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Music



User Profile



Settings



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# Moodify

Design & Innovation Project AY23/24, Group 1

*"Experience music like never before."*



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...

Music streaming services have dominate the industry, with over 84% of revenue and 600 million subscribers worldwide. While offering vast libraries and convenience, concerns arise over algorithmic recommendations, often limited by user history and prone to repetitive suggestions, hindering diverse music discovery.

## Identifying the Gaps

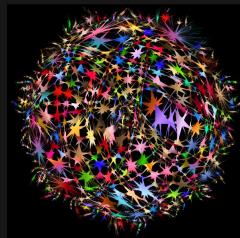
- Recommender algorithms tended to give similar genres, or songs that the user has already listened to multiple times before
- Lack of sensitivity towards a user's changing wants and emotions
- Lack of overall communal experiences in current services beyond sharing playlists and songs

## Setting our Goals

1. Address unwanted reinforcement learning by recommending unique songs
2. Implement the ability for the app to react and respond to the user's current preferences and state of mind
3. To promote introspection with the ability to record the type of music one listens to
4. Synchronous communal experience to facilitate bonding between users

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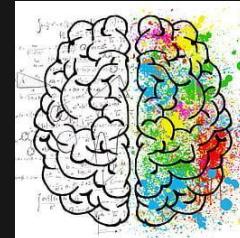
# Motivation



Unwanted  
Reinforcement  
Learning  
Insight 1



Sensitivity to  
User's Current  
Mood  
Insight 2



Introspection  
and Reflection  
Insight 3



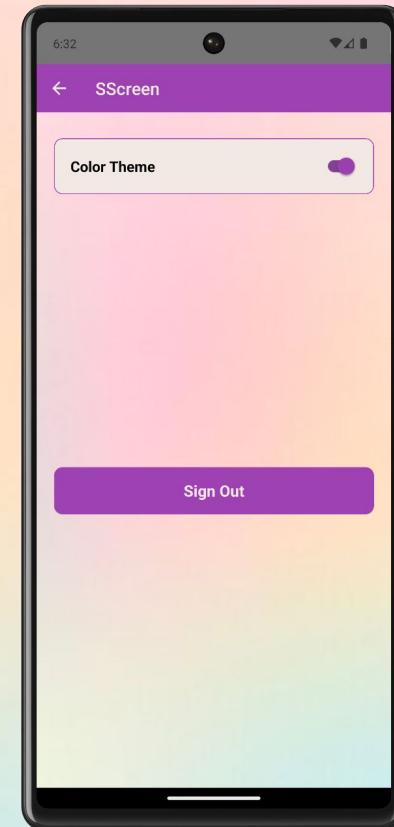
Asynchronous  
Communal  
Experience  
Insight 4

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# Color Scheme



**Light Mode - pastel colours**

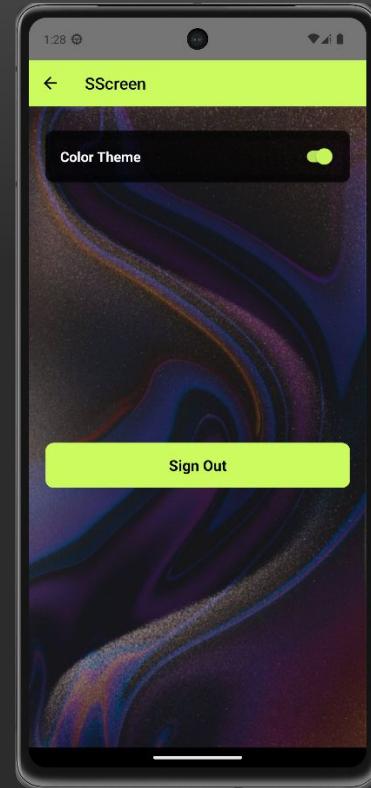


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# Color Scheme



Dark Mode - Spotify colours





Moodify



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#### **Recommendation**

# San-Serif Font Family

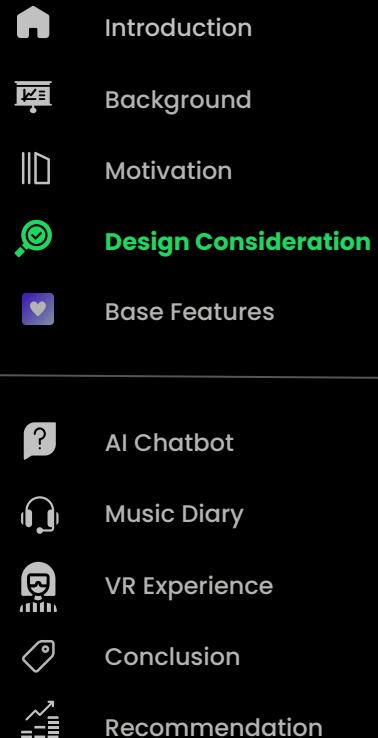
Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn  
Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz  
1234567890 ! @ # \$ € % & \* ? , ;

# Robust Simple user interface

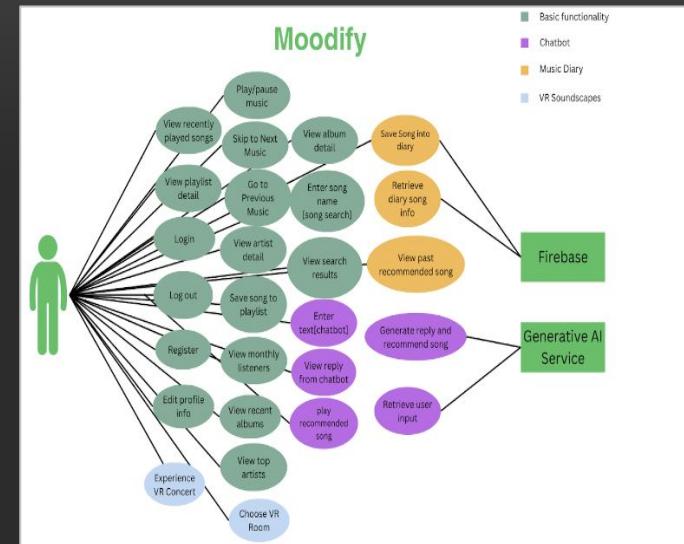
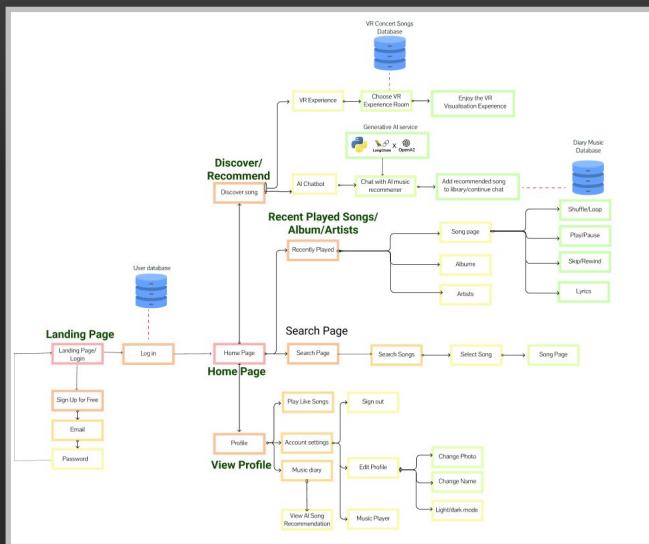
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# Moodify Logo





# Diagrams



## Site Map

## ER Diagram



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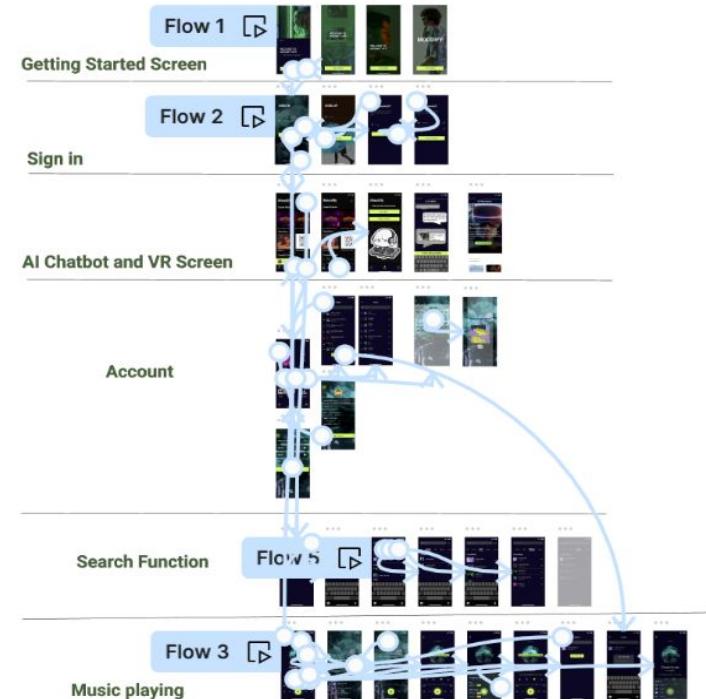


Recommendation

# Diagrams

Figma Design

## Moodify WireFrame





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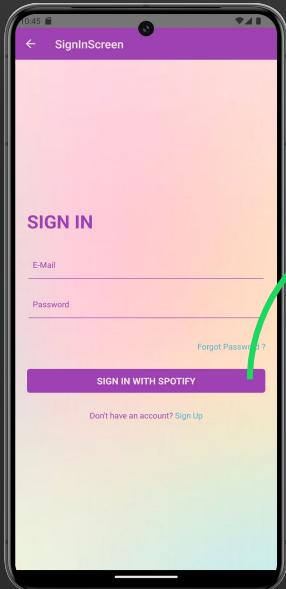


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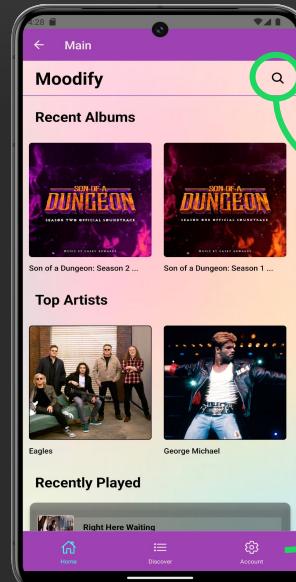
# Base Features



## Sign-in with Spotify Account

Seamless sync to Spotify account

No need for multiple music streaming accounts!



## Homescreen

Access to search function

Snapshot of recently played music and favourite artists

Persistent nav bar



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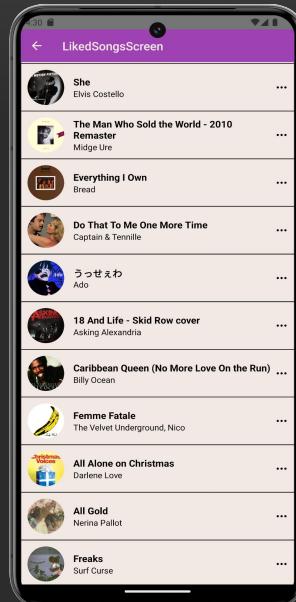
# Base Features



Account page

Settings page to switch app theme

Centralised hub to access all your music



Library

See your saved songs, playlists and albums.



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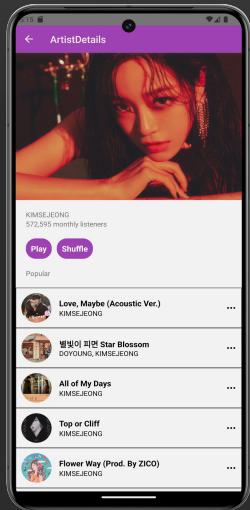


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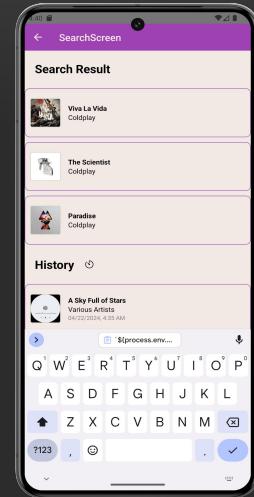
# Base Features



Artists' page



Music playback



Search function



Moodify

Joeel ▾



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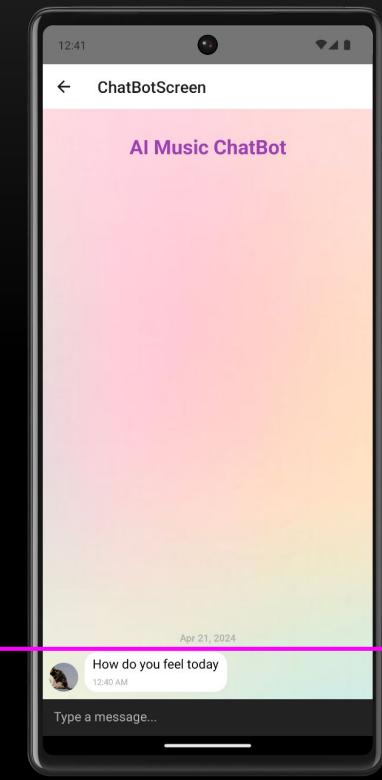


Conclusion



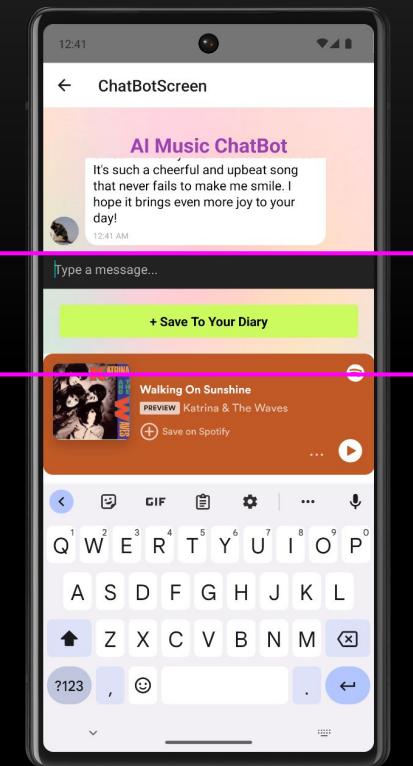
Recommendation

# AI Chatbot



Save the songs to  
Music Diary

Chat with fine-tuned  
GPT 3.5 AI Music  
Recommender





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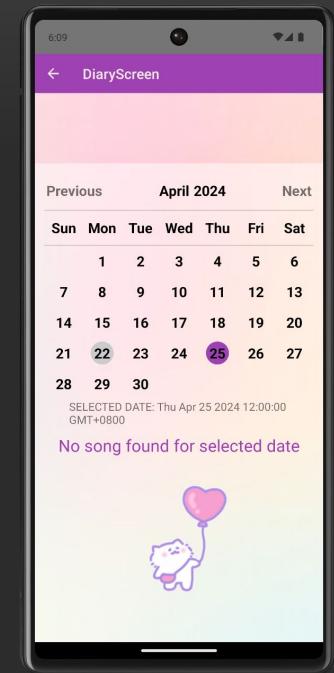
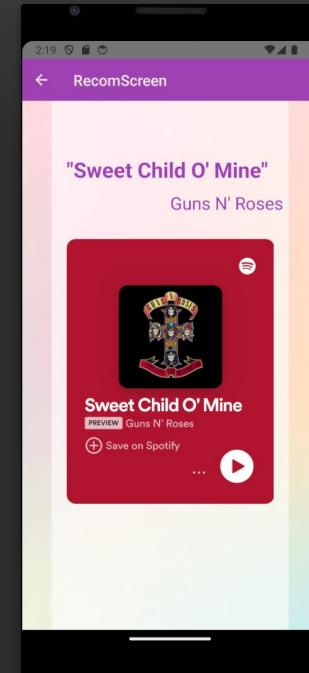


Recommendation

# Music Diary

Display song name, artist name of the day

Play the song in embedded spotify music player





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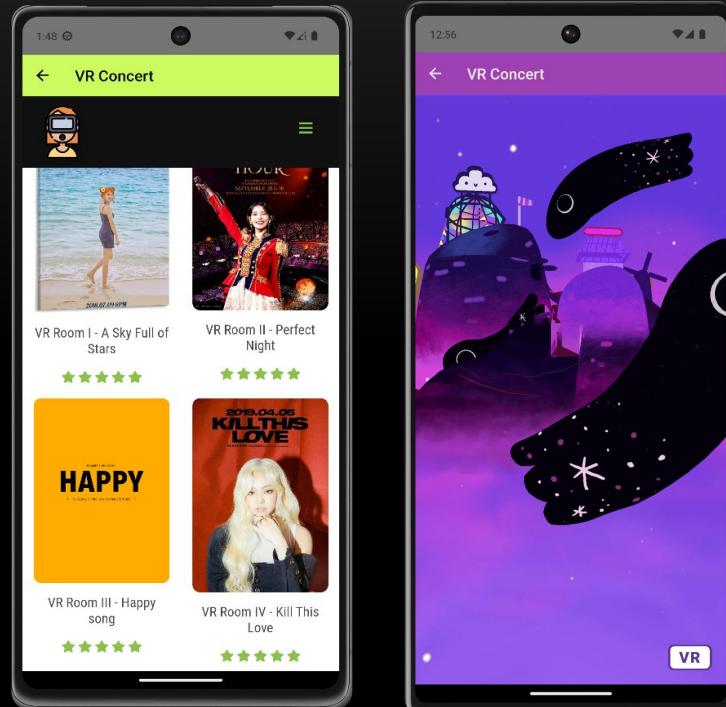
Recommendation

# VR Experience

Get a personalised setlist of music specifically for you

Our AI will automatically generate an accompanying VR landscape to suit the song

Enjoy the show!



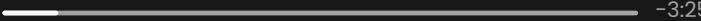
# Live Demo



Demo time  
DIP team 1



0:23





# Conclusion

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Stream the latest  
top hits

**AI Chatbot**

Personalised song  
recommendations  
based on your mood

**Music Diary**

Look back at your  
daily emotional  
connections to songs

**VR Concert**

Immersive VR room  
with aesthetic  
atmosphere and  
vibrant avatars



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# Recommendations



Multi-user VR session

Song analysis with NLP  
ModelDynamically produce  
and update VR  
environments with  
SkyBoxAISpecialised model fine  
tuned to our use case

# Thank You

*"Coming together is the beginning, keeping together is progress,  
working together is success." - Moodify Developers*



Thank you  
Moodify Team



0:23

-3:25

