

01

ACM PROJECTS | FALL 2020

# CLOUD ENSEMBLE



# The Team

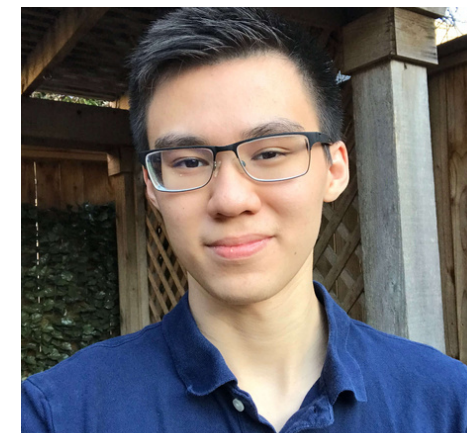
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02



Elizabeth Clements

Front End Developer



Joseph Prichard

Back End Developer



Francisca Li

Front End Developer



Jocelyn Heckenkamp

Back End Developer



Meinhard Capucão

Front End Developer



Samuel Nitsch

Project Manager

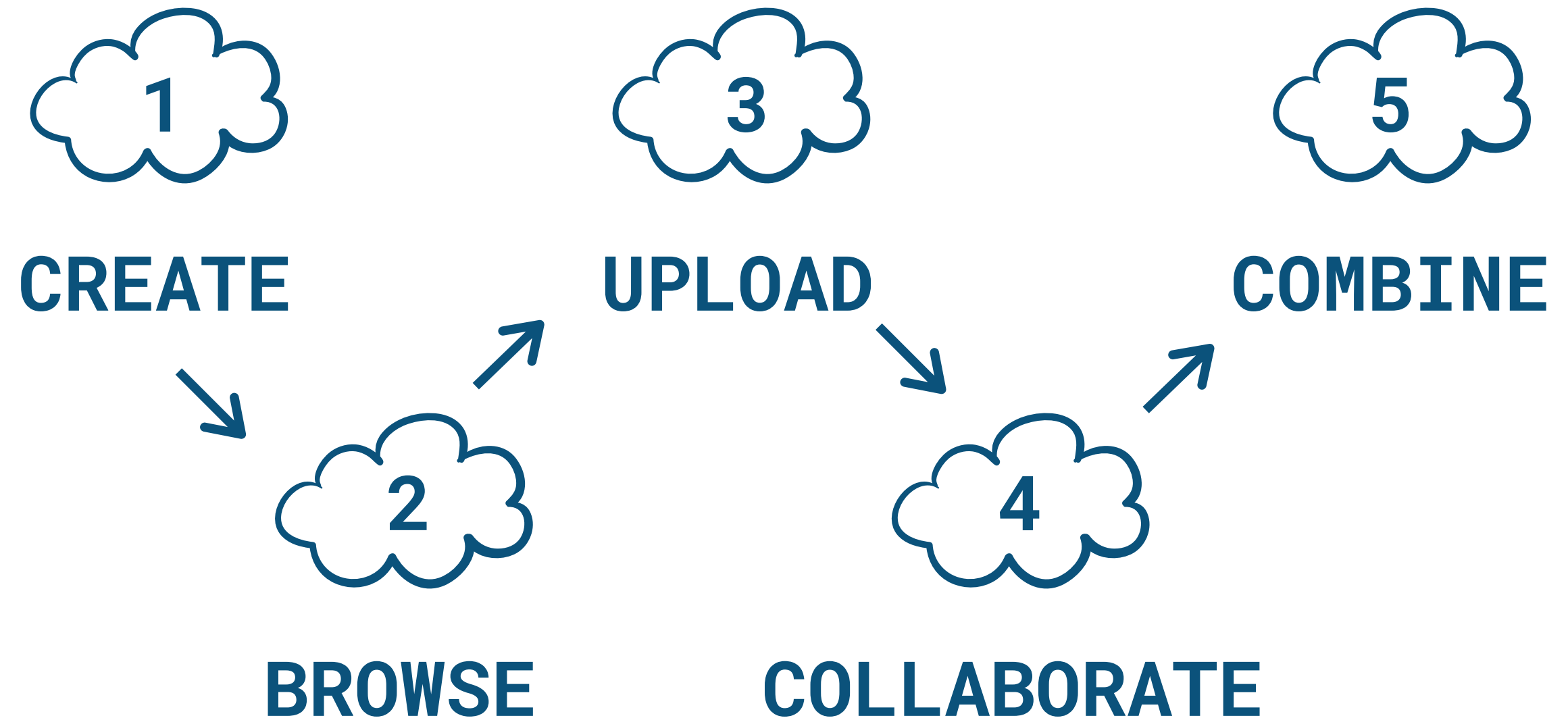
# What is Cloud Ensemble?

- Music collaboration tool
- Short pieces of music
- Combined into full tracks
- Collaborative effort

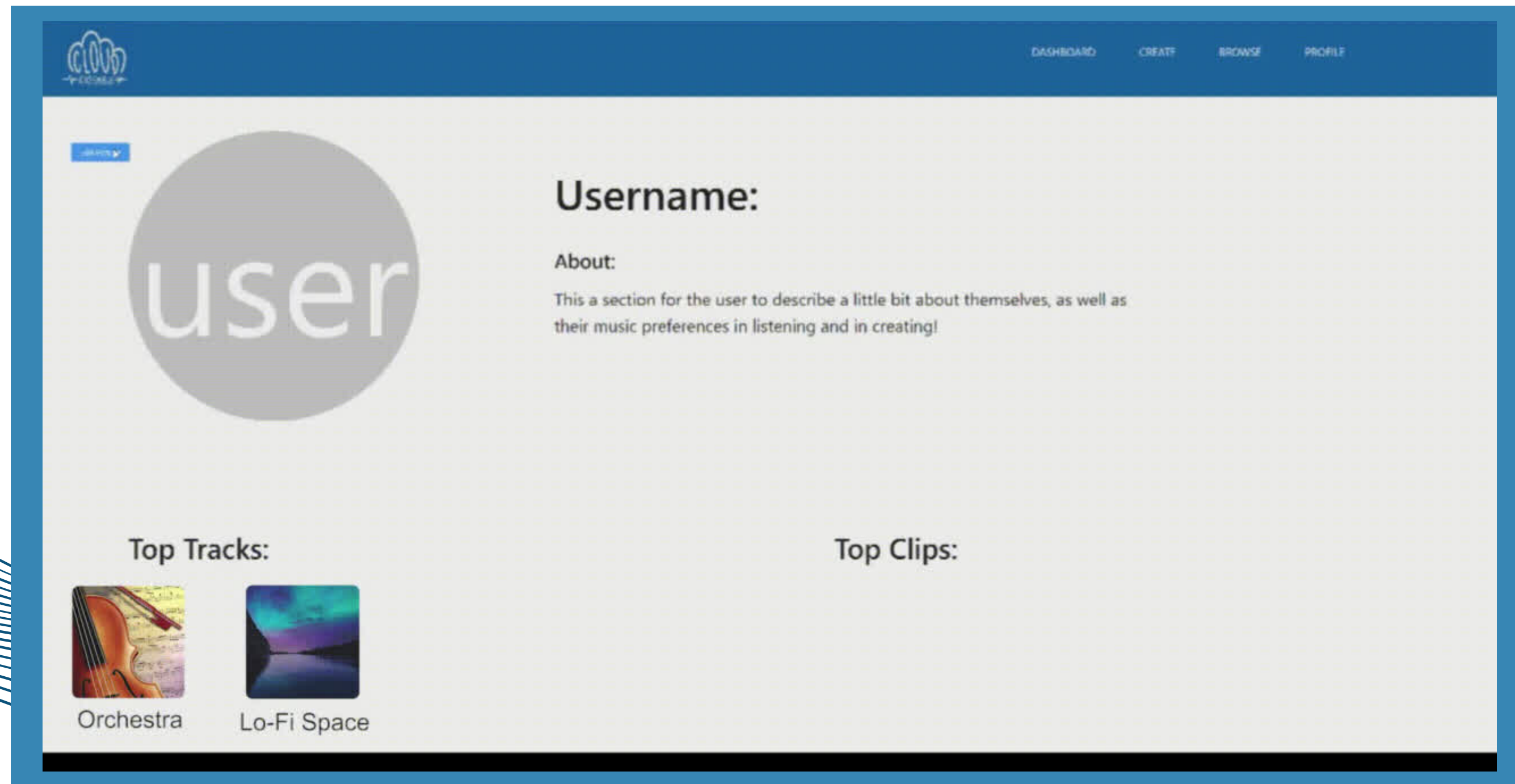




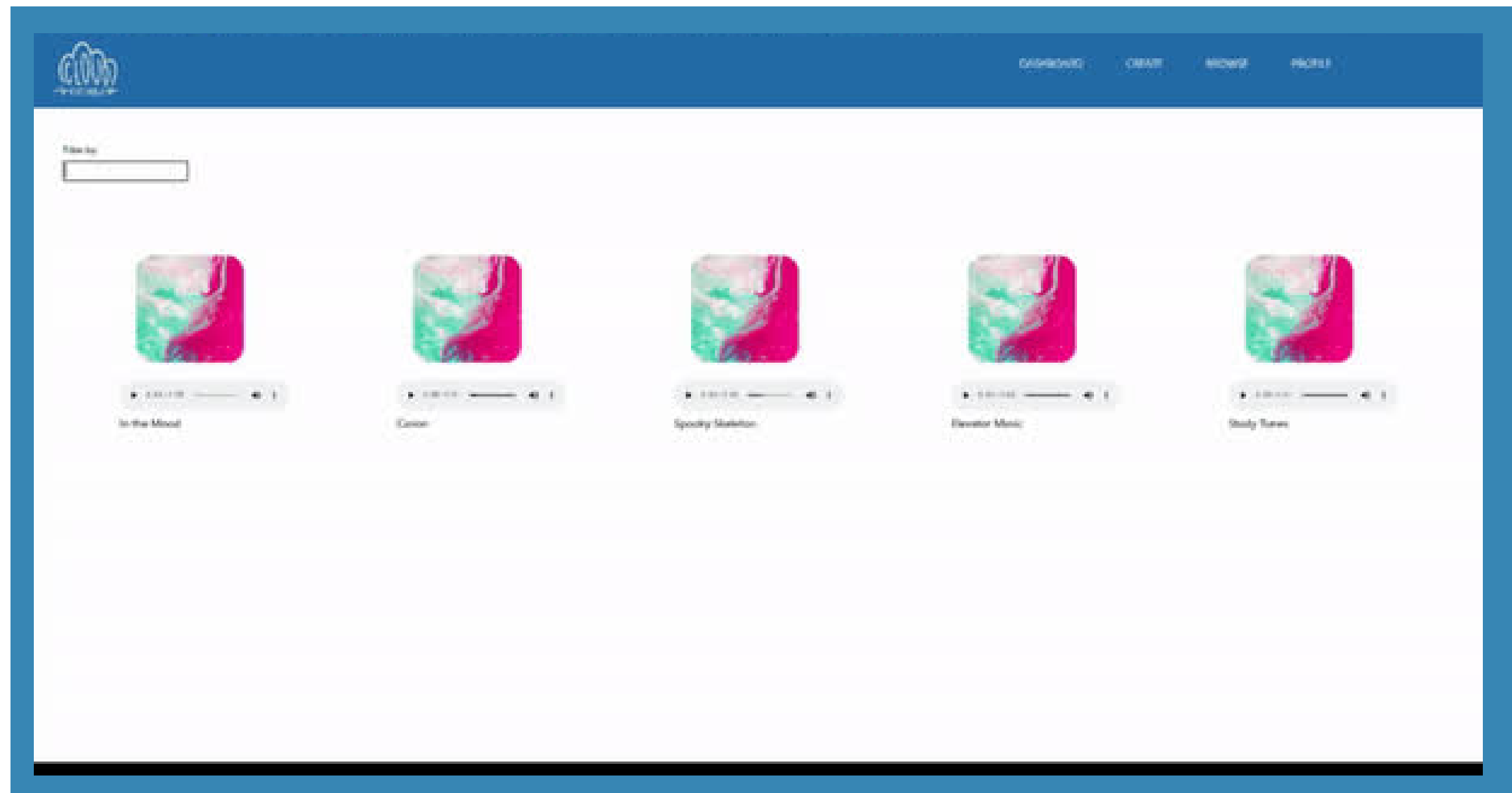
# How Do I Use It?



# CREATE PROFILE



# CLIP SEARCH



# CLIP TAGS

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07

Lo-fi  
Mein.123



▶ 0:00/5:35 ——— 🔊 ⋮

In the Mood

Piano  
Elizabeth



▶ 0:00/0:32 ——— 🔊 ⋮

Canon

Scary  
Undertale  
Joseph



▶ 0:00/0:31 ——— 🔊 ⋮

Spooky Skeleton

Chill  
Piano  
joe



▶ 0:00/1:30 ——— 🔊 ⋮

Elevator Music

Lo-fi  
Chill  
Francisca



▶ 0:00/1:31 ——— 🔊 ⋮

Study Tunes

# COLLABORATION

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08



▶ 0:00/4:09 ——— 🔊 ⋮

Heart and Soul (Left)

- 🏷 Piano
- 🏷 Jocelyn

+



▶ 0:00/4:13 ——— 🔊 ⋮

Heart and Soul (Right)

3600 Miliseconds Delay

- 🏷 Piano
- 🏷 Meinhard

=



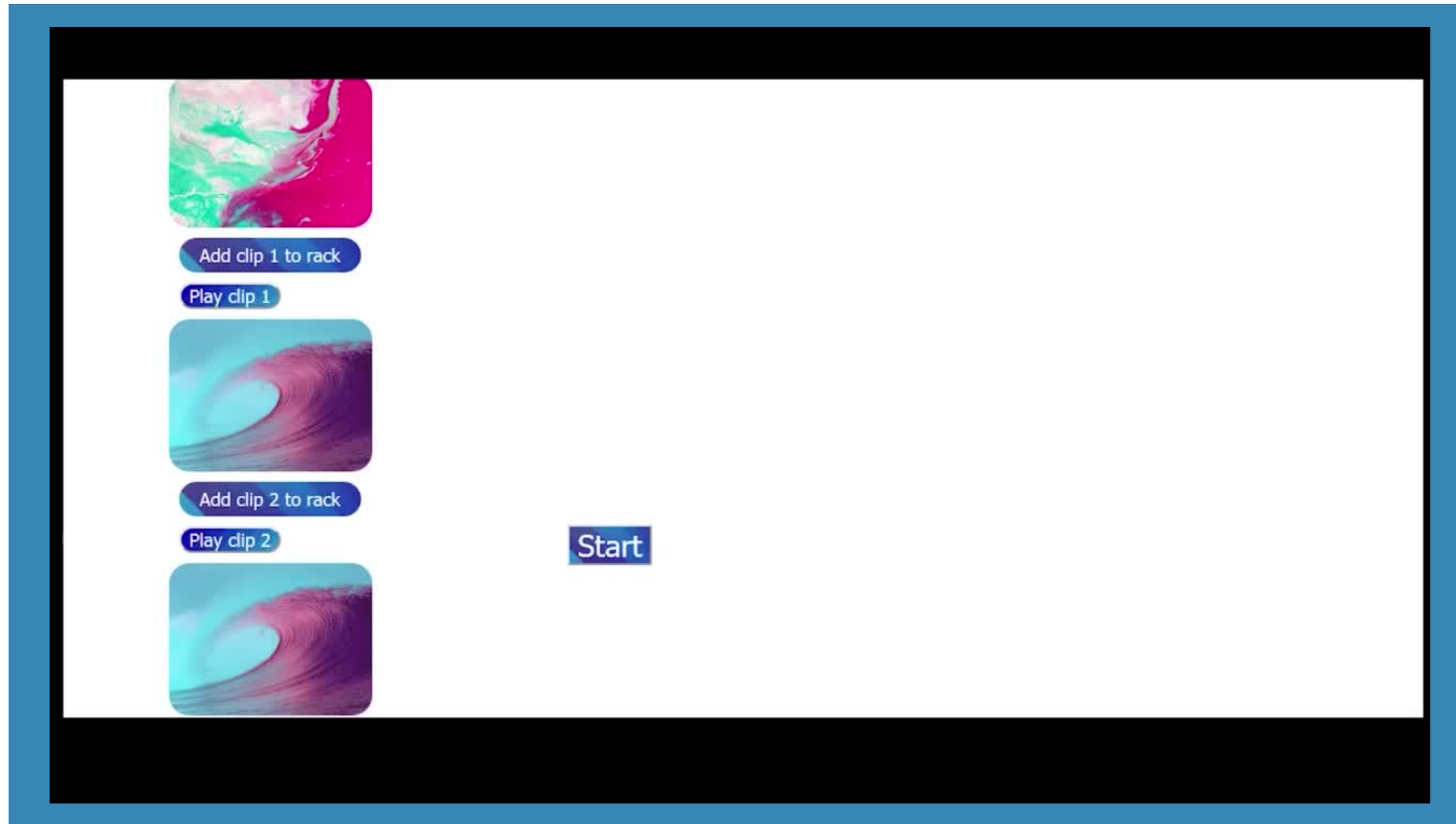
Heart and Soul.mp3



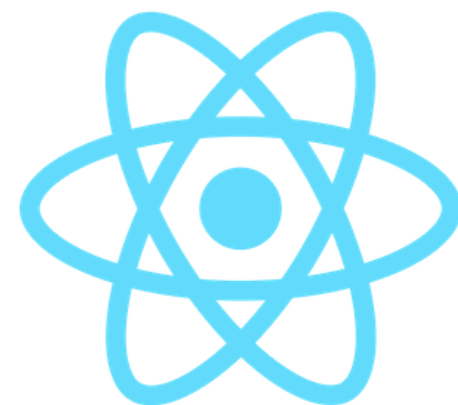
# HEART AND SOUL

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09



# Tech Stack



Front-End



Back-End

# Challenges

## Challenge #1

Using Amazon S3 to  
serve audio files

## Challenge #2

Combining audio  
files into tracks

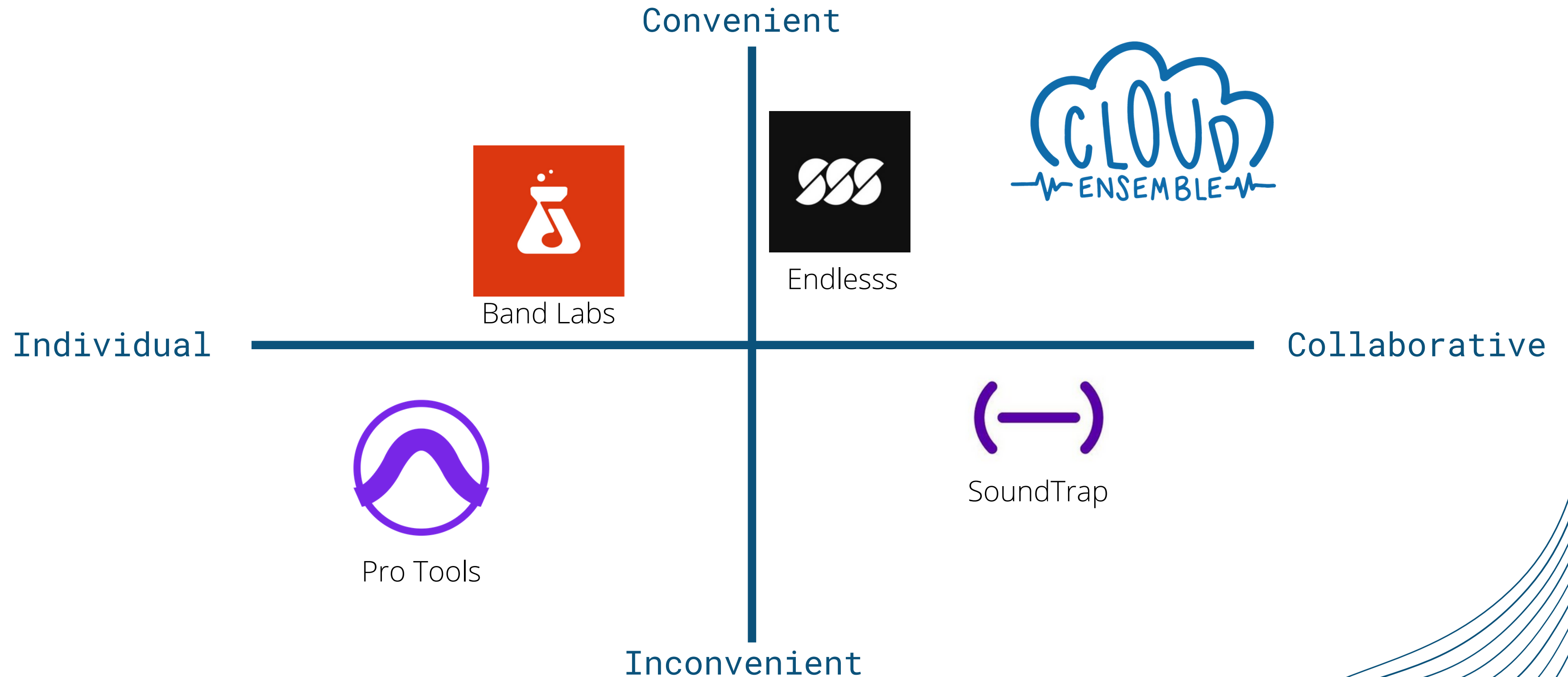
## Challenge #3

Creating a robust  
search query

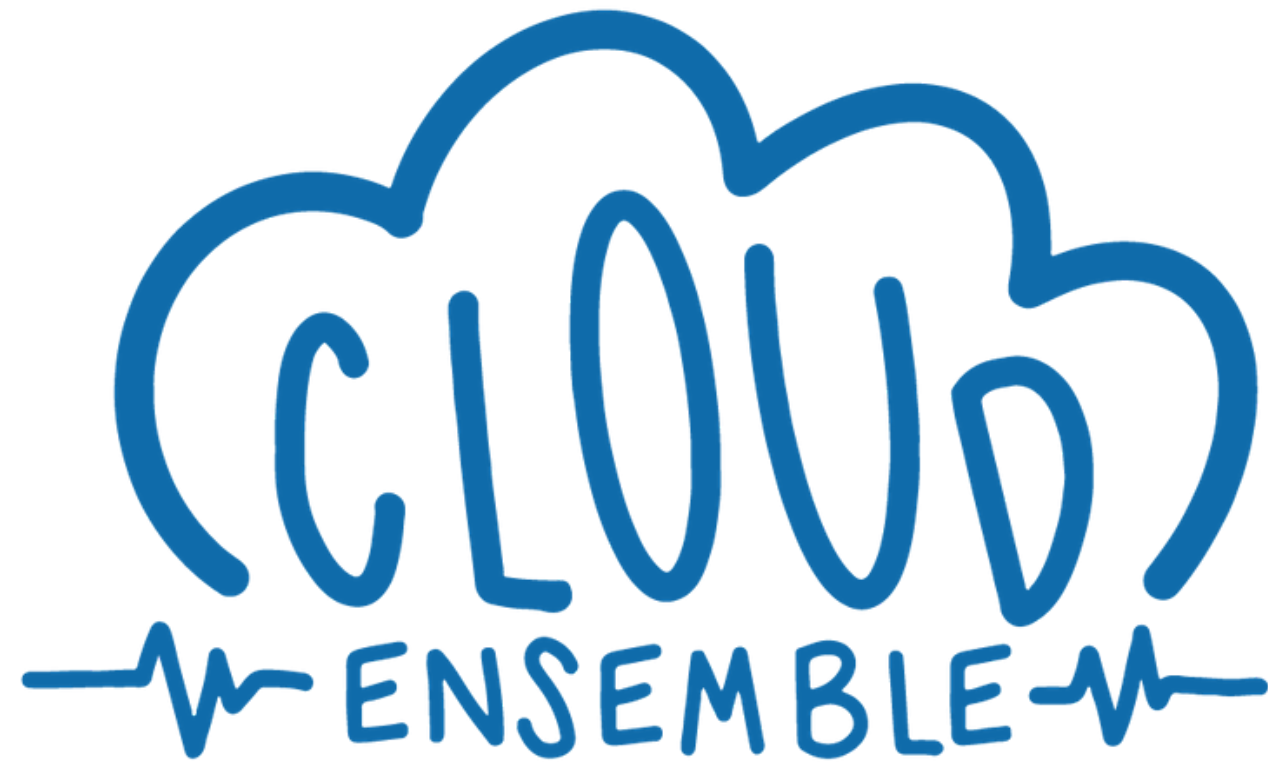
# Competition

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Music  
Collaboration  
Made Easy.  
Questions?