

TEAM shAre





MELODIZE

- PROBLEM
- TASKS
- SOLUTION
- INTERFACE
- DEPLOYMENT
- DISCUSSION

Problem



Availability of music streaming platforms



Problem



Lack of music composition platforms

Problem



No Musical Background?

Problem



Fun & intuitive way to compose



Tasks



Submission of lyrics

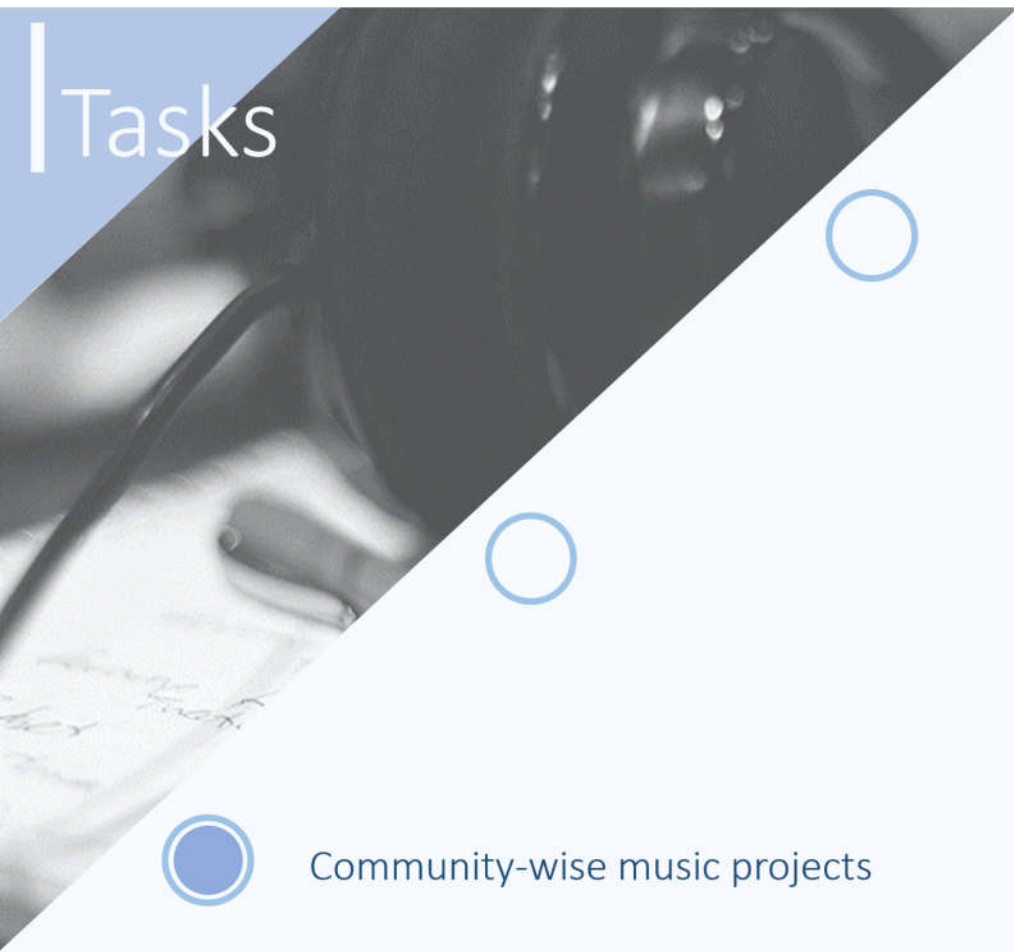


Tasks



Composing melodies to submitted lyrics





Tasks



Community-wise music projects

- Sequentially open one segment of the song at a time to be composed
- Users can listen to previously completed segments
- Once enough users submit to the segment, the segment is closed
- Most chosen note for each syllable is chosen as final note
- Next segment is opened

힘 내 자 - 우 리 는 - 이 긴 다 - 아 자 자 - 카 !

Solution



Quality Control

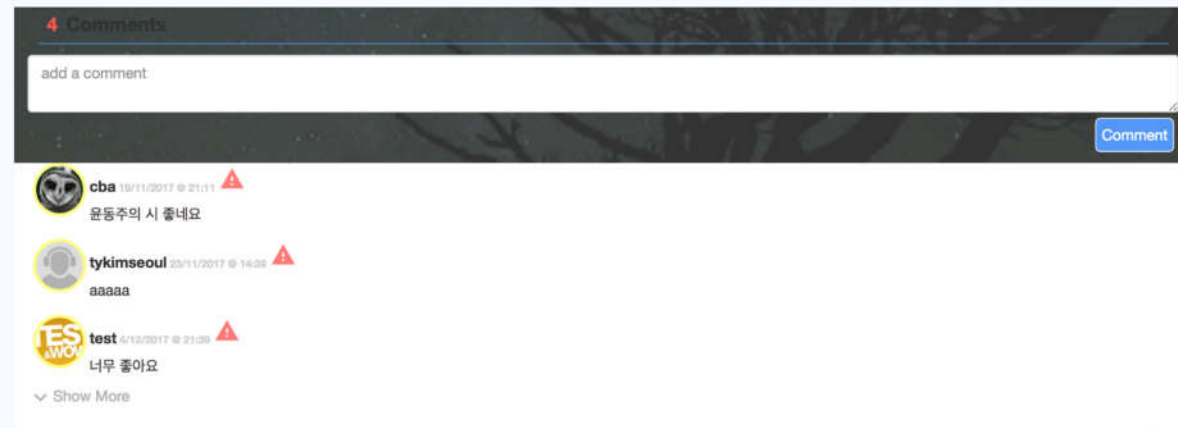
- Controlling the size of the composing window
- By showing the distribution, we are implementing a pseudo voting system
- This lets us control the amount of variation, so as to limit huge fluctuation in note inputs



Solution

Social Interaction

- Commenting
- Users can flag inappropriate comments
 - Flagging a comment will hide it from the user
 - Many flagging of the same comment will hide the comment from every user

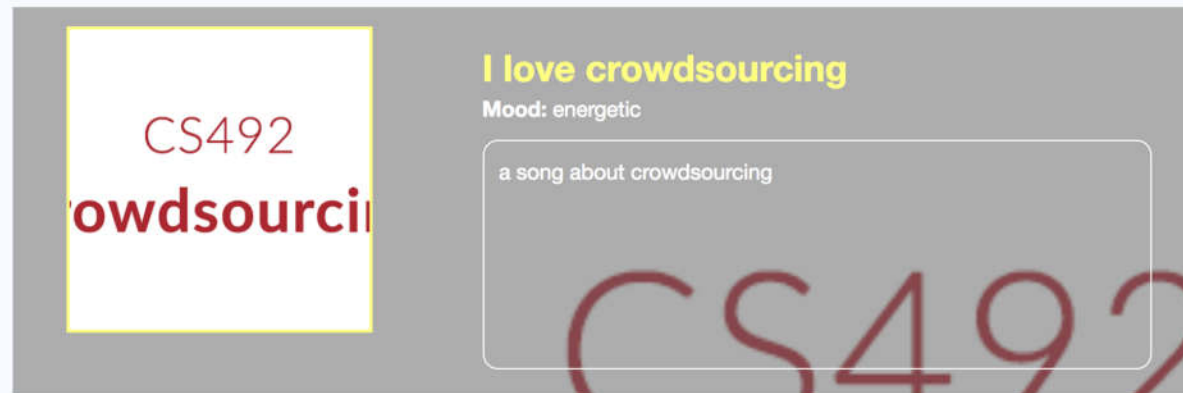


Solution

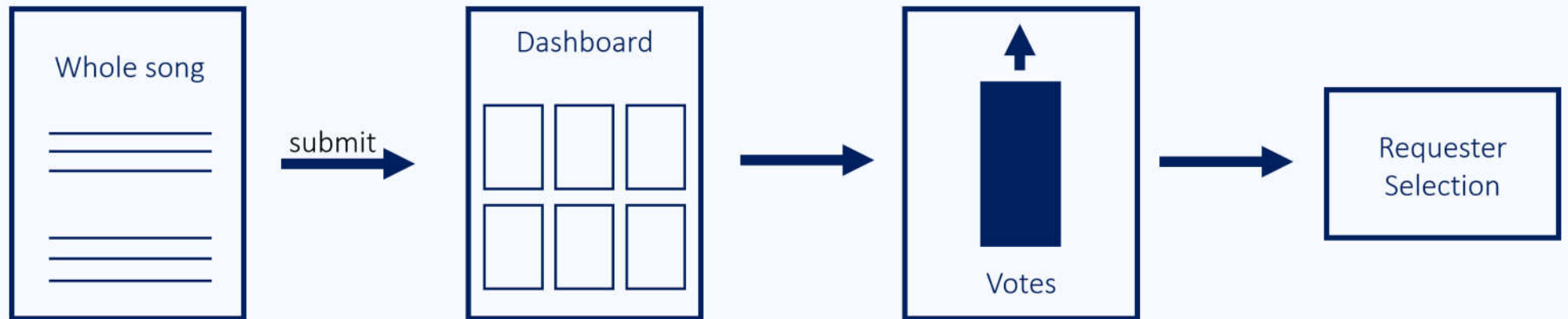


Motivation

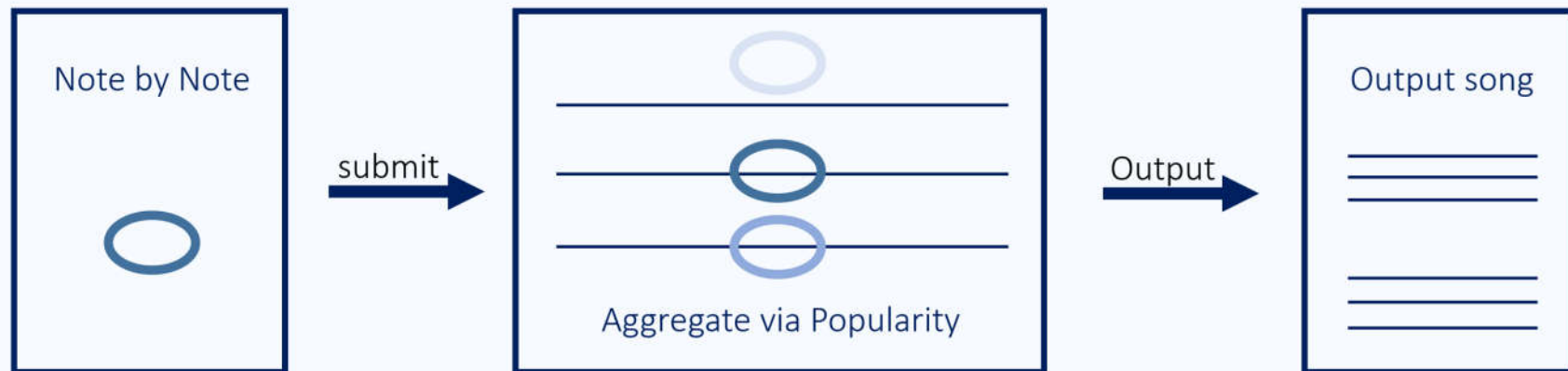
- Fun
- Get melody for lyrics
- Sense of contribution
- Interest in crowdsourced music



Version 1

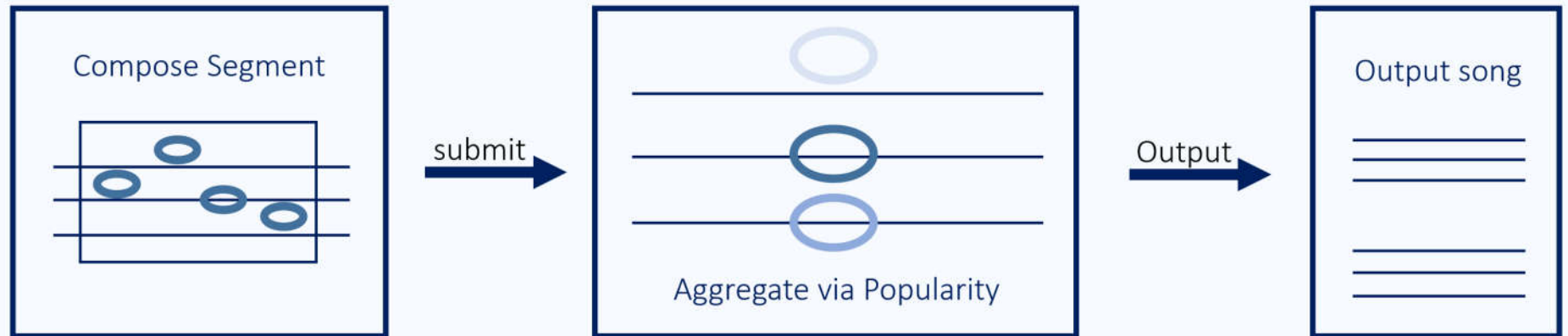


Aggregation Versions



Aggregation Versions

Final Version



Aggregation Versions

Solution



How is it Different?

Based on lyrics, directionality given to workers

Other platforms focus on quality of output, but we focus on experience of the crowd

Gives creative opportunity to workers

Intricate relationship between requester and worker

|Solution



Why is it Better?

Better worker experience

More Freedom

More sense of community and contribution

Interface



Melodize

Home Gallery Sign In

Welcome to Melodize

Listening to your favourite tunes has become easier than ever thanks to the variety of streaming platforms available today. However, it is not so easy for the public to contribute to the music composition process due to the public's lack of expertise in the field and easily available tools; as a result, music composition remains to be a task exclusive to music artists. We want to change that dynamic. We want to make music composition a task available to anyone.

Get the ball rolling

By submitting lyrics to your song

Describe the mood, tone, and theme of your song
Watch the progress of the composition in real time

SUBMIT LYRICS

Hello, welcome to Melodize

The screenshot shows a web form titled 'Melodize' with a navigation bar containing 'Home', 'Gallery', 'Profile', and 'Sign In'. The form is divided into several sections: 1. YOUR LYRICS (with a text area containing lyrics about a coastal scene), 2. INSTRUMENT (with radio buttons for Piano, Violin, Flute, and Guitar), 3. ALBUM COVER (with a URL input field and a preview image titled 'THE COAST'), 4. TITLE (with a text input field), 5. DESCRIPTION (with a text input field), 6. MOOD/TONE (with a text input field), and 7. SETTING (with radio buttons for Public and Private, and a password input field). A green 'Submit' button is at the bottom right.

Deployment

Statistics

Total Users:

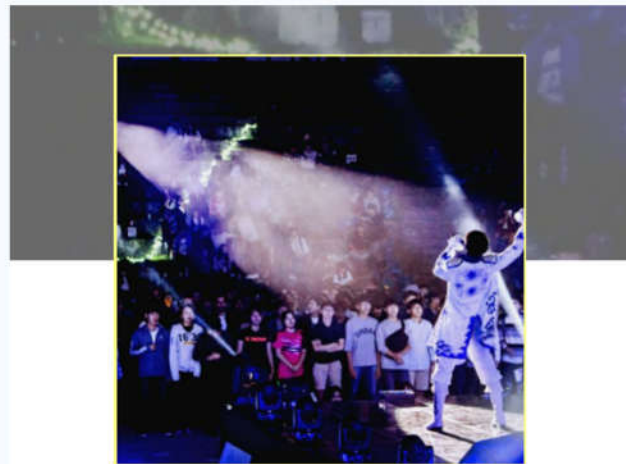
88 users

Requests:

13 lyrics

Completed:

2 songs



KAIST Anthem

베토벤곡을 사용하고 있는 카이스트 응원가를 위해 새로운 멜로디를 만들어 주어 리메이크를 하는 프로젝트입니다.

Instrument: piano

Mood: Energetic, rousing, passionate.

No. of participants: 35

Requester: crowdworker

▶ ■ (16 sec)



사랑

Participants: 28
59% completed



사랑의 기억은 흐려져 간다

Participants: 19
5% completed



진달래꽃

Participants: 18
9% completed



KAIST Anthem

Participants: 17
15% completed



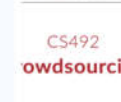
하얀팔

Participants: 14
40% completed



월요일 좋아

Participants: 2
0% completed



I love crowdsourcing

CS492
owdsourci
Participants: 1
0% completed



STUFF

Participants: 1
0% completed



자발적 솔로

Participants: 0
0% completed



Life is a *


Participants: 0
0% completed

Deployment



서시

윤동주 시인의 서시

 40
Participants

 48
Total Notes

 test
Requester

Range





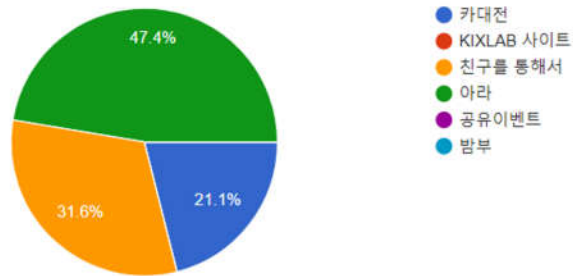


죽 - 는 - 날 - 까 - 지 - 하 - 늘 - 을 - 우 - 러 - 러 - 한 - 점 - 부 - 끄 - 럼 -

Deployment

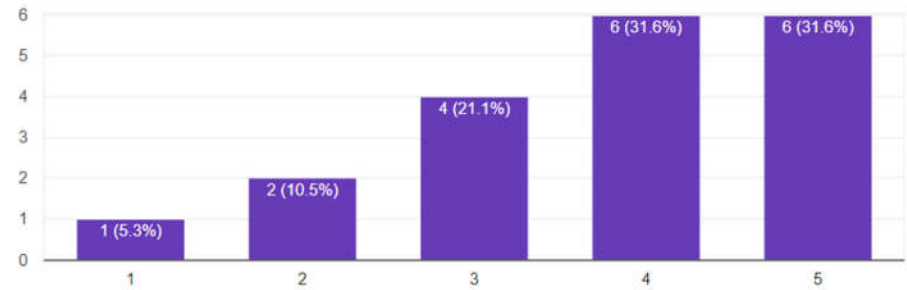
어떤 경로로 이 플랫폼을 알게 되셨나요?

19 responses



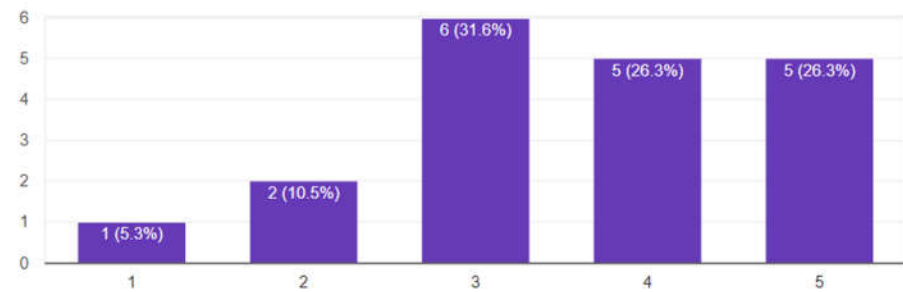
사이트에 처음 들어와서 작곡까지 마치는데까지 불편함이 있었나요?

19 responses



한 곡을 마친 후, 다시 다른 곳에 참여하기까지 불편함이 있었나요?

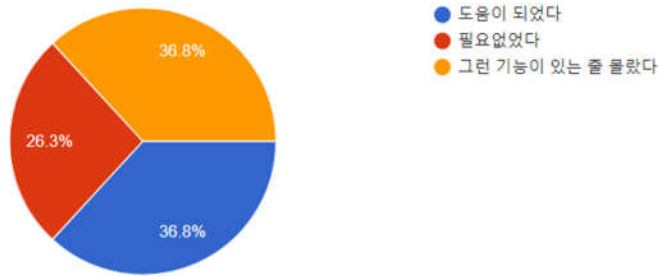
19 responses



Deployment

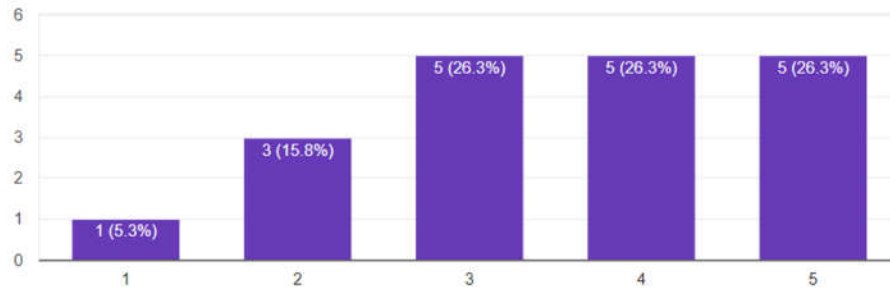
Distribution 기능이 작곡하는데 있어서 도움이 되었나요?

19 responses



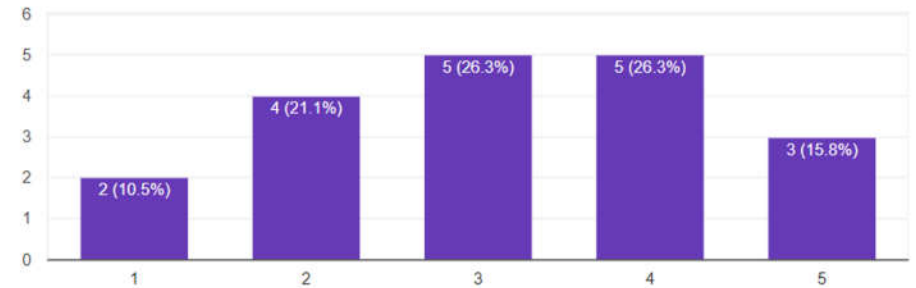
Range 버튼이 직관적이고, 사용하기 쉬웠나요?

19 responses



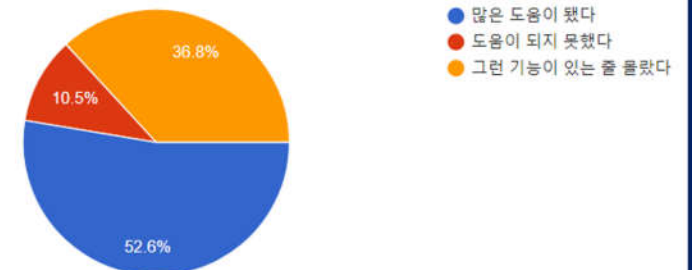
현재 8개의 음표를 입력하실 수 있는데, 작곡을 하시는데 얼마나 충분하십니까?

19 responses



튜토리얼이 UI를 이해하는데 얼마나 도움이 되었나요?

19 responses



Discussion

Limitation Less focus on output quality

Implication Quality of final song is diminished

Improvement More strict quality control
Reputation system? More concrete reward system?



Discussion

| | |
|-------------|--|
| Limitation | No flats, sharps, and only one octave range |
| Implication | Users have limited options when composing |
| Improvement | Expand platform to support more indepth music theory |



Discussion

More
Improvements

Add secondary task (adjust lyrics to fit the melody); Can we get critical mass?

Implement a point system

