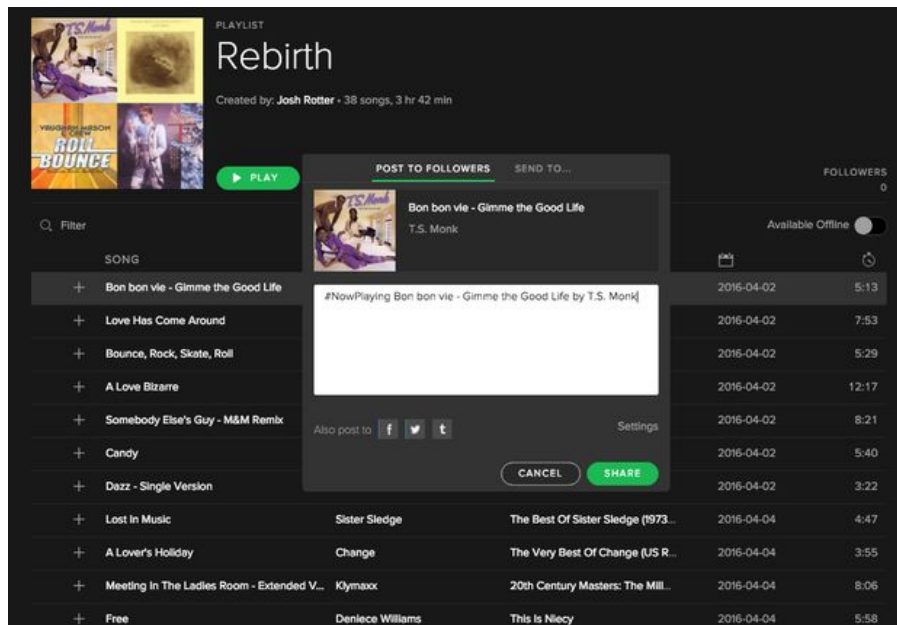
Music recommendations are getting lost in the shuffle.

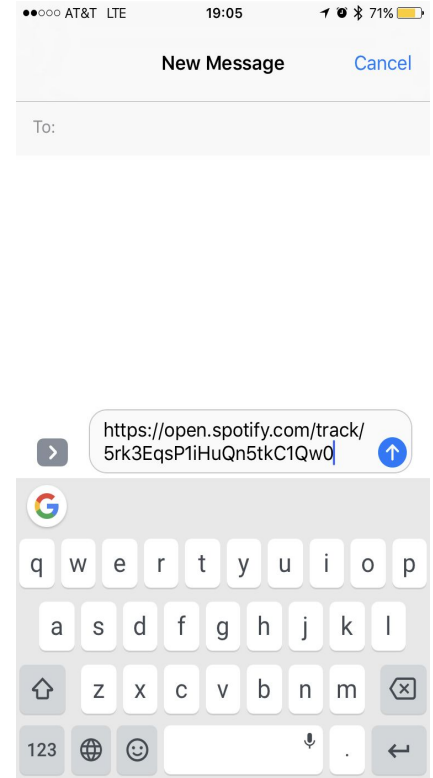
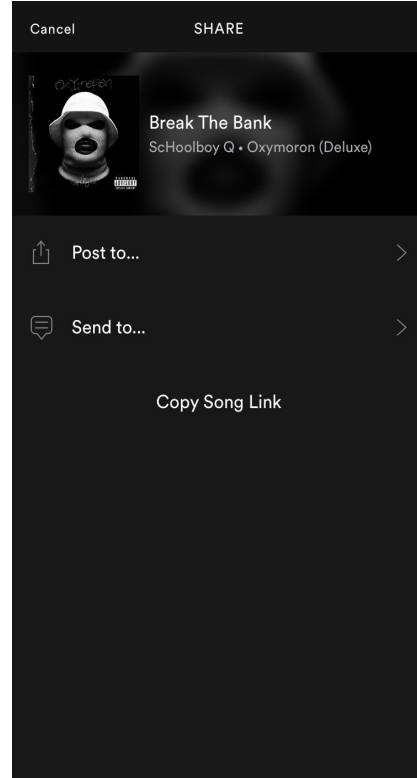
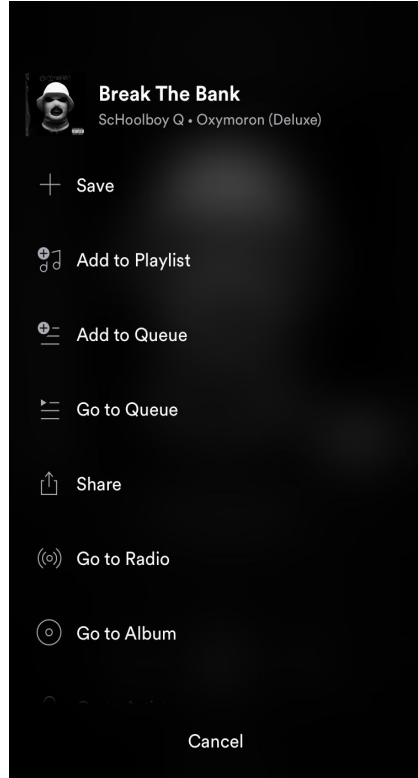
Existing Channels



Some music services like Spotify and Soundcloud have music-sharing features.

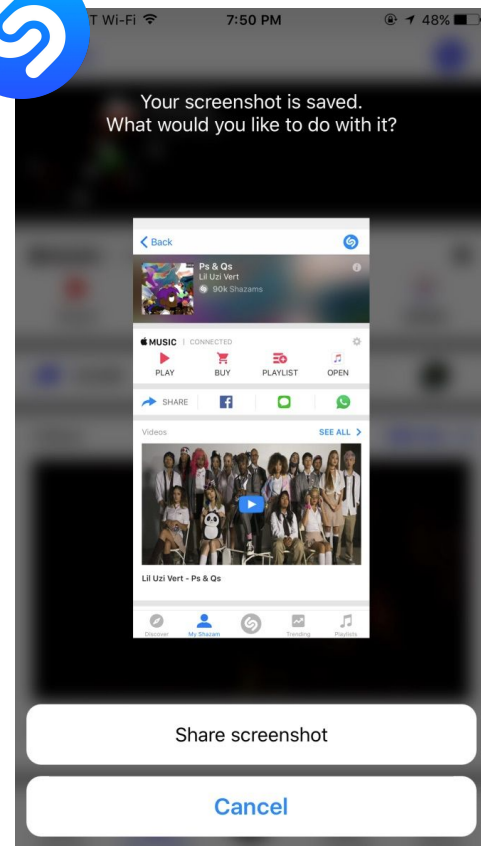
These features are **restricted** to users of that service, and still **auxiliary** to the core features of the platform.





Existing Channels

Shazam helps you **remember a song** for later, but still relies on **links** and **screenshots** for sharing.



Solution: Mission and High Level

Mission: Streamline the music sharing process.

High Level: Build a dedicated channel for **sharing music with your friends** and the people around you.



Video

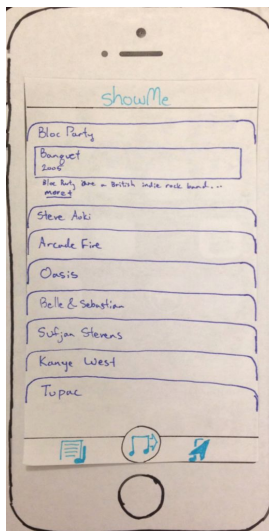


Design Evolution

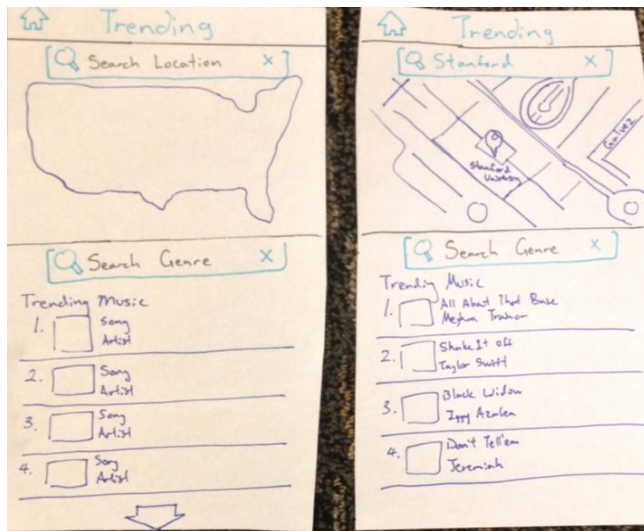
CS 147 (2014)

Jared W, Frances G, Inseong C, Clifford H

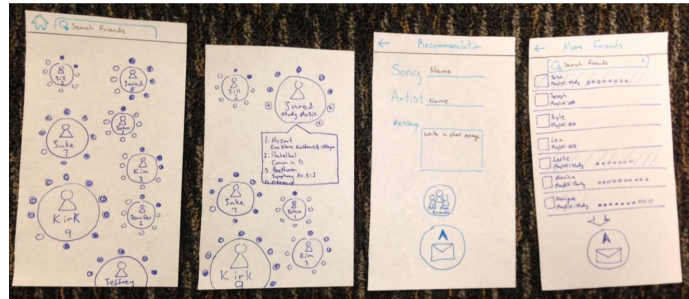
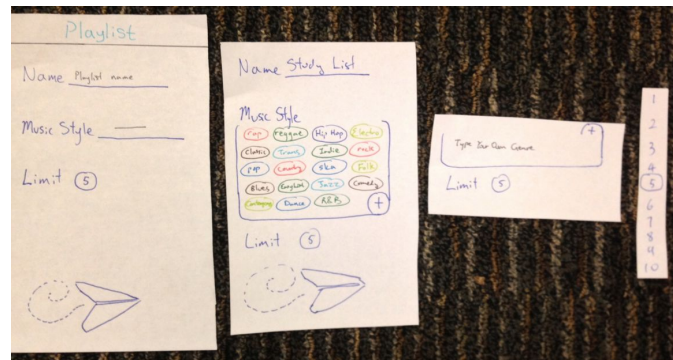
Low-Fi Prototype (CS 147 2014)



Home screen



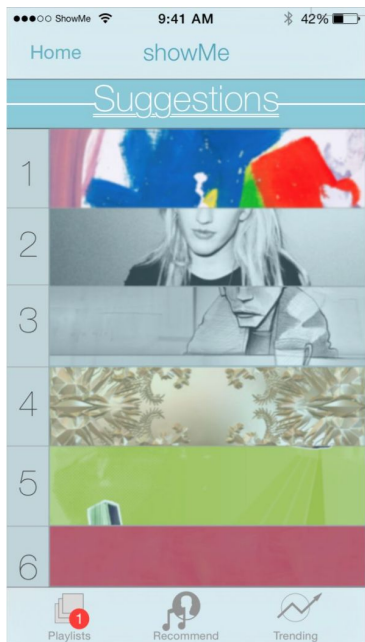
Discover music by location and genre



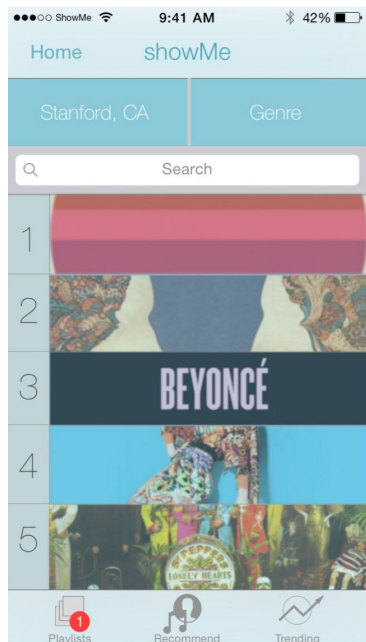
Send a song to a friend (top)
Solicit suggestions via playlist (bottom)



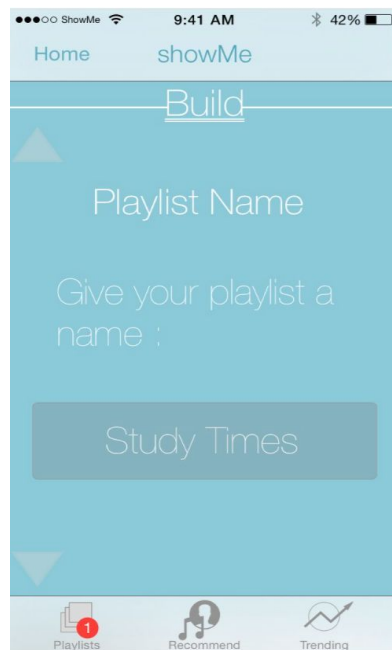
Med-Fi Prototype (CS 147 2014)



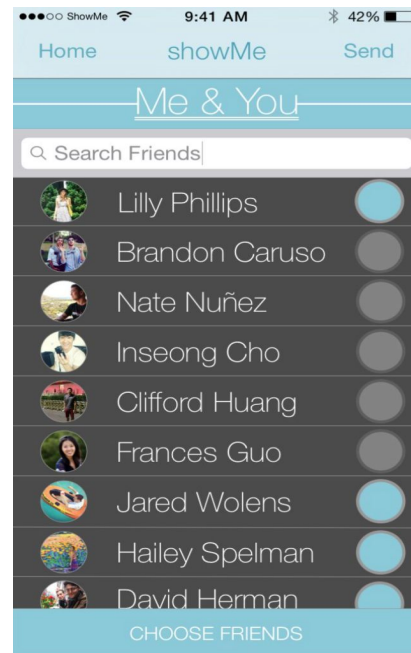
Home page



Discover music trending nearby



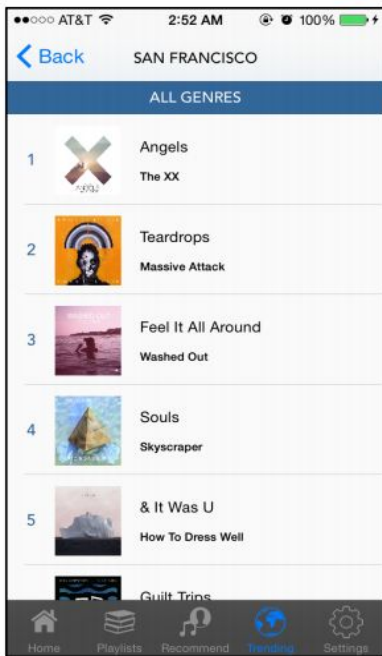
Create a playlist



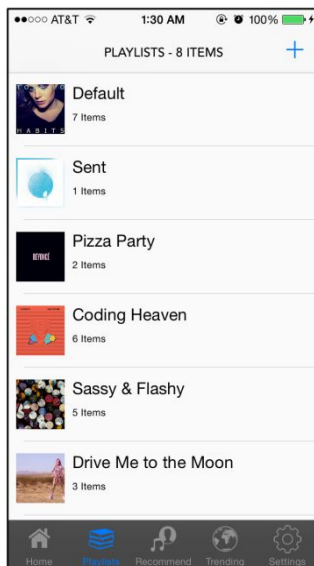
Send a song to your friends



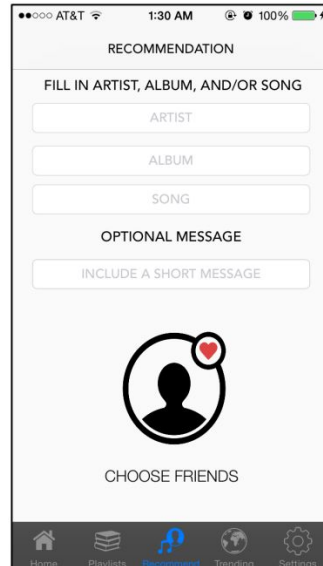
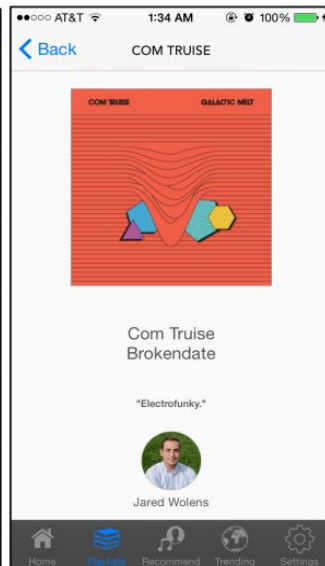
Hi-Fi Prototype (CS 147 2014)



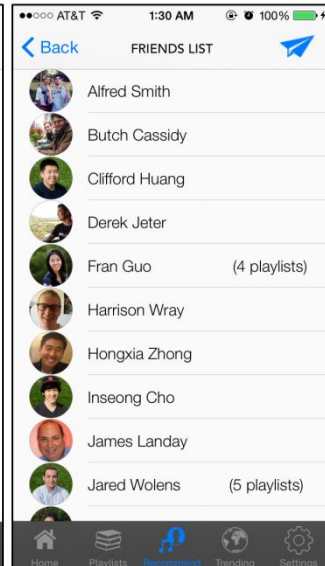
Discover trending music nearby



Create playlists to solicit suggestions



Send a song to your friends




Design Evolution


CS 194H (2017)

Hi-Fi Prototype #1


RECOMMENDATIONS




Hey Lover
Village, INCA



James Geary



Superlove
Tinashe [Danny L Harle]



Jared Wolens

Home Playlists Recommend Trending Settings

< RECOMMEND

Search by Track, Artist, or Album

Song Title

Artist



Leave someone a message...

Choose Friends

TRENDING

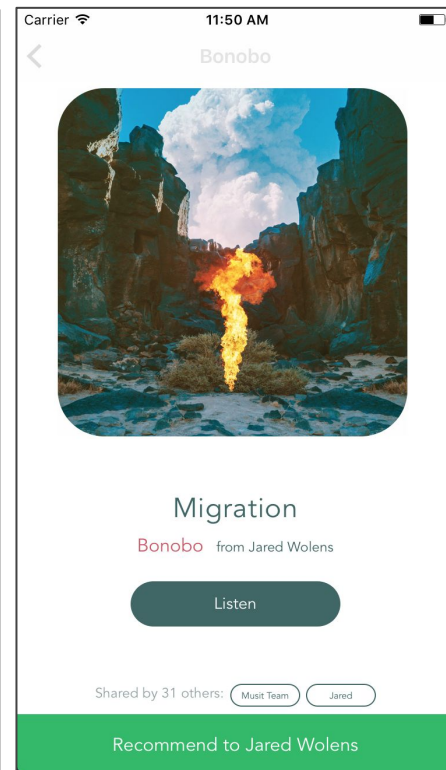
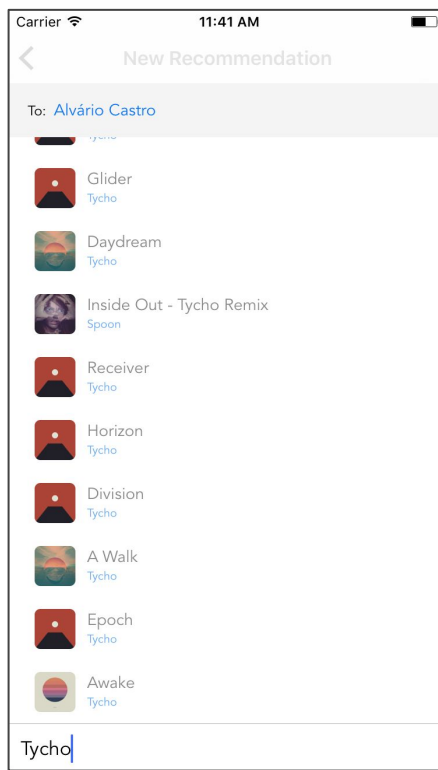
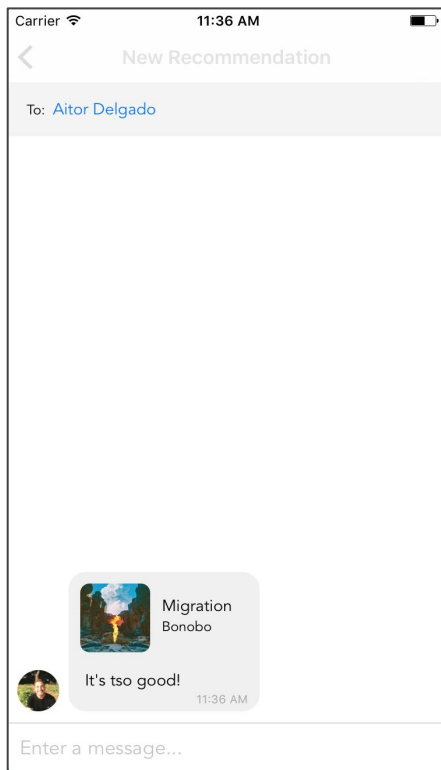
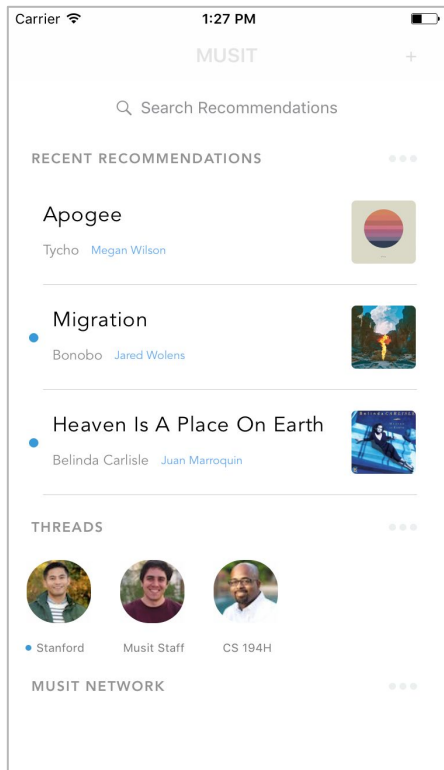
Rap	Pop
Rock	Hip-Hop
Classic	Country
Jazz	Electronic

Home Playlists Recommend Trending Settings

User Feedback #1 Takeaways

- Trending is not valuable
 - There are many popular existing music discovery services and features that people use
 - We care about music-based relationships
- People were more interested in having a back-and-forth with a friend, and less interested in having to create more playlists
- Sending a recommendation should be fun and easy
- Need a native app and spotify integration

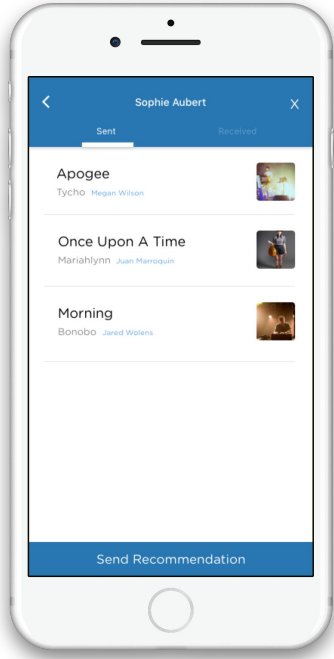
Hi-Fi Prototype #2



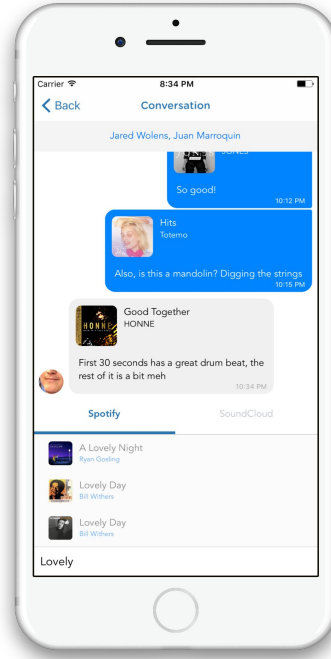
User Feedback #2 Takeaways

- Need a bigger “new recommendation” button
- More color
- Recommendation flow is interesting, but not intuitive
- Need facebook and soundcloud integration

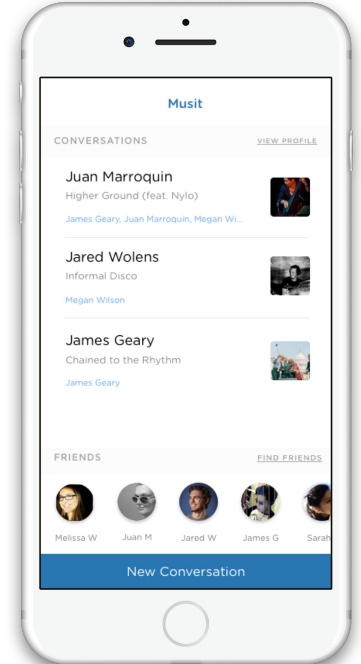
Current User Interface



Tap to play tracks
from Spotify or
Soundcloud



Search for songs
directly from the
conversation



Centralize all your
recommendations

Spotify



New Recommendation

Jared Wilens, Juan Marroquin

Spotify

SoundCloud



Exchange
New York



Don't
New York



LSD
New York

ui|

⌂

Love

Let's

q w e r t y u i o p

a s d f g h j k l

⏪ z x c v b n m ⏩

123



space

Send

Spotify



New Recommendation

Adult Jackson

Spotify

SoundCloud

Opposite of adult

"adult"

adult

adult

q w e r t y u i o p

a s d f g h j k l

z x c v b n m

123



space

Send

Implementation

Final Prototype

- React Native app for iOS
- Firebase database
- Node Server on Heroku (to send notifications)
- Spotify and SoundCloud



Future Updates

- Conversations

- Use threads to make it more clear when a song inspires the other users
- Name Conversations

- Notifications

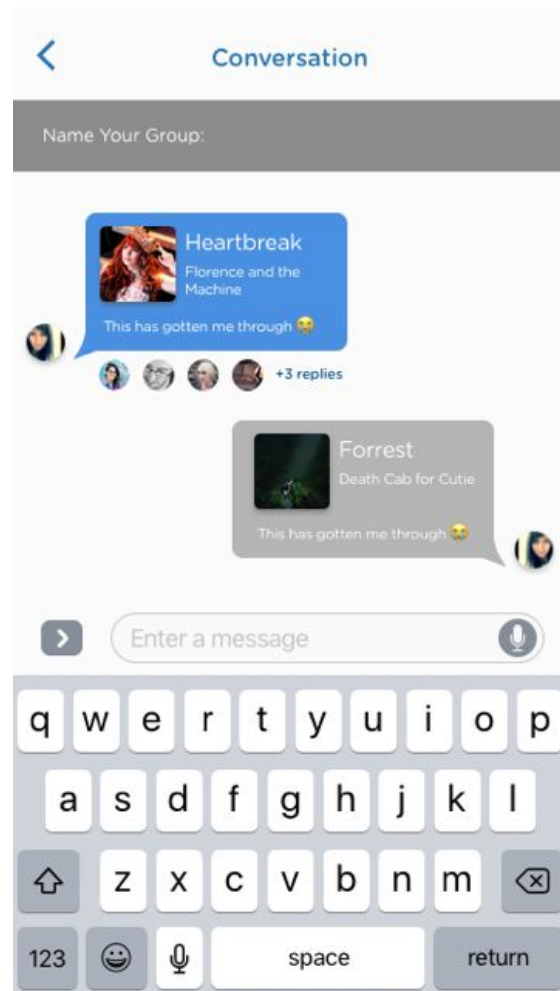
- Go to the conversation when tapping the notification

- Miscellaneous "Nice to Have"s

- See how many unread messages you have on the iPhone Home screen

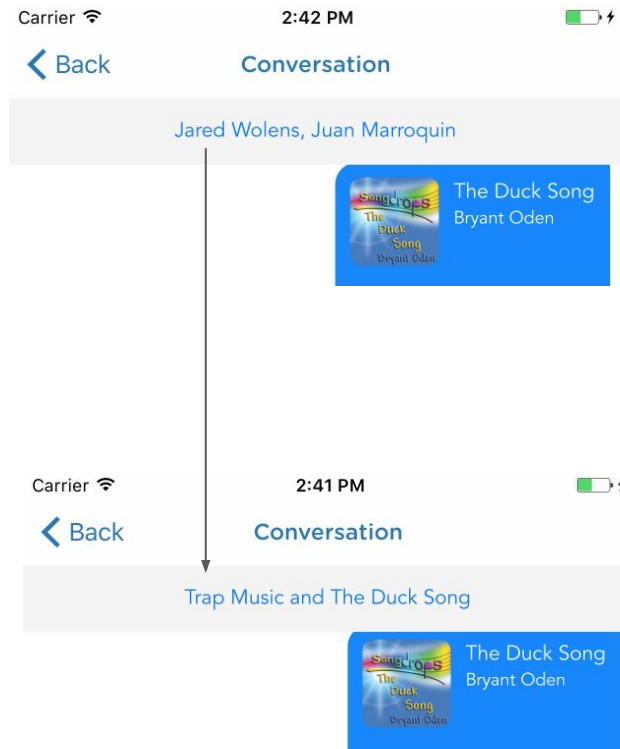
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- Conversations
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 - Name Conversations
- Notifications
 - Go to the conversation when tapping the notification
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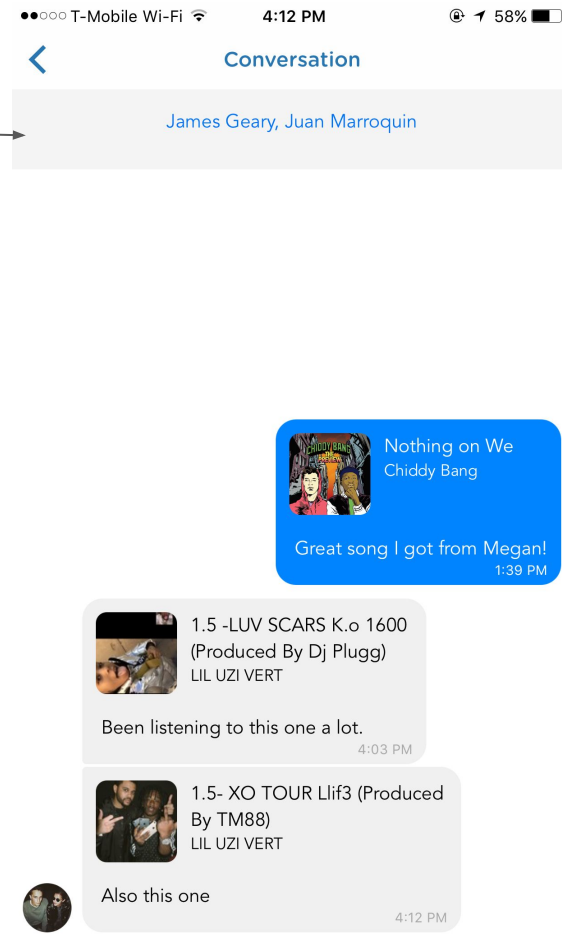
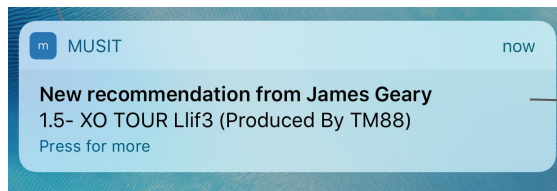
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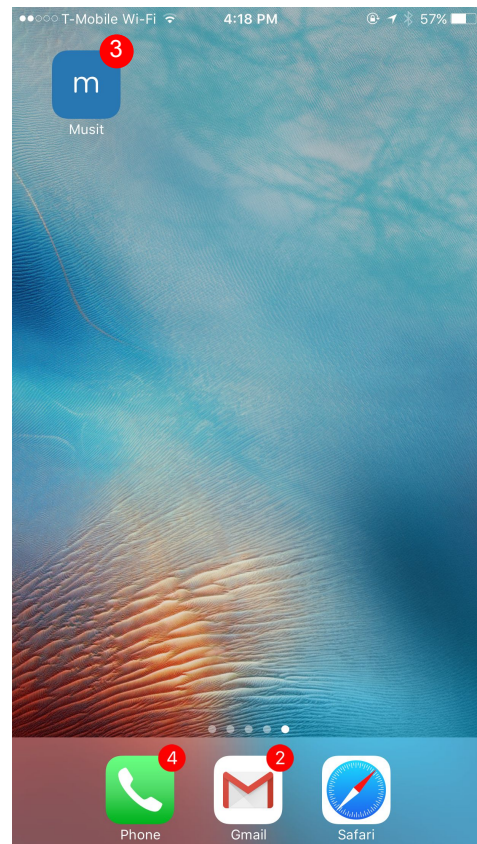
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Search for a track...

Future Updates

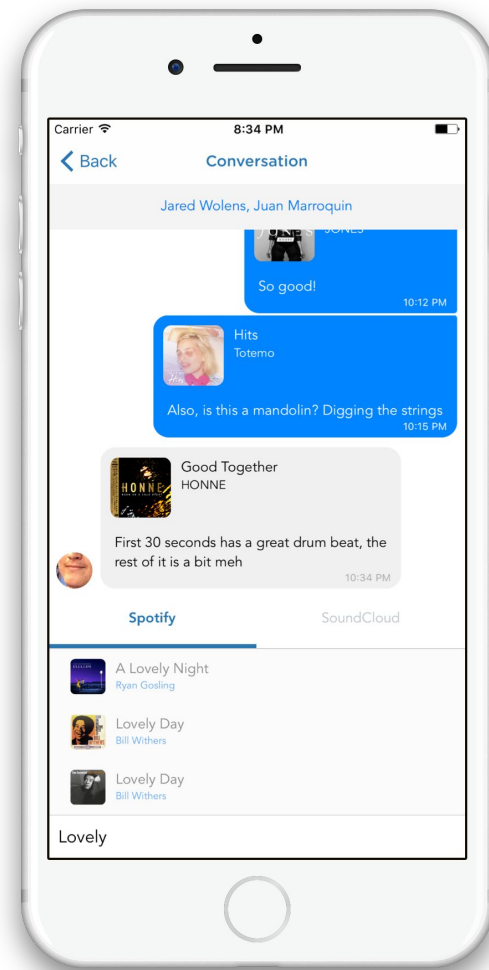
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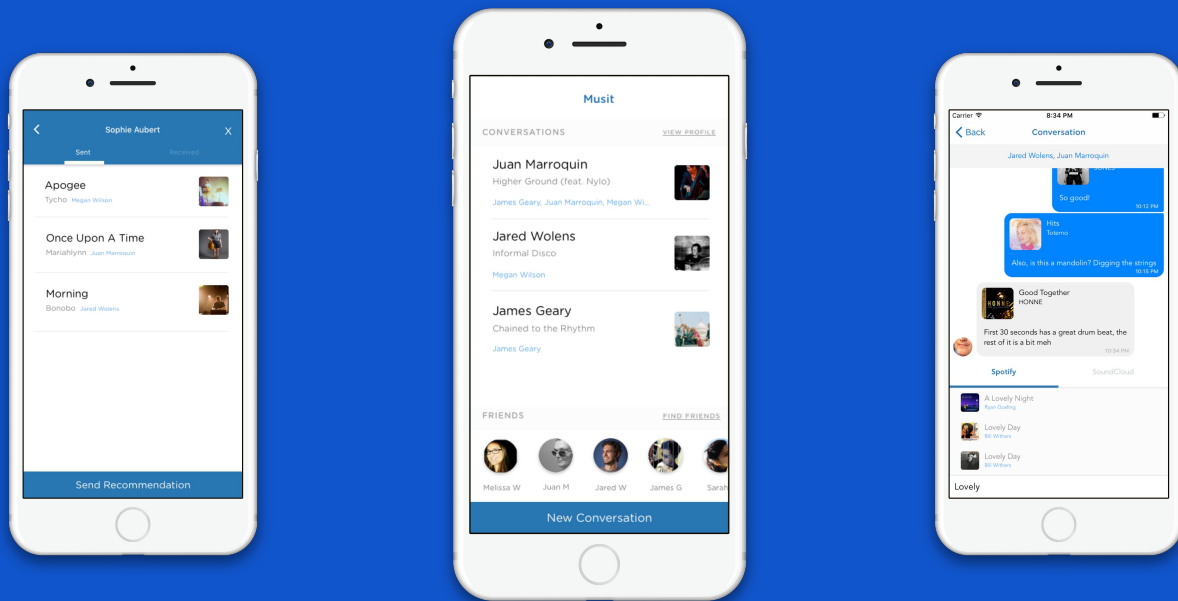


Conclusion



- Musit offers a more streamlined way of sending music to friends than competing services
- Through Musit we hope to use music as a catalyst for generating and improving relationships.





Questions?



To download on the App Store, visit
bit.ly/musit