



Hi, everyone



Final Presentation



Group 15's member

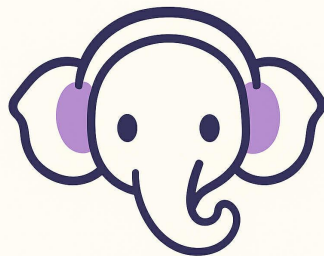
660610738 Korn Sriwattana	sec 003
660610779 Pimolnat Kaewboot	sec 003
660612137 Kachapat Punthong	sec 803
660610863 Yada Pholam	sec 003





Music Community Service

เว็บไซต์สำหรับฟังเพลงที่ให้ผู้ที่ใช้ที่รักการฟังเพลงสามารถเล่นเพลงได้เต็มรูปแบบ สร้างและจัดการเพลย์ลิสต์ส่วนตัว อีกทั้งยังเป็นศูนย์รวมสำหรับสร้าง community ของเด็กมข. ที่มีรสนิยมการฟังเพลงคล้ายกัน ซึ่งสามารถเข้าร่วมห้องฟังเพลงร่วมกันแบบ real-time และพูดคุยแลกเปลี่ยนความคิดเห็นเกี่ยวกับเพลงและอื่น ๆ ได้



Lukchang vibe

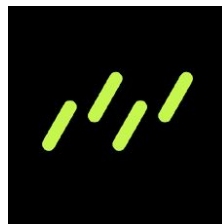
Technology Stack



Language



Database



ORM



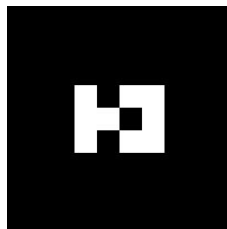
Backend



Backend



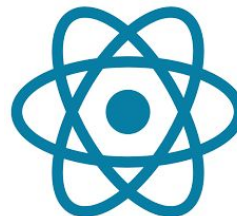
Authentication
(Hashing Password)



Authentication



Music API



Frontend



Frontend



Testing



Database

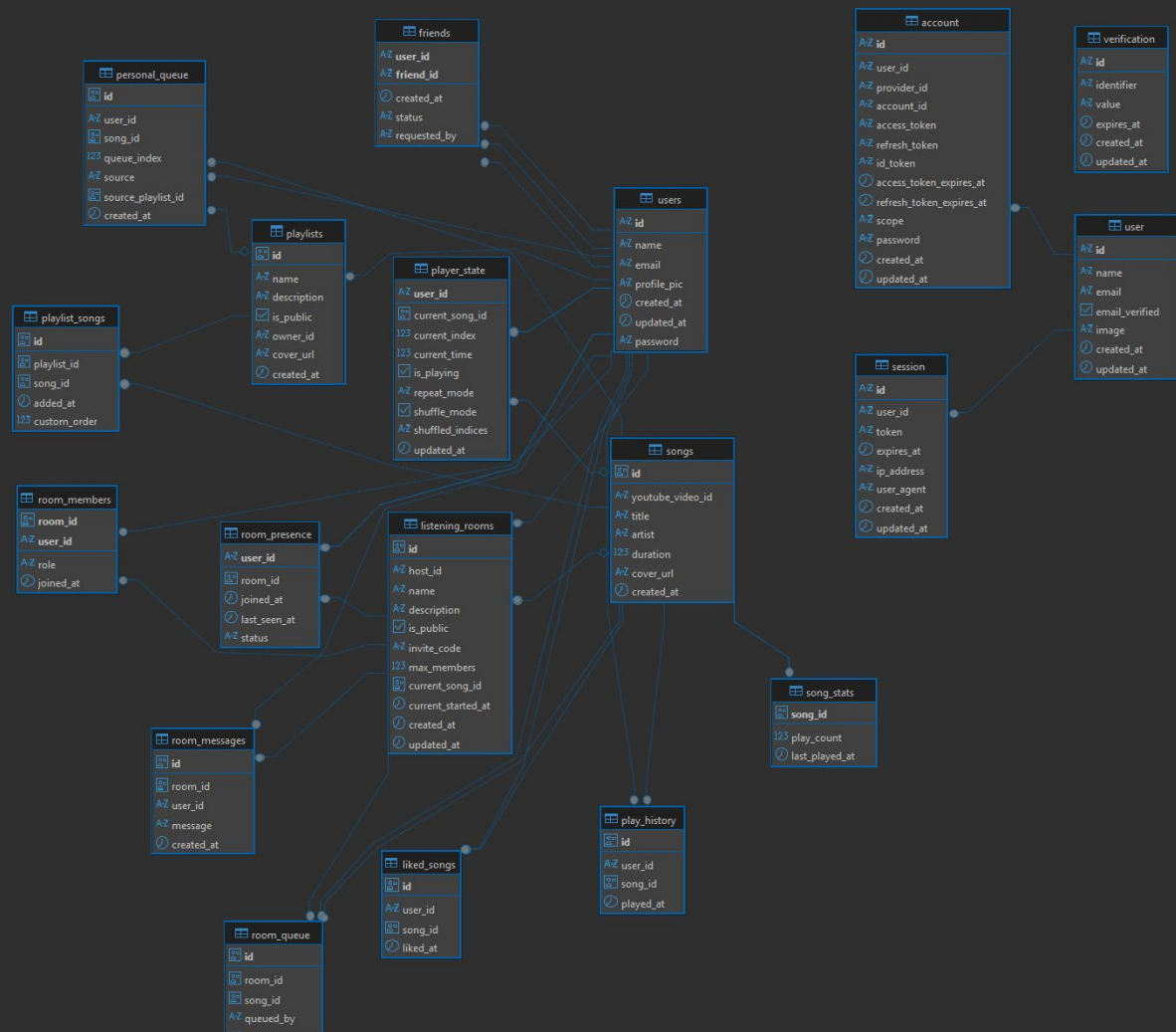


PostgreSQL



Drizzle ORM

โครงสร้างข้อมูล



Backend

ใช้ Framework อะไร

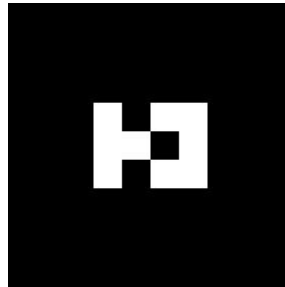
มี Endpoint อะไรบ้าง (สามารถอธิบายจาก Code หรือเขียน Diagram)



Express



Authentication
(Hashing Password)



Better-Auth



Youtube Player Api,
Youtube Data Api v3



Websocket



Backend: Endpoint

มี Endpoint อะไรบ้าง

1. User API

Authentication & Profile; /api/*

Friend System; /api/friends/*

2. Music Streaming API

Personal Player; /player/*

Playlist; /playlists/*

Liked Songs; /liked-songs/*

Songs & Popular; /songs/*

Image Upload; /upload/*

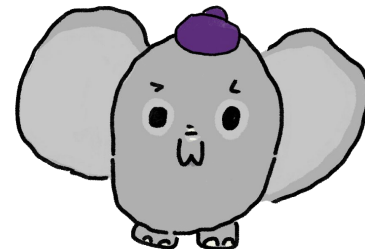
3. Community API

Rooms & Queue; /rooms/*

Chat; /chat/*

Real-time features

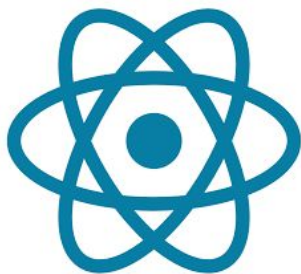
WebSocket Events; socket.io





Frontend

ใช้ Framework อะไร



React



Vite

อธิบาย Structure ของ Code คร่าว ๆ

```
export default function App() {  
  <div className="app-container">  
    {!isSignin && <Topbar onToggleSidebar={() => setCollapsed((v) => !v)} />} />  
  
    <div className={`app-body ${!isSignin && collapsed ? "collapsed" : ""}`>  
      {!isSignin && <Sidebar collapsed={collapsed} />} />  
  
      <main className="app-main">  
        <Routes>  
          <Route  
            path="/"   
            element={   
              <Home queue={globalQueue} currentIndex={globalCurrentIndex} />  
            }  
          />  
          <Route path="/signin" element={<Signin />} />  
          <Route path="/likedsongs" element={<LikedSongs />} />  
          <Route path="/playlist" element={<Playlist />} />  
          <Route path="/lokchangrooms" element={<LokchangRooms />} />  
          <Route path="/profile" element={<Profile />} />  
          <Route path="/friends" element={<FriendsPage />} />  
          <Route path="/friends/:id" element={<FriendProfile />} />  
        </Routes>  
      </main>  
    </div>  
  </div>  
}
```



Testing

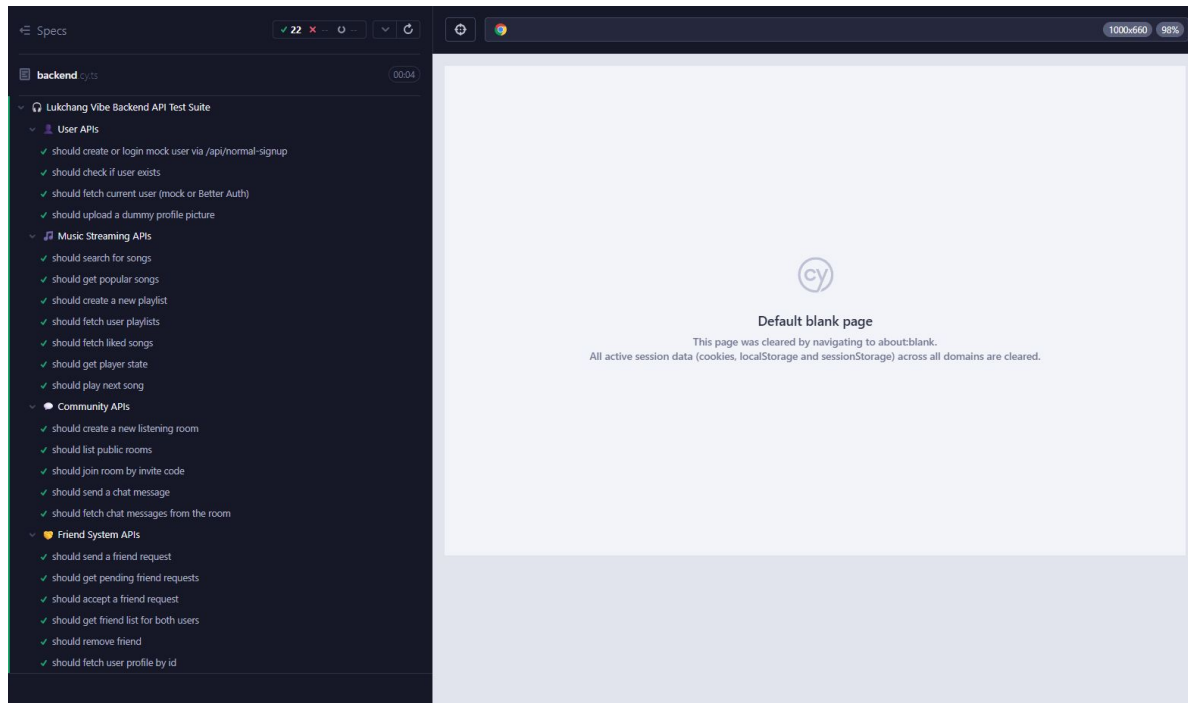
ใช้ Framework อะไร

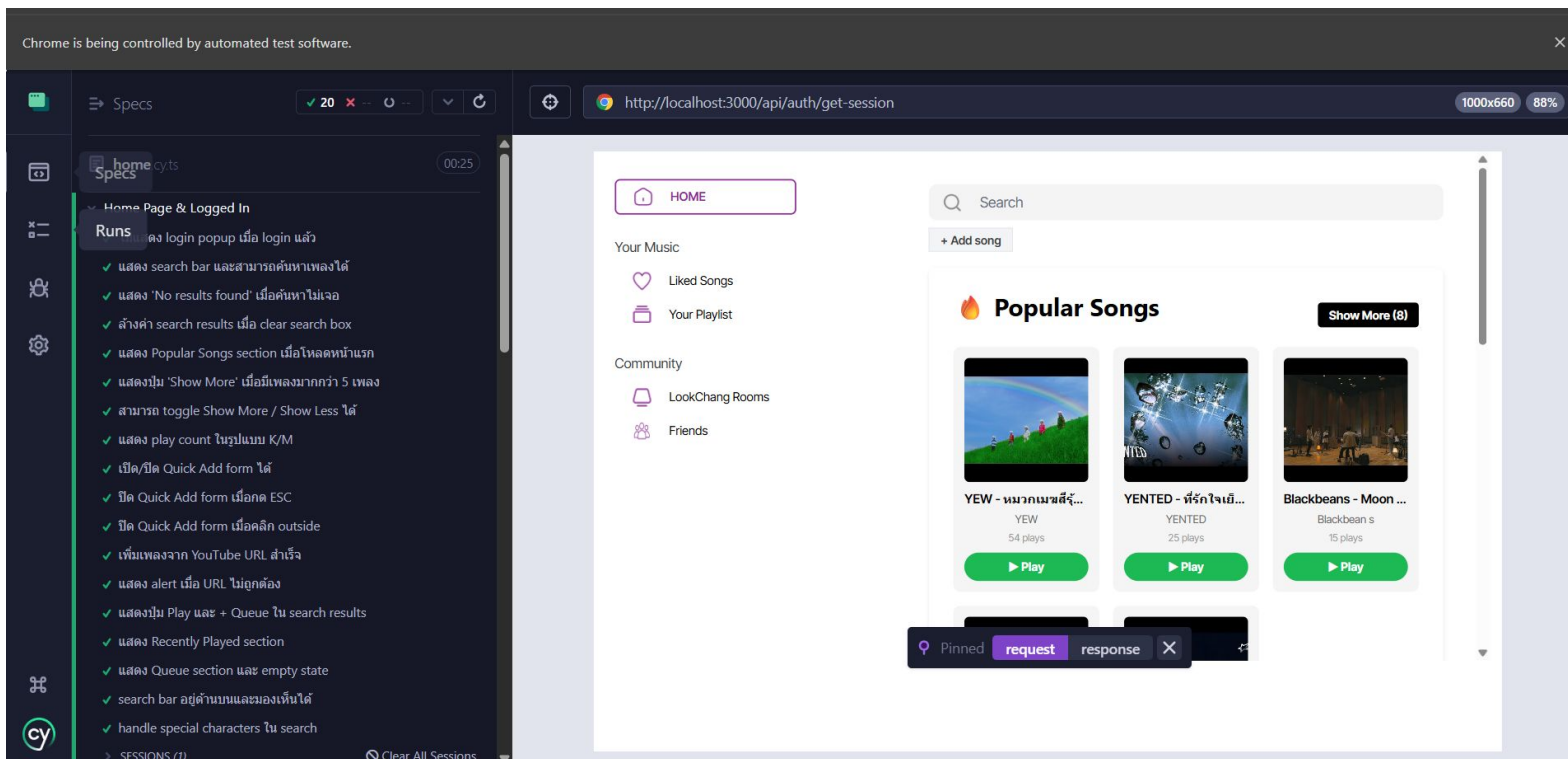
มี การ Test API อะไรบ้าง

มี การ Test UI อะไรบ้าง




Cypress









Testing


 Specs ✓ 8 ✗ -- ⌂ -- ⌵ ↺


 **Playlist** cy.ts 00:09

Playlist Page - Logged In

- ✓ แสดง Playlist page correctly
- ✓ สามารถสร้าง playlist ใหม่
- ✓ สามารถเปิด playlist detail view และแสดงรายการเพลงที่ถูกต้อง
- ✓ สามารถเปิด playlist detail view และแสดง 'No songs in this playlist' เมื่อไม่มีเพลง
- ✓ สามารถลบ playlist
- ✓ สามารถค้นหา playlist
- ✓ สามารถกดเล่น playlist ได้
- ✓ แสดงว่า your playlist is empty เมื่อไม่มี playlist





 Specs ✓ 4 ✗ -- ⌂ -- ⌵ ↺


 **LikedSongs** cy.ts 00:04

Liked Songs Page - Logged In

- ✓ แสดง LikedSongs page correctly
- ✓ should display all liked songs
- ✓ should remove a song when heart button is clicked
- ✓ should show empty state when all songs are removed



 Specs ✓ 7 ✗ -- ⌂ -- ⌵ ↺


 **Friend** cy.ts 00:16

Friend and FriendProfile Pages

- ✓ should display friend requests and friends sections
- ✓ should search for users correctly
- ✓ should send a friend request
- ✓ should accept and reject friend requests
- ✓ should navigate to friend profile when clicking a friend

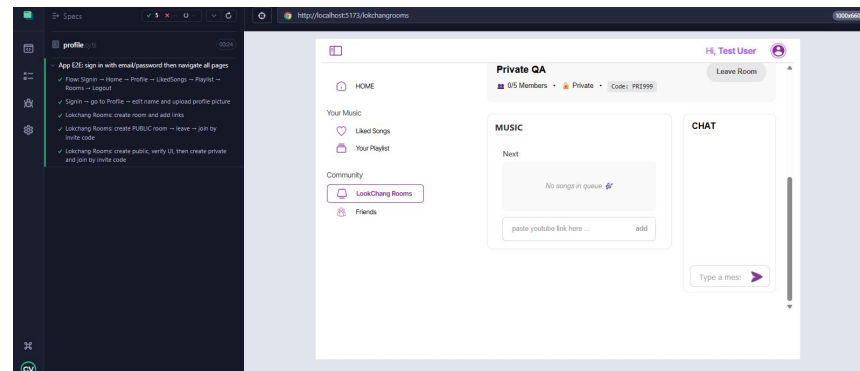
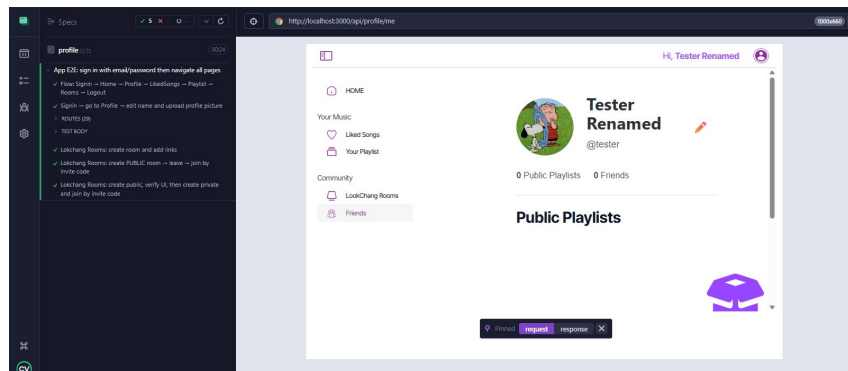
FriendProfile Page

- ✓ should display friend profile info
- ✓ should open and display playlist details





Testing

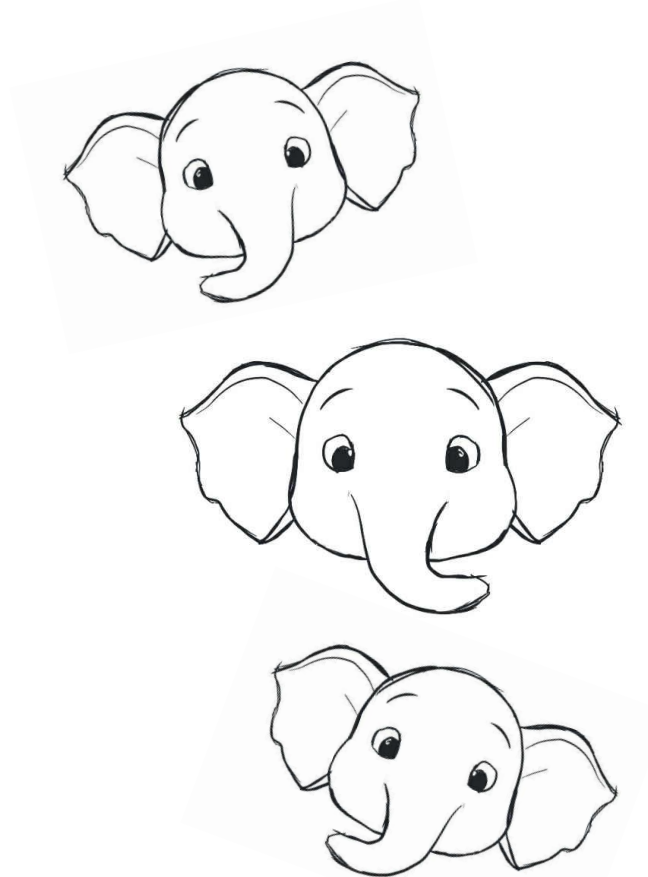




Features : music streaming

Music streaming

- Play musics (Next,Previous,Loop)
- Add music to queue
- Popular Songs
- Recently Played
- Add,delete music to playlist
- Create playlist (Name,description,photo, private or public)
- Public & Private playlist
- Favorite playlist
- Search & Add songs
- Shuffle (in playlist)
- Sort & Custom music's order in Playlist





Hi, bee



HOME



Search

+ Add song

Your Music



Liked Songs



Your Playlist

Community



LookChang Rooms



Friends



Popular Songs



ROSÉ - 'EYES CLO...

BLACKPINK
1 plays

▶ Play



ห้างโล - Only Monda...

GeneLab
1 plays

▶ Play



Ariana Grande - th...

Horknee Remixes
1 plays

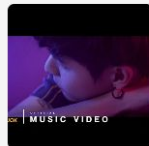
▶ Play



BENZKHAOKHWA...

QWIN LABEL
1 plays

▶ Play



THE TOYS - 04:00

Whattheduck
1 plays

▶ Play

Recently Played

Home Page



Hi, bee



HOME

Your Music



Liked Songs



Your Playlist

Community



LookChang Rooms



Friends

Recently Played



Ariana Grande - the boy is mine (Jiafei remix)

Horknee Remixes

Play



BENZKHAOKHWAN - FAKE NEWS (หนึ่งด้าวฟ้าเดียว ?) | Official MV

QWIN LABEL

Play



ROSÉ - 'EYES CLOSED (Halsey)' COVER

BLACKPINK

Play



THE TOYS - 04:00

Whattheduck

Play



จิ้งจอก - Only Monday | Official MV

GeneLab

Play

Queue (1 songs)

1



Ariana Grande - the boy is mine (Jiafei remix)

Horknee Remixes



Hi, bee



HOME

Your Music



Liked Songs



Your Playlist

Community



LookChang Rooms



Friends



PLAYLIST

Liked Songs

bee • 2 songs



Sort by:

Date Added ↓

Title

Artist

Duration

1



BENZKHAOKHWAN - FAKE NEWS (เบคเล่าข่าว ?) | Official MV
QWIN LABEL

Oct 14, 2025

3:35

Play

+ Queue

+ Playlist



2



THE TOYS - 04:00
Whattheduck

Oct 14, 2025

4:30

Play

+ Queue

+ Playlist



ROSÉ - 'EYES CLOSED (Halsey)' COVER

BLACKPINK

+ Playlist



0:00

3:34

Liked Songs Page



Hi, bee



HOME

Your Music



Liked Songs



Your Playlist

Community



LookChang Rooms



Friends

Your Library



Search

+ Create

Playlists (2)



Bee's playlist

3 songs

hahaha



ของผ่่มคืบ

2 songs



Ariana Grande - the boy is mine (Jiafei remix)

Horknee Remixes

+ Playlist



0:00

3:34

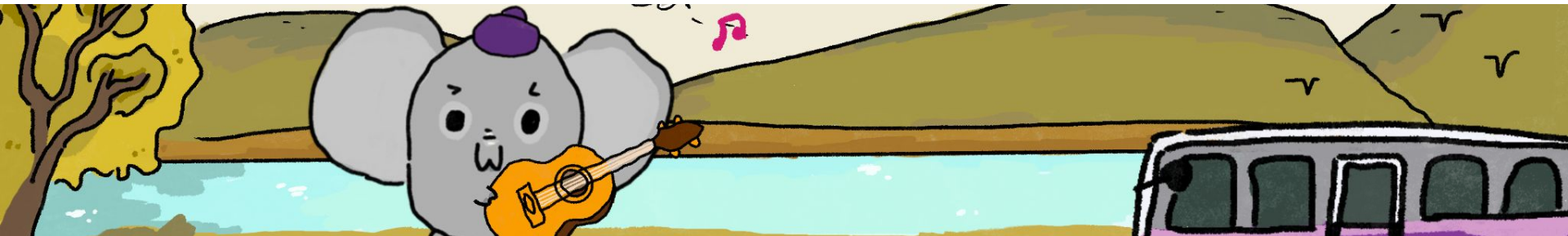
Your Playlist Page



Feature : community

Community & user

- Can see other user's public playlist
- Public & Private community room
- RoomID for joining
- Real-time chat
- Listen to music together
- User register & login profile (Authentication)(profile pic, name, friends)



Public Room



Hi, bee



HOME

Your Music



Liked Songs



Your Playlist

Community



LookChang Rooms



Friends

CURRENT ROOM

ห้องนี้เข้าแล้วรวย

2/5 Members • Public • Code: ea82974a

Leave Room

MUSIC

Now Playing  

สตอร์เบอร์มรกด (Strawberry Morakot) | Official Audio

2:46 นาที



Skip

+ Playlist



Next

CHAT

aa added "สตอร์เบอร์มรกด (Strawberry Morakot) | Official Audio" to queue

aa

สวัสดีจ้ะ

02:31

bee

ครับ

Type a message...



ROSÉ - 'EYES CLOSED (Halsey)' COVER

BLACKPINK

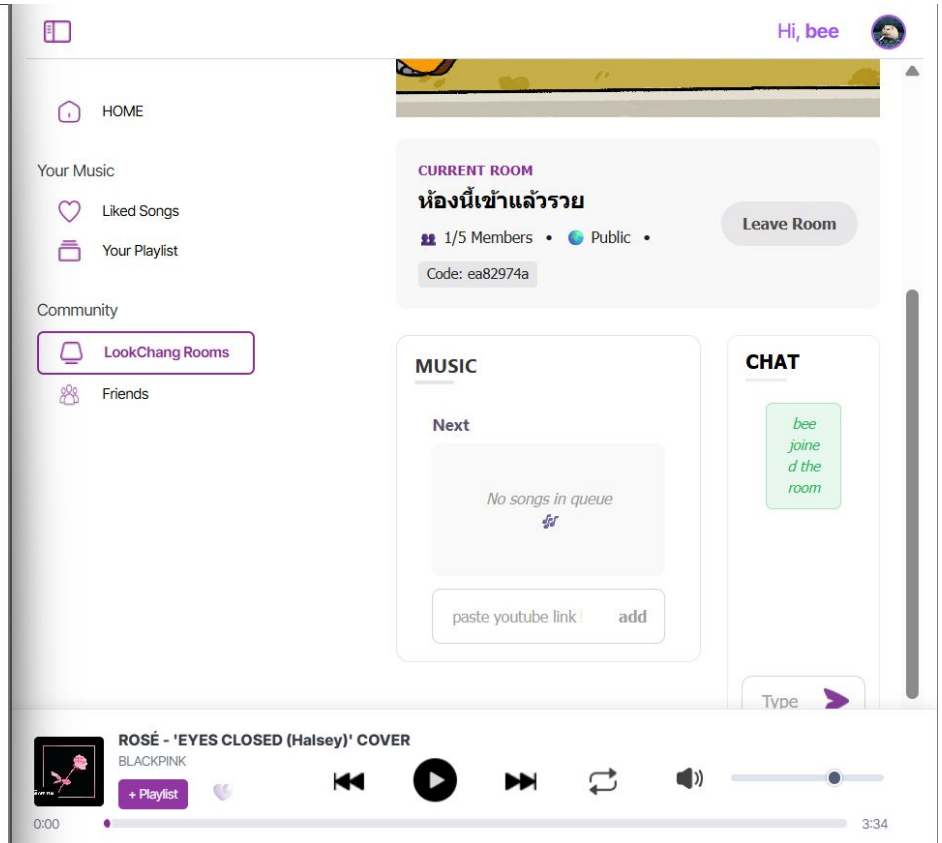
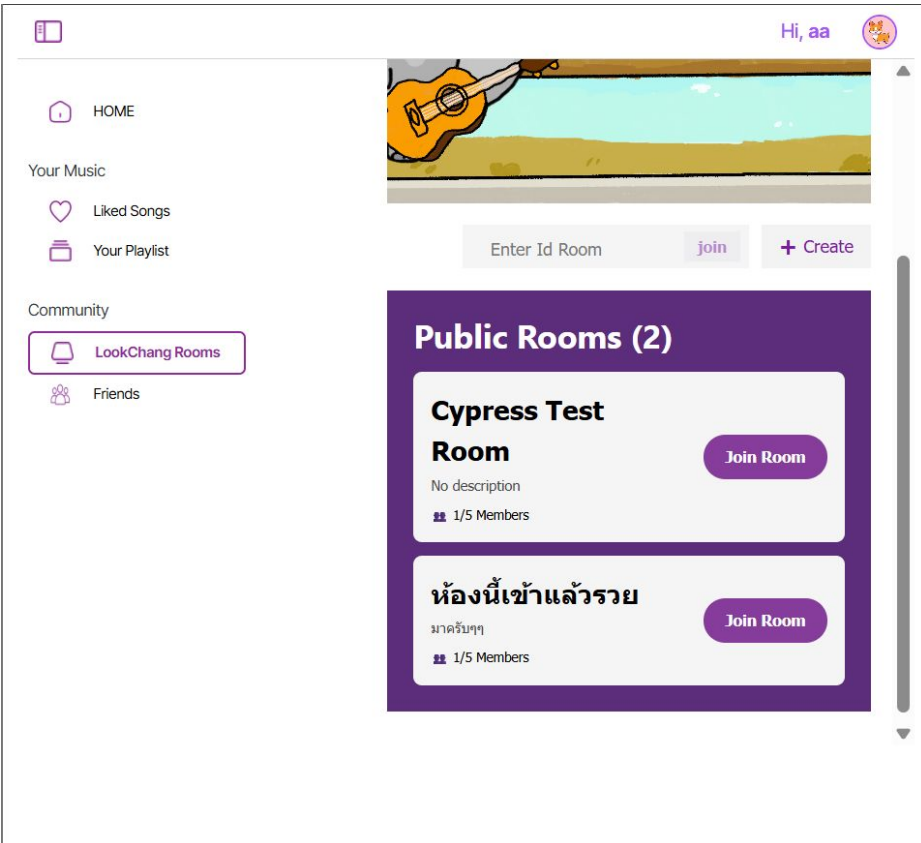
+ Playlist



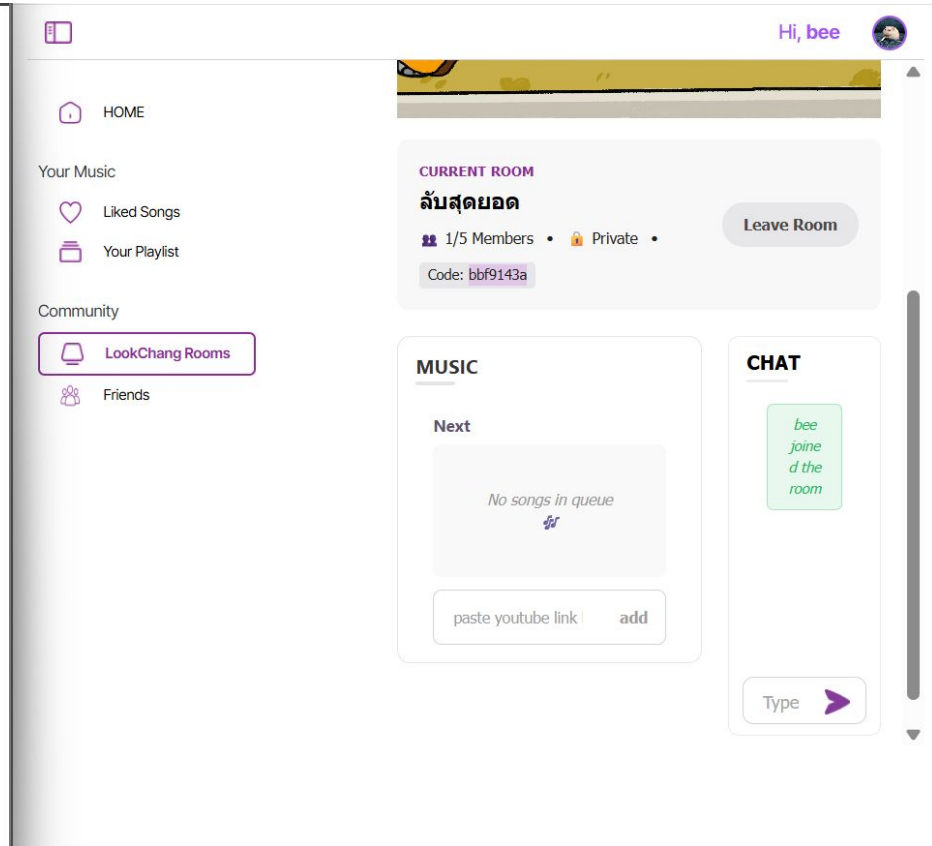
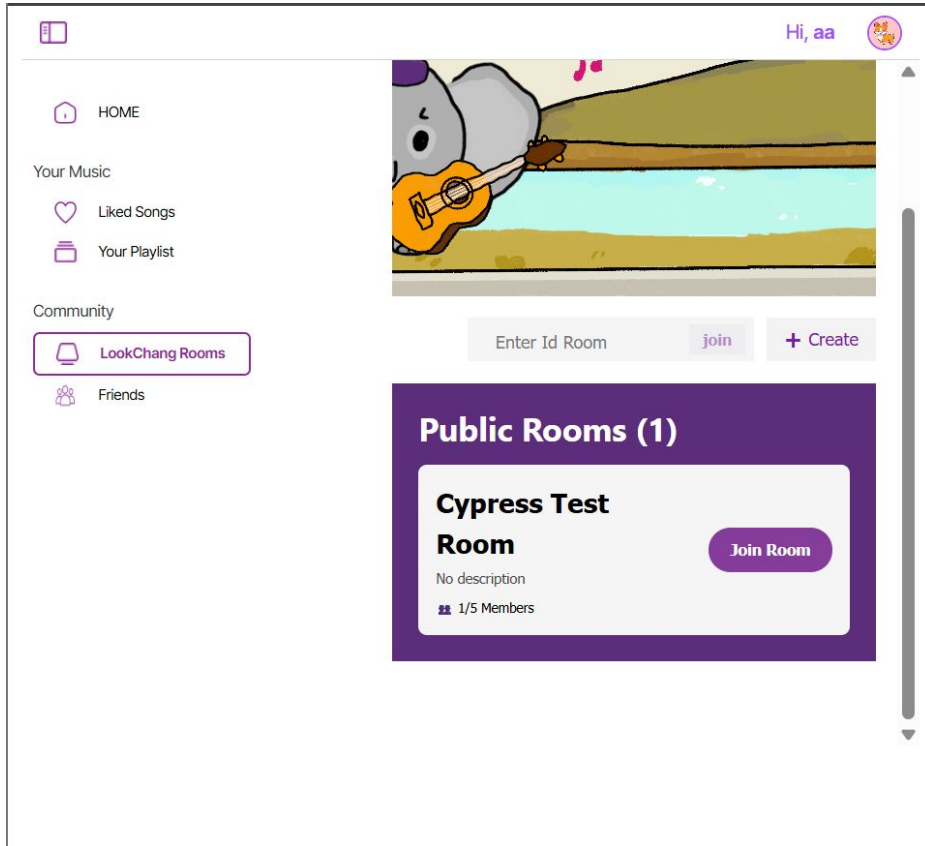
0:00

3:34



Public Room




Private Room





Private Room

 Hi, aa 


 HOME


Your Music

 Liked Songs

 Your Playlist

Community

 LookChang Rooms

 Friends

CURRENT ROOM

ลับสุดยอด

2/5 Members • Private • [Leave Room](#)

Code: bbf9143a


MUSIC


Next


No songs in queue



paste youtube link | [add](#)


CHAT

 ห้องนี้ลับจริงไหม 02:44


 beeลับสิ 02:44


Type 

 Hi, bee 


 HOME


Your Music

 Liked Songs

 Your Playlist

Community

 LookChang Rooms

 Friends

CURRENT ROOM

ลับสุดยอด

2/5 Members • Private • [Leave Room](#)

Code: bbf9143a


MUSIC


Next


No songs in queue


paste youtube link | [add](#)

CHAT



 aaห้องนี้ลับจริงไหม 02:44

 beelลับสิ 02:44

Type 



Hello Again! This is Lukchang Vibe

Email

Password

Sign Up/Log In with Email

 Continue with Google

Sign-in & Log-in Page



Hi, bee



HOME

Your Music



Liked Songs



Your Playlist

Community



LookChang Rooms



Friends



bee

@triplegee888

2 Public Playlists 1 Friends



Profile

Log out

Public Playlists



Bee's playlist



ของผมน่ะ



ROSÉ - 'EYES CLOSED (Halsey)' COVER

BLACKPINK

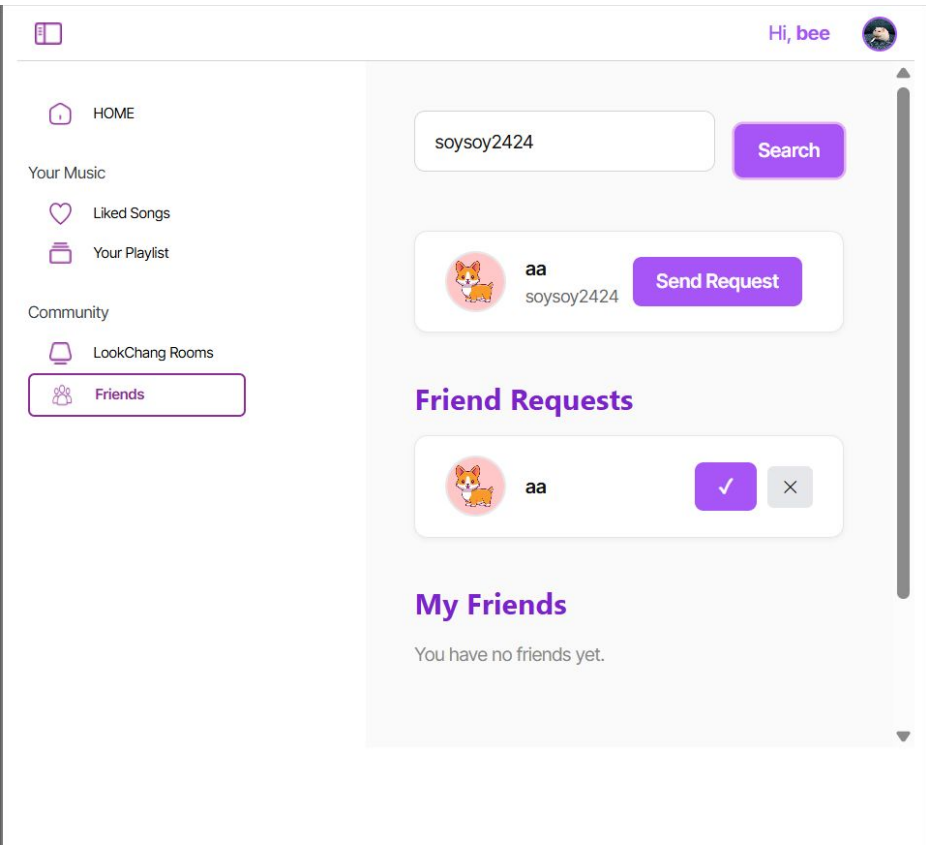
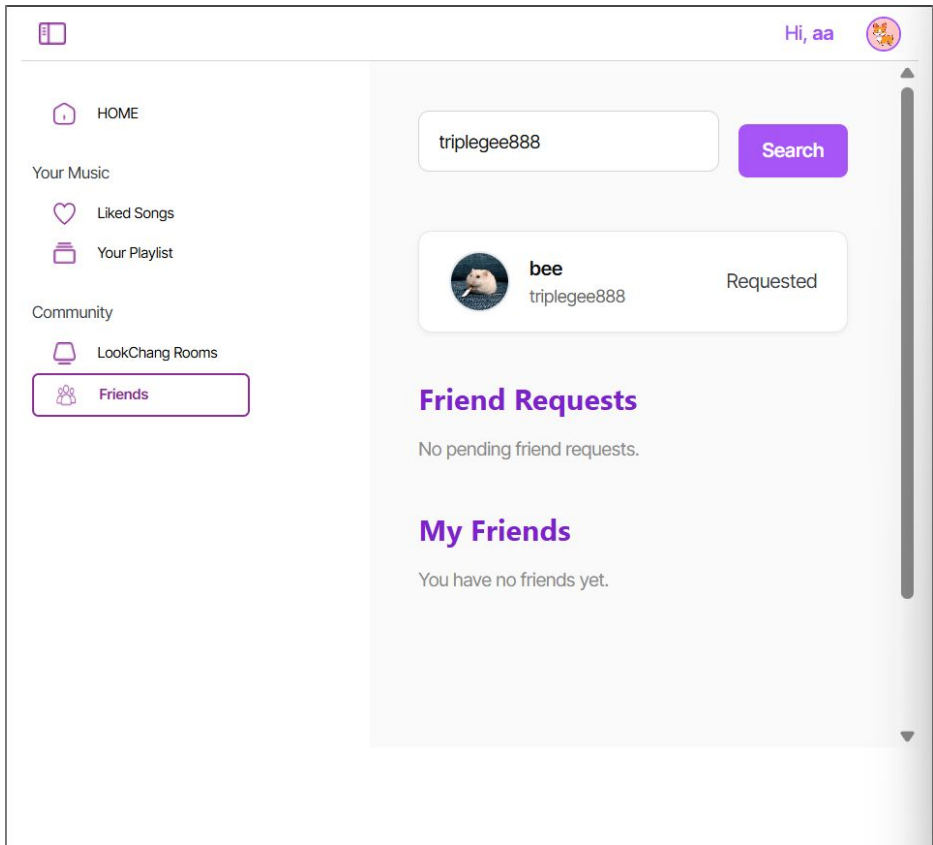
+ Playlist



0:00

2:27

Profile Page



Friends Page



Hi, bee



HOME

Your Music



Liked Songs



Your Playlist

Community



LookChang Rooms



Friends



aa

@soysoy2424

0 Public Playlists **1** Friends

Public Playlists



aa's playlist is still empty

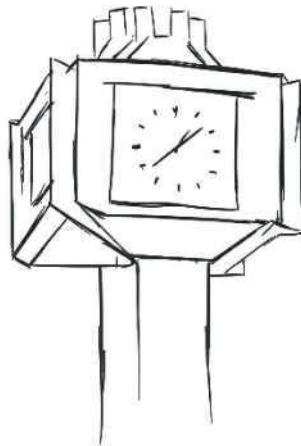
Friend's Profile Page



บรรณานุกรม



- <https://dbdiagram.io/d/Music-Streaming-Service-6894bcacdd90d17865efdc3b>
- https://www.figma.com/design/gPaduwPjWJo2lKNLPy18AE/Full_Stack?node-id=0-1&t=4xGluMZO0k5tz2y6-1
- <https://kornsriwattana.postman.co/workspace/Korn-Sriwattana's-Workspace~1cf340a7-3138-448b-8b33-59b31ac8552f/collection/44853683-59d9d67f-2ee6-40aa-8a72-77f22d0255e2?action=share&source=copy-link&creator=44853683>



Demo

