

Cenice

- HMW ① Music Finding:
- does it let you narrow search, male/female singers, genre... etc
 - Does it have a data base of notes to ^{reference specific melodies}
- HMW ② Speculative Wall painting
- Does it have a feature for measuring walls
 - Can you move items that are being projected?
 - ↳ like are there motions the app recognizes... etc.

→ perhaps it allows you to bring up virtual piano and play it

HMW...

- ① HMW visualize the match % of songs to searches?
- ① HMW encourage the user to improve their search query if no matches are found?
 - ↳ Ex. "Hum louder!"
 - ↳ Ex. "Enter more lyrics"
- ① HMW enable users to add songs quickly to their personal library once they're successfully found?
- ② HMW allow users to create animated drawings?
- ③ HMW allow users to collaborate on a drawing?

Anita

- ① HMW have users contribute to the sound/music library to expand it?
- ① HMW use this idea on different devices, like a smart watch?
- ① HMW include an analysis software that looks at your drawn notes/dashes and tell you what song that is?

Janette

1) HMW integrate the melodies of each song into the database.

2) HMW add an AR aspect to this?

1) HMW keep track of a list of songs that you find?

2) HMW add objects to this concept rather than just painting.

IAN ORDEN

GENICE

TOPIC 2

madison

(super cool idea)

HMW ... gamify the wall projection for children's learning?

HMW → connect to a phone to project presentations / interactive touch.

Genice
Music Finding

Jayde

HMW —

- Account for different music. skill levels/singing ability/etc.?
 - ~~→ Affordability~~
 - Allow users to connect streaming services/music libraries for a personal database?
 - Provide incentive for users to return? (ex. you searched for x, you might like y)
- wall painting
- Account for non-white surfaces?
 - Allow users to find inspiration or share ideas?
 - Integrate with education technologies for teachers?
 - Save creations for later or to print?

GENICE
~~~~~

MUSIC

HMMW

↳ ENCOURAGE  
USERS TO SHARE  
FOUND MUSIC

SPECULATIVE WALL  
PAINTING APP

HMMW

↳ HARNESS THIS TECHNOLOGY  
FOR INTERIOR DESIGN

HMMW

↳ USE THIS TECH FOR  
ART THERAPY + MINDFULNESS

Philippe

Genève

# Sound App

(future)

- H M W - create an app that suggest Lyrics
- Pronostic according of the voice?
  -

# Wall painting app

- H M W create a app from the phone to
- preview live wall drawing with vector?
- H M W can save those for print purpose
- H M W create an application to live draw to large surface from the phone?

Hmw - Genie

Ben

① Hmw: allow users to explore similar sounding music  
& broader tastes

Hmw: differentiate between covers

Hmw: link w/ music apps to make playlists

② Hmw: apply it to a ~~new~~ ~~existing~~ business that can  
monetize its features?

Genice

Riley

## HMW Song

- let the user sort through various songs similar to what they heard
- search key words or phrases along with the melody you remember.
  - ↳ so add multiple search terms
- send out request to friends, one of them might know the song
- create an online music community of ppl helping each other
  - ie. post a humming + crowd source answer

## HMW Wall Painting

(last resort)

- create simple user controls
  - ↳ through app or touch?
- consider use circumstances, if its projected does it only work in the dark?
- use it for interior design by sampling colours from surrounding furniture?
- reminds me of smartboard technology,

HMW

FROM: FRANKIE

IDEA 001

- ↳ HMW crowd-source obscure music knowledge to develop recognition?
- ↳ HMW differentiate hums into the patterns of recognizable songs?
- ↳  $\emptyset$

IDEA 002 → ex: Microsoft Dream Alive

- ↳ HMW simulate the placement of decorations, furniture, and texture corresponding to planning the space around the wall
- ↳ HMW create unique haptic / physical gestures and interactions to control the wall FROM the wall?
- ↳ HMW simulate room lighting on the wall, and make it seamless?



Gchandra from Kher Van

### music finding

HMW find a song through lyrics  
or guitar riffs

HMW can go beyond music  
and match speeches or  
lines from movies.

### Wall painting app

HMW on AR environment or video

~~large scale~~ UI

changing the environment for a game

HMW a system or app to update walls  
in a house

HMW draw live.

HMW

FOR GENTEE

Jeon Kim

#1 List the language, genre  
date, artist and any related socials  
Verified by the artist?

#2 Adjusts to the room's existing lighting

↳ ~~VR~~ Virtual reality  
tool for interior designing

(Genice)

## MUSIC APP

- > how might we help users find their song if they don't know music theory or how to play the piano
- > how might we use snippets of lyrics to find songs