

# Optional

Sunday, November 6, 2022 10:03 AM

## Karaoke (Ordered by priority)

- Lyrics
  - User-story: I want to see the current line where the song is being played.
- Sing alone
  - User-story: I want hear my voice from my earphones while I am singing along with the music, so that it helps me sing more accurately, makes me feel like professional singers. (In-ear monitors)
  - Add-on:
    1. Record what I have sung and save it with the music -> my own masterpiece  
Problem: Is it possible to find background music for every song?
    2. Add vocal effect to my voice  
Based on #1. Add reverberation effect of different environments, as if it is in a concert hall, a cathedral etc.  
(<https://docs.zegocloud.com/article/4915>)  
(<https://developer.android.com/reference/android/media/audiofx/PresetReverb>)
    3. Send my masterpiece to friends, based on #1.
- Sing together
  - When it comes to music sung by multiple singers, (deut... etc.)
    1. The lyrics should already mark parts of different singers.
    2. A host can invite 1 or more friends to sing together. -> synchronized playback
    3. The host side records the music and can add reverb on it.
    4. Participants can give a "thumb up" to each other.

## Some other Kleinigkeiten:

WHAT	WHERE TO IMPLEMENT
Search history	In main screen -> search (song) box
Listen history	In smiley face -> logged in -> settings (Add-on: categorize entities by month)
Notifications <ul style="list-style-type: none"><li>• Receive an invitation</li><li>• Receive chat messages</li></ul>	In Friends-screen -> search (friend) box In Friends-screen -> chat box
Start where you left off	General, send timestamp to databank?
Upload new songs (Only certificated users (musicians) can upload songs to the server/public. )	In smiley face -> logged in -> settings
Switch languages	In smiley face -> logged in -> settings
Turn on/off notifications	In smiley face -> logged in -> settings