

SENG2021

MOSH

**A social media platform focussed
on connecting people through music**

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Problem Statement

In today's era of multimedia entertainment and streaming services, music platforms such as Spotify, Apple Music and SoundCloud have provided an easily accessible way for users to listen to their favourite tracks and artists. These platforms such as Spotify provide a range of powerful features such as the ability to stream music, create personal playlists, suggest new recommendations to users based on their listening preferences and follow various artists. Likewise, platforms such as Apple Music and SoundCloud implement their own versions of such features along with the ability to listen to various radio channels.

However, such music platforms lack features dedicated to social networking and interactions. For example, Spotify whilst possessing a feature to add Facebook friends and listen to their playlists, provides limited abilities for users to connect and interact with other users. Apple Music does not even possess a friend system or ability to interact with other users of that platform. These deficiencies in social networking prevent existing platforms from creating a sense of community and inclusion between music lovers over the Internet and forces such people to share their thoughts through other social media platforms such as Facebook, which lack features dedicated towards the multimedia industry. Additionally, due to the intrinsic competition between music streaming platforms, it is often difficult to share playlists and tracks from one platform to another.

Purpose

Mosh is a social media platform aimed towards addressing the lack of social interaction features provided by existing media platforms such as Spotify. Through this, Mosh aims to create an integrated platform, where users can import their existing profile details from media platforms, connect and share music and ideas with other users of similar interests across all media platforms. Mosh will implement features such as:

- The ability to import your existing details from music platforms such as Spotify
- Sharing your thoughts/ posts with other users of Mosh
- Suggest users to connect with based on your mutual interests and likes
- Suggest music/ playlists based on what your connections are listening to
- Share music with other users of Mosh regardless of music platform
- List upcoming and relevant concerts around you based on your existing interests

Features

Requirement : A social media platform that is catered towards music interests.
Feature: Sign Up As a user, So that my data can persist on the platform I want to be able to sign up. GIVEN I am on the landing page AND I do not already have a account WHEN I click “sign up” THEN I am shown a sign up page where I can enter my account details WHEN I click ‘add’ THEN an account and profile are created AND I am directed to my homepage.
Feature: Log In As a user, So that I can access my profile and account I want to be able to log into the platform. GIVEN I am on the landing page AND I have an account WHEN I click “sign in” THEN I am shown a login page WHEN I enter my valid account details AND press enter THEN I should be able to access the service AND my homepage is shown.
Feature: Log out As a user, So that my account remains secure from outside access I want to be able to log out of my account. GIVEN that I am logged into my account WHEN I am on any page THEN I should be able to click “log out” AND log out of my account

Feature: Edit Account Settings

As a user,
So that my account can better fit my needs
I want to be able to edit my account settings.

GIVEN I am on my profile page
WHEN I click “edit profile settings”
THEN I am shown a page of settings for my profile

GIVEN I am on my profile settings page
WHEN I click “change privacy”
THEN I am given a range of privacy settings
WHEN I click on a privacy settings
THEN my account privacy is set to that option if not already.

GIVEN I am on my profile settings page
WHEN I click “update avatar”
THEN I can either use a preregistered avatar or upload my own image so that
WHEN I click ‘update’
THEN my avatar is changed to that image.

GIVEN that I am on the “Profile Settings page”
WHEN I press the “deactivate account button”
AND press “yes” on the are you sure prompt
THEN my account should be deleted from the site

Feature: Import details from other media platforms

As a user,
So that I can have a more personalised experience,
I want to be able to import my existing details from other media platforms.

GIVEN I am on my profile
OR signing up
THEN I am shown a list of possible media platform connections
WHEN I click on a media platform button
THEN I should be able to login to a media platform
AND my account will become linked to my media platform account
AND my data from the other platform will be loaded into my profile.

Requirement: Recommend people, music and other features to me based on my personal preferences.

Feature: Discover people

As a user,
So that I can meet people of similar interests
I want to be recommended their profiles

GIVEN that I am on my home page
WHEN I click the “discover” tab
THEN I should be on the discover page
WHEN I click the ‘people’ side tab
THEN I am shown a list of people recommended to connect with based on our mutual interests.

Feature: Discover Concerts

As a user,
So that do not miss out on concerts that interest me
I want to be able to keep track of relevant local concerts around me.

GIVEN that I am on the discover page
WHEN I click on the “concerts” side tab
THEN I am shown a list of concerts happening around me based on my interests.

Feature: Discover Music

As a user,
So that I can broaden my horizons
I want to be able to discover new recommendations regarding music

GIVEN I have a music account linked to my profile
AND I am on the discover tab
WHEN I click on the music tab on the side bar
THEN I am shown a list of recommended tracks on the discover page
WHEN I click a track
THEN I am redirected to a media platform that plays the selected media

Requirement: Ability to interact with other users of the social media platform

Feature: Connect with other users

As a user,

So that I can build up my social network,

I want to be able to connect with other users of the social media platform.

GIVEN I am on the the “discover” page

AND have selected the “people” sidebar option

WHEN I click on a user’s profile

THEN I am shown that user’s profile

WHEN I click on the connect button

THEN I am able to add that user to my connections.

Feature: View existing connections

As a user,

So that I can keep track of my social network,

I want to be able to view my existing connections with other users.

GIVEN I am on the “discover” page,

WHEN I click on the “existing connections” sidebar button

THEN I am shown a list of existing connections with other users.

Feature: Remove connections

As a user,

So that I can modify my social network

I want to be able to unconnect with users that I have connected with in the past.

GIVEN I am on another user’s profile page

AND I am already connected with them

WHEN I click the disconnect button

THEN I am no longer connected with them.

Feature: Share thoughts

As a user,

So that others can be updated on my status,

I want to be able share my thoughts on the feed.

GIVEN I am on my homepage,

THEN I am shown a feed of other users’ posts

WHERE I can filter relevant posts by tag

OR view my own posts.

GIVEN that i am on the homepage

WHEN I click “post update”
THEN I should be able to post an update
AND attach relevant tags.

Requirement: Social Media platform lacks a way to send tracks to other users on a variety of music platforms seamlessly.

Feature: Map music tracks from one platform to another

As a user,
So that I can more easily listen to music
I want to be able to map music tracks from one platform to another.

GIVEN I am logged in
AND have selected a music track
WHEN I click on that track
THEN I am shown links to open that track on various media platforms.

Feature: Send music tracks to other users

As a user,
So that I can share my interests with other people
I want to be able to send music tracks to other users.

GIVEN I am logged in
AND on the “share music” tab
WHEN I click the “send track” button
THEN I am able to specify a music track
AND send it to a particular user who I have connected with.

Feature: Receive music tracks from other users

As a user,
So that I can experience what others are listening to
I want to be able to receive music tracks sent to me by other users.

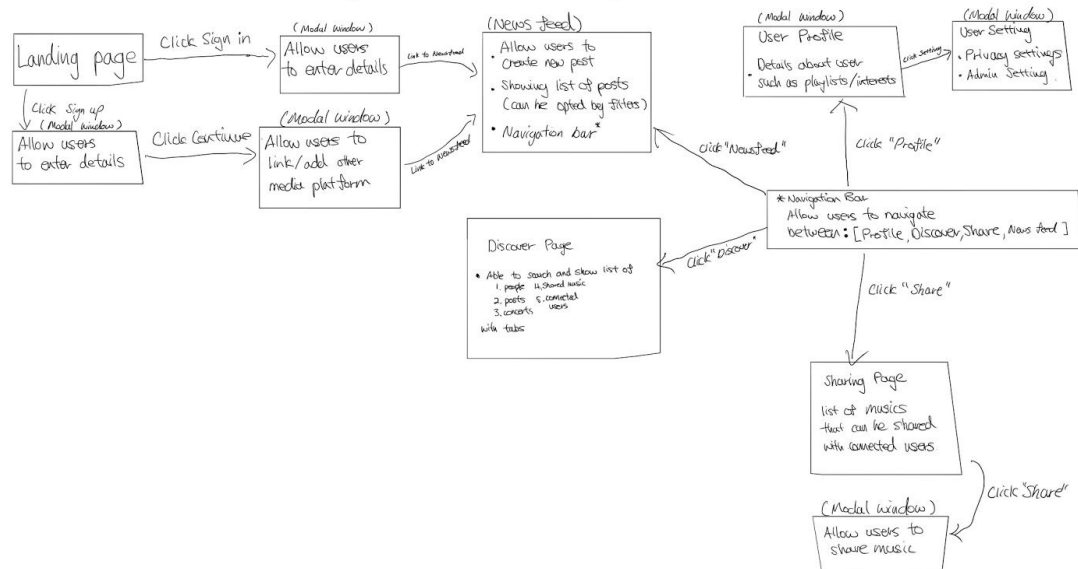
GIVEN I am on the “discover” page
WHEN I click on the “shared with me” page
THEN I am shown a list of music tracks sent to me by other users.

Low Fidelity Prototype

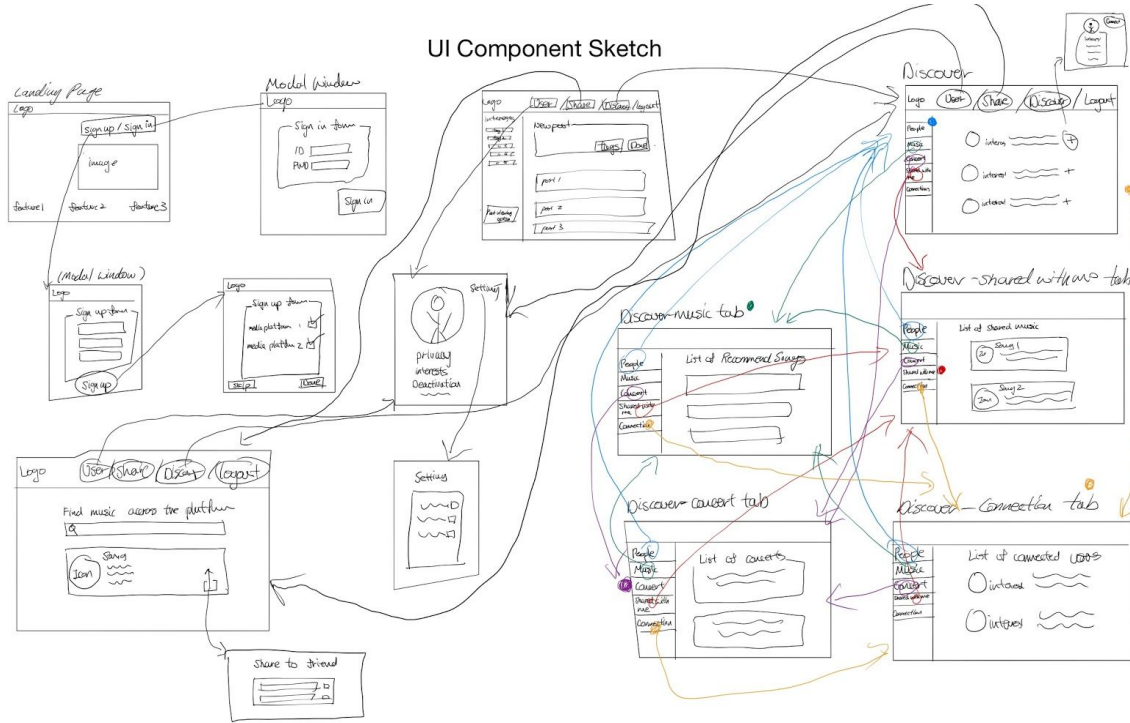
Paragraph on flow:

From the landing page, users can sign in and sign up. After the authentication, they will be in Homepage where they can see others' posts with different interest tags and also create their own post. Homepage has a navigation bar on top which includes Mosh icon, Profile, Sharing, Discover and Exit icon. Navigation bar will be shown on every main page except for the landing page. Users can view and edit their profile with pop up modal window by clicking the profile icon and simply close to go back to the previous main page. Sharing icon in the navigation bar will take users to a “sharing page” which will allow them to search music and share directly to their connected users. Discover icon will take users to a “discover page” which will allow them to discover people, recommended music, concerts, shared music and connected users within sidebar options. Users can always go back to Homepage with the “Mosh” icon and they can simply log out with the “exit” icon which will be back to the landing page.

Storyboard Interactions Graph



UI Component Sketch



High Fidelity Prototype

Please use following for working prototype:

Link:

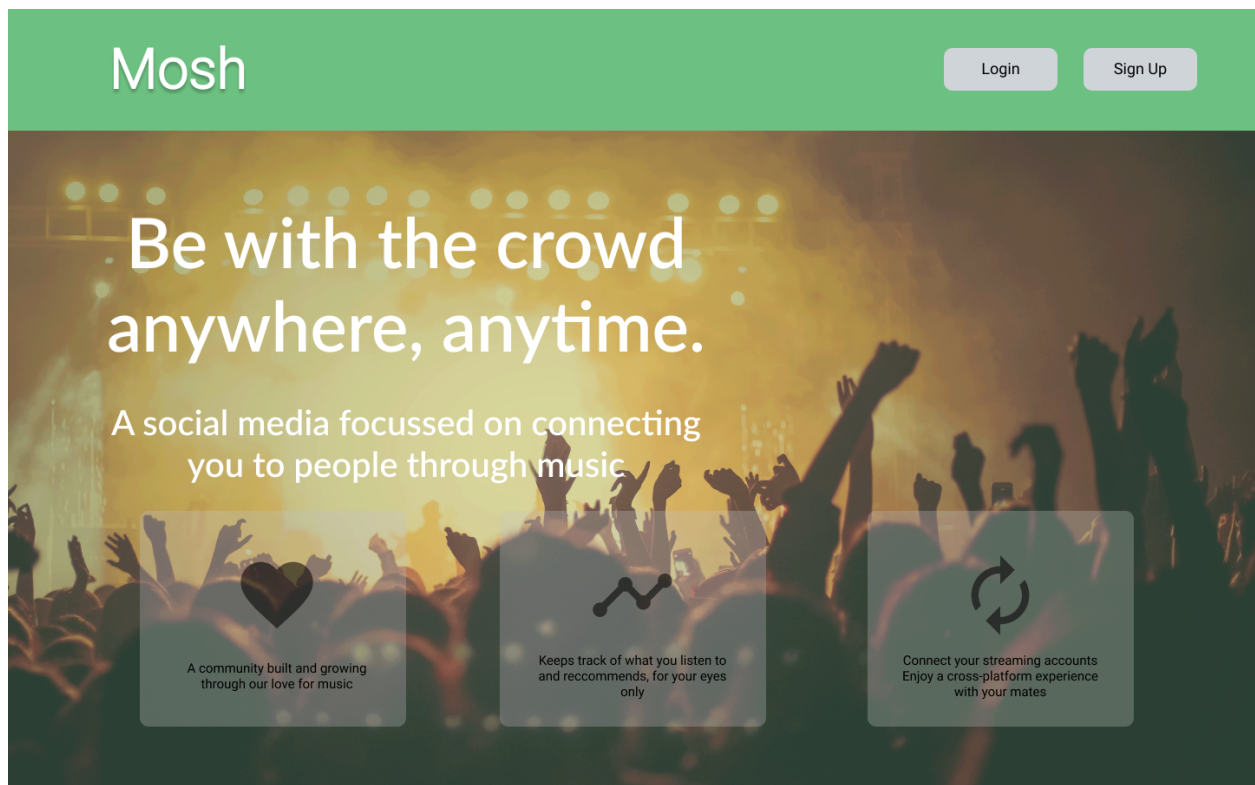
<https://www.figma.com/proto/5Rn2knPy8z18r0zJPHVAXL/Sample-Page?node-id=1%3A5&scaling=min-zoom>

ID: mosh@gmail.com

PW: moshisthebest

Landing Page:


This page provides the options to login and signup and provides a general summary of the purpose of the application





Login / Sign up Page:

These pages require the user to either login or sign up with their credentials.

Mosh



Email


Password


Log In


Don't have an account yet?


Sign Up

Mosh

Name

Email

Password

Retype Password

Sign Up

Already have an account?


Sign In


Linking Music Platforms:


This page is where the user can either add their preferences from their favourite platforms or skip this process entirely


Mosh


Import your Music Preferences from your favourite platforms


 Connect with Spotify



 Connect with Apple Music



 Connect with Youtube

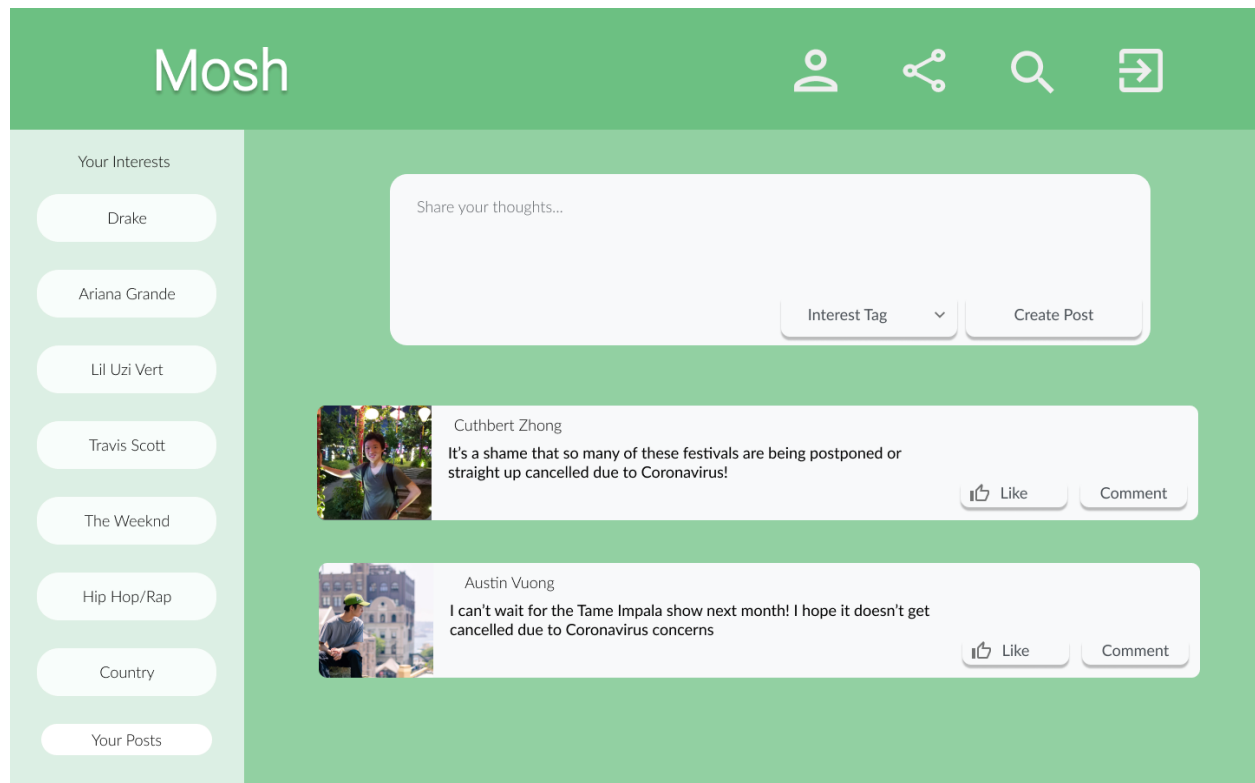


Continue

Skip for Now

Home Page/Feed:

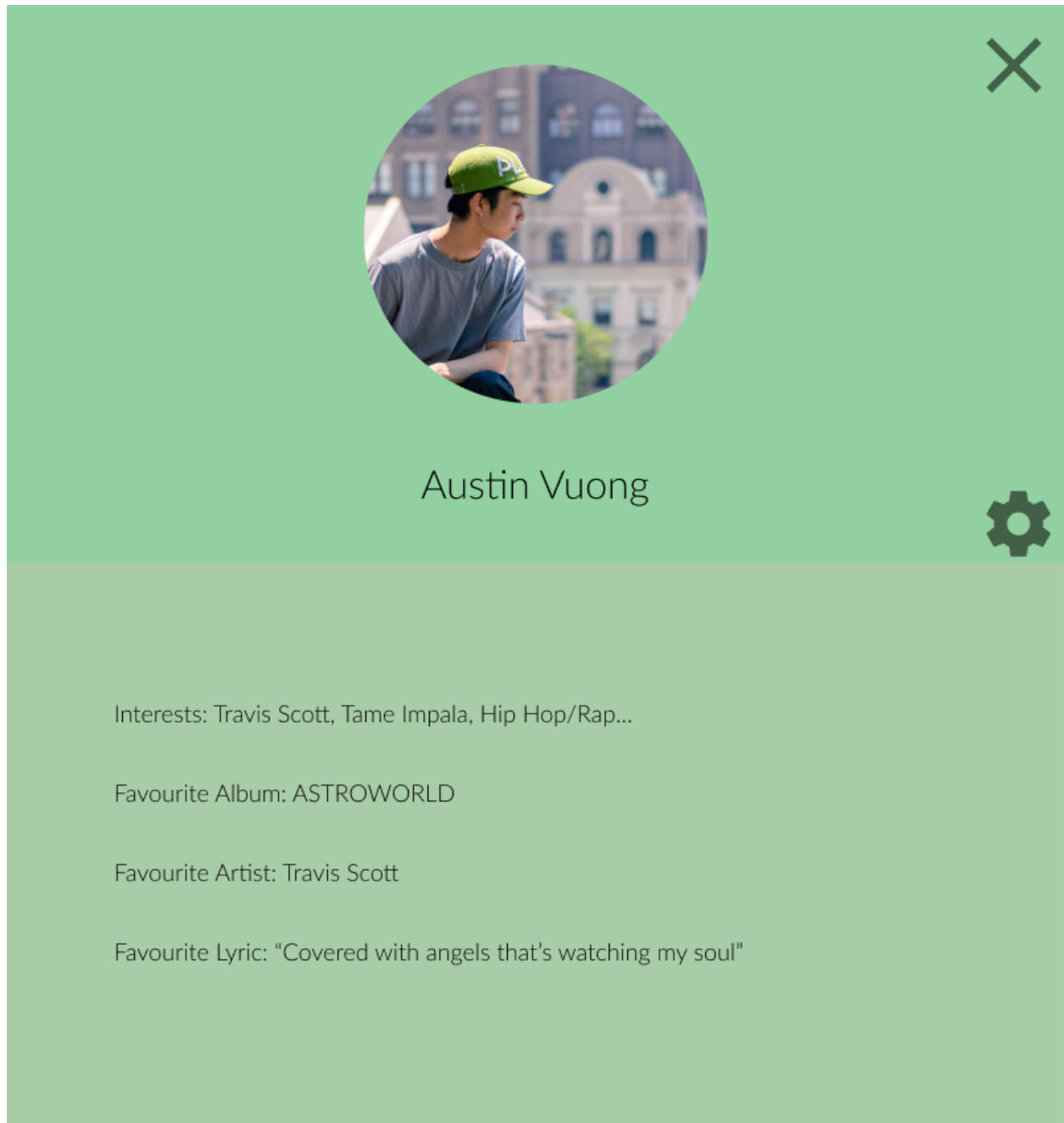
A user can post their thoughts to their feed which others can view, like and comment on. These posts can have an interest tag attached to them to make it easier to search for and view posts that they are interested in. The navigation bar on the top provides the user options to: go to their profile page, go to the share music page, go to the discover page and the option to logout. The sidebar provides the options to filter posts by interest tag. There is also an option to view the user's own previous posts on the sidebar.



User Profile Page:

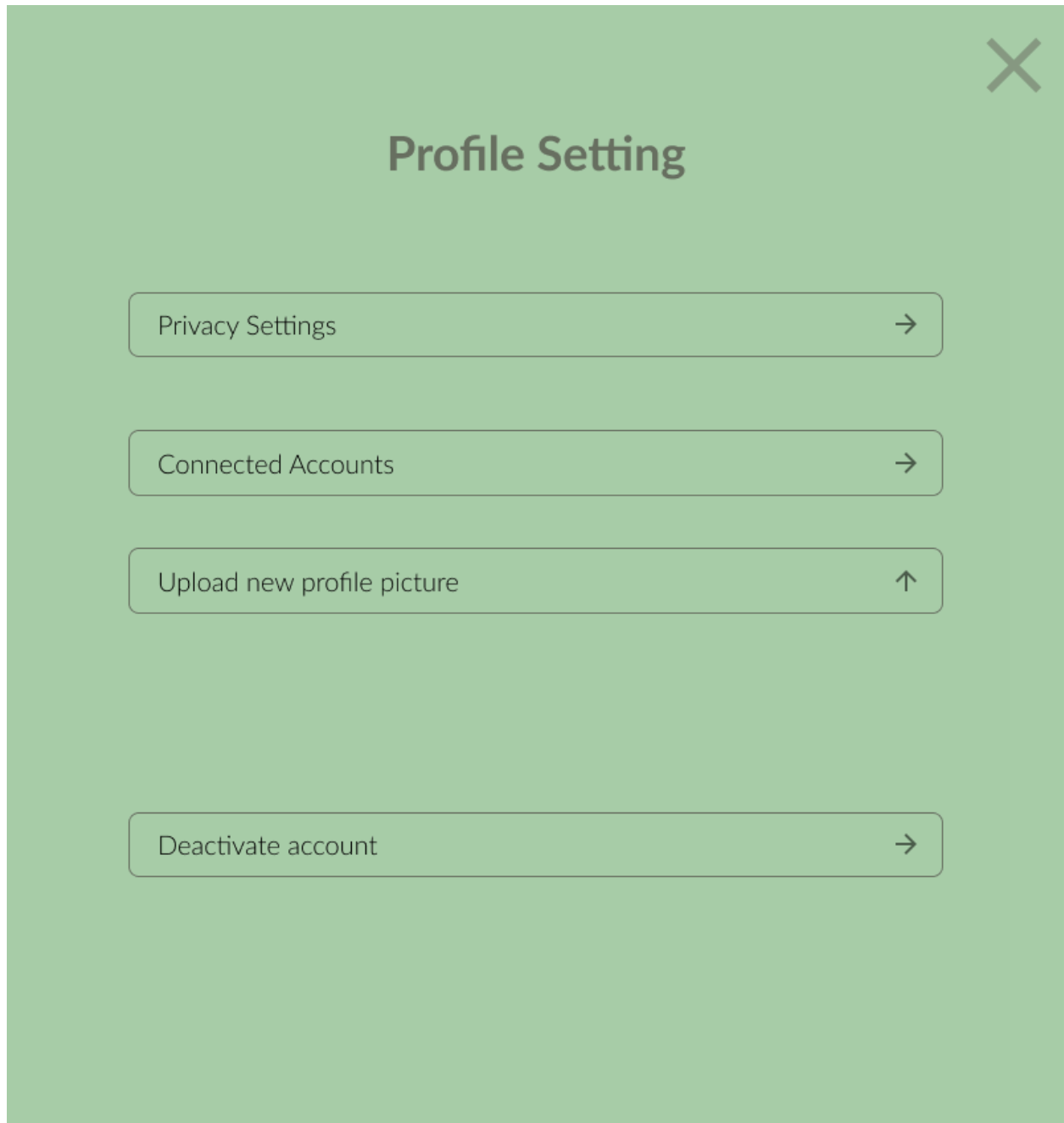
When the user click's on the profile icon in the nav bar they are directed to this page.

This page displays the users details and has a cog icon to allow the user to access their account settings and a cross icon on the top right to close the modal page.



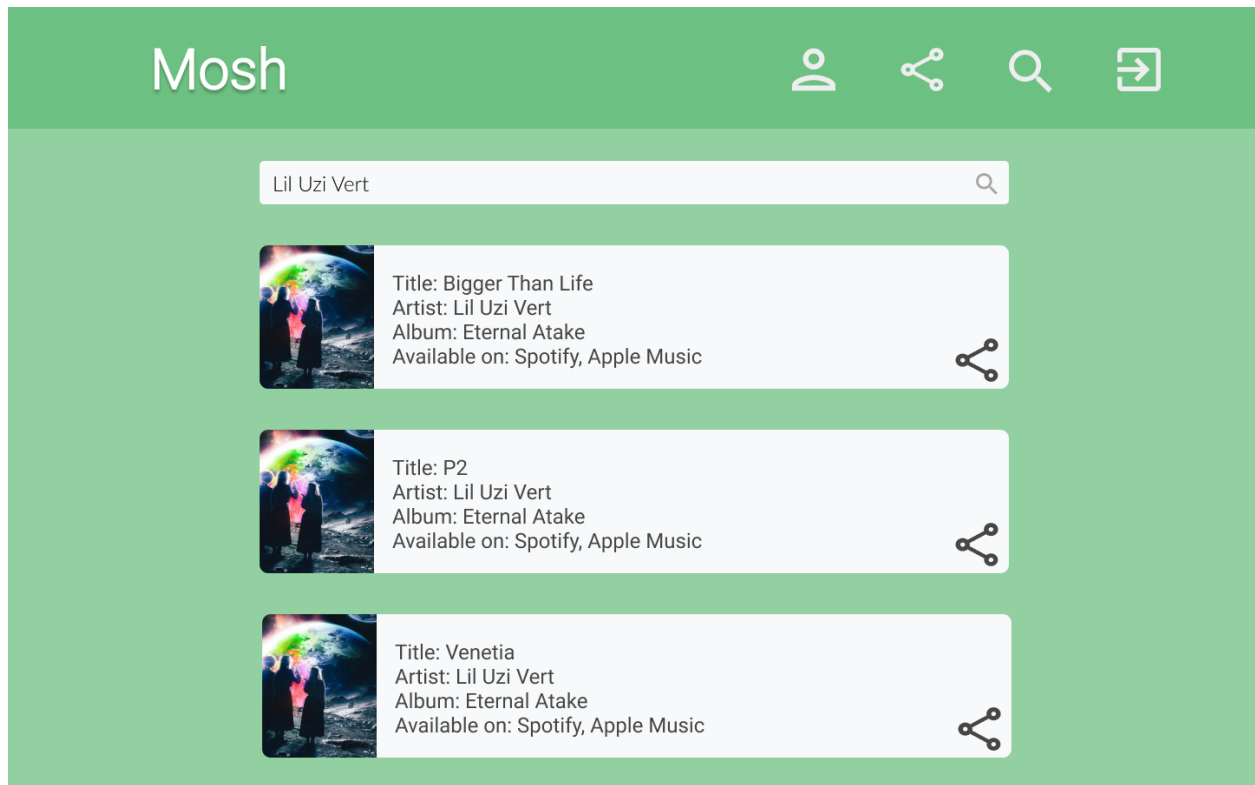
Profile Settings Page:

This page allows the user to edit their privacy settings, connected accounts, upload a new profile picture or deactivate their account by clicking the respective buttons. There is a cross icon to exit this modal page.



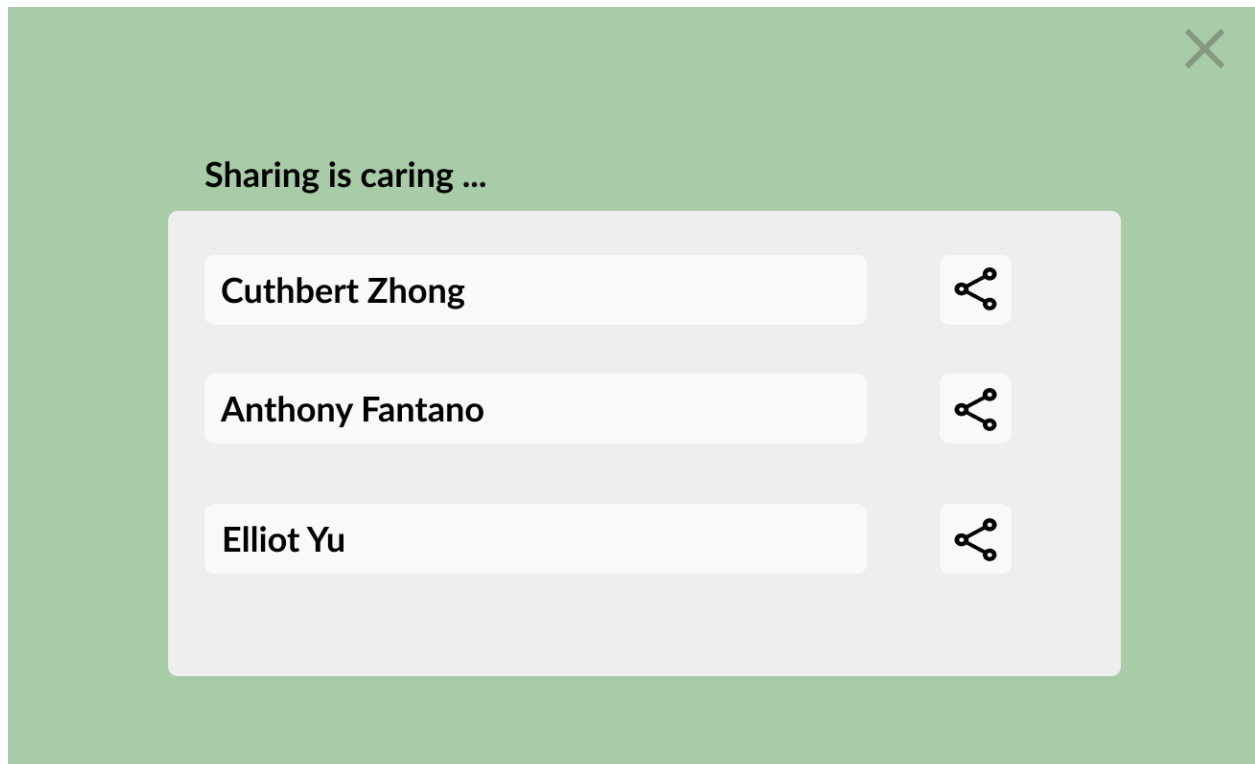
Share Music Page:

This page allows the user to search for the song that they want and share it with people that they are connected to.



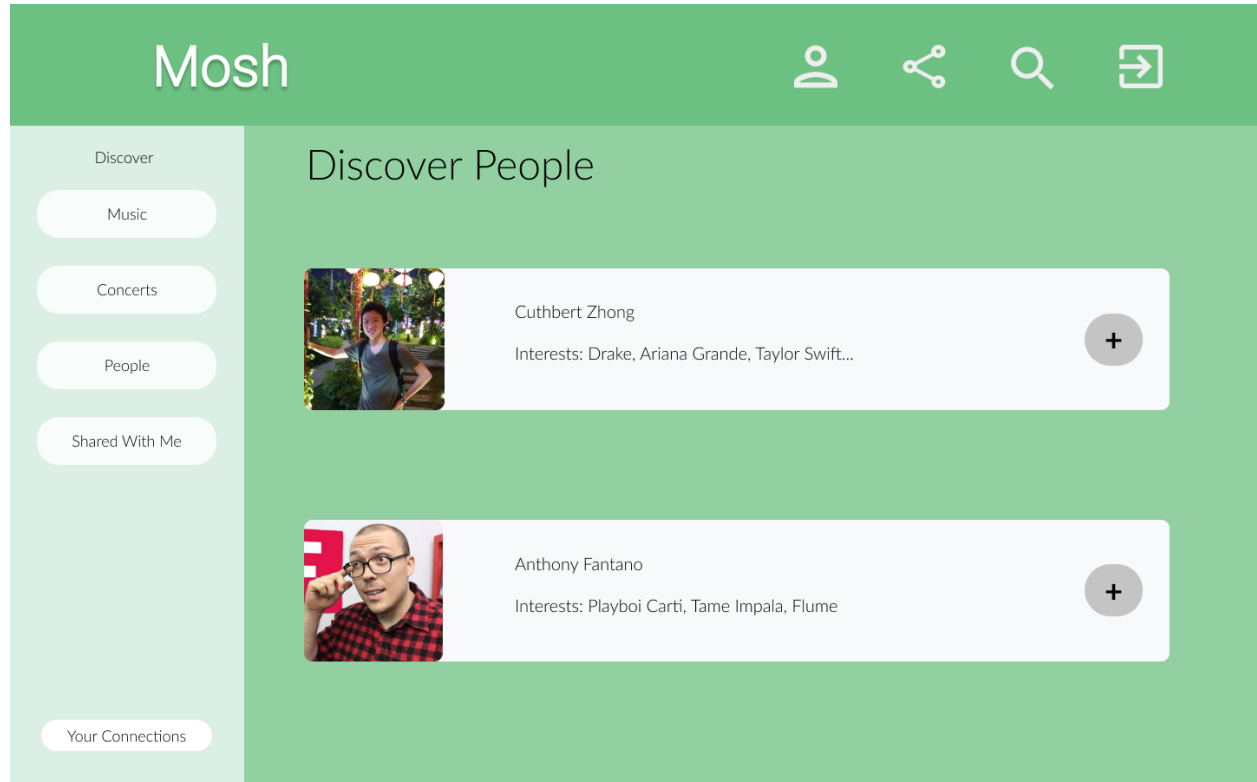
Share with connected users page:

Clicking on the share button will allow the user to share a link to the song for whatever platform they would like to the connected user of their choice



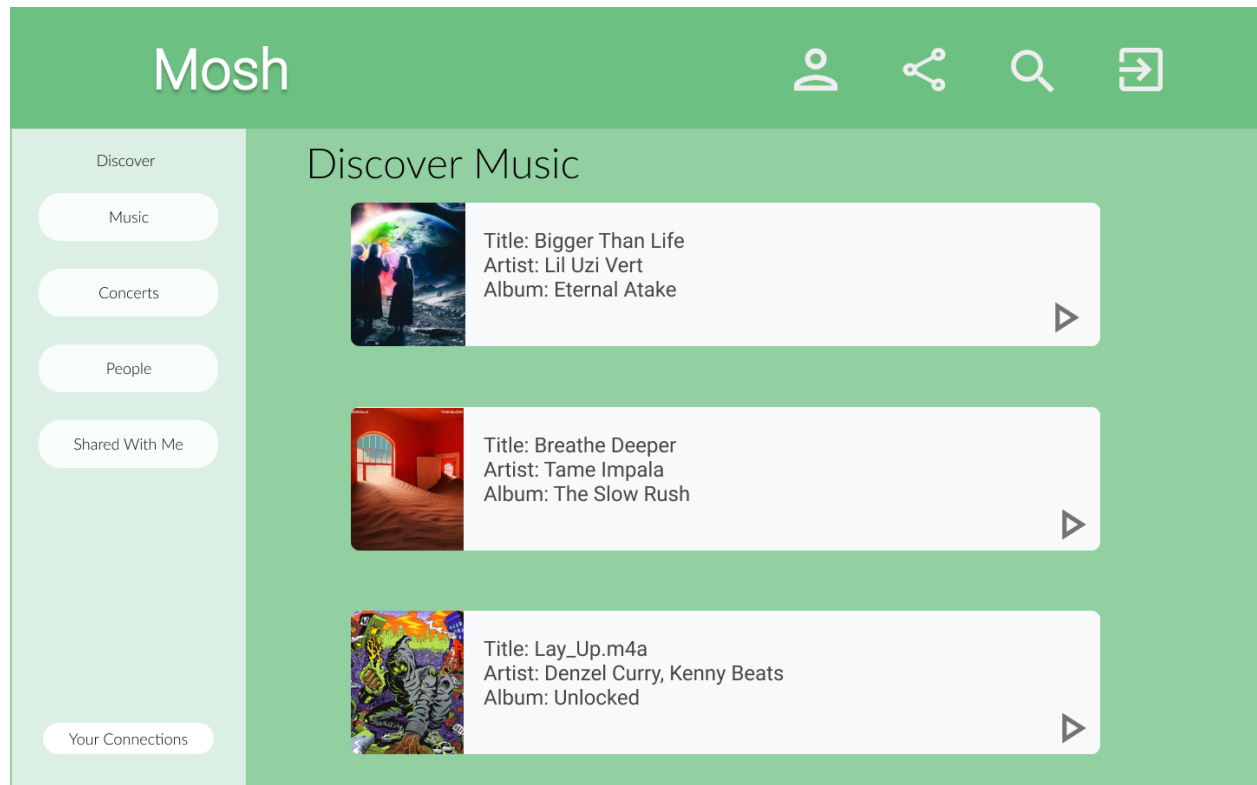
Discover People Page:

This page recommends the user new people who share similar interests to them. The discover sidebar directs the user to different discover pages e.g. Music, Concerts, People and Shared with Me. This sidebar also provides the option of viewing the users existing connections







Discover Music Page:

Clicking on the Music tab in the discover sidebar sends the user to this page and provides a list of recommended music based on the users musical interests. It also provides the option to play the music on the platform of their choice



Shared with Me page:
This Page provides a list of music that connected users have shared

Mosh



Discover

Music

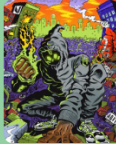
Concerts

People

Shared With Me

Your Connections


Shared with You



Title: Take_it_Back_v2

Artist: Denzel Curry, Kenny Beats


Album: Unlocked



Title: YOSEMITE

Artist: Travis Scott

Album: ASTROWORLD



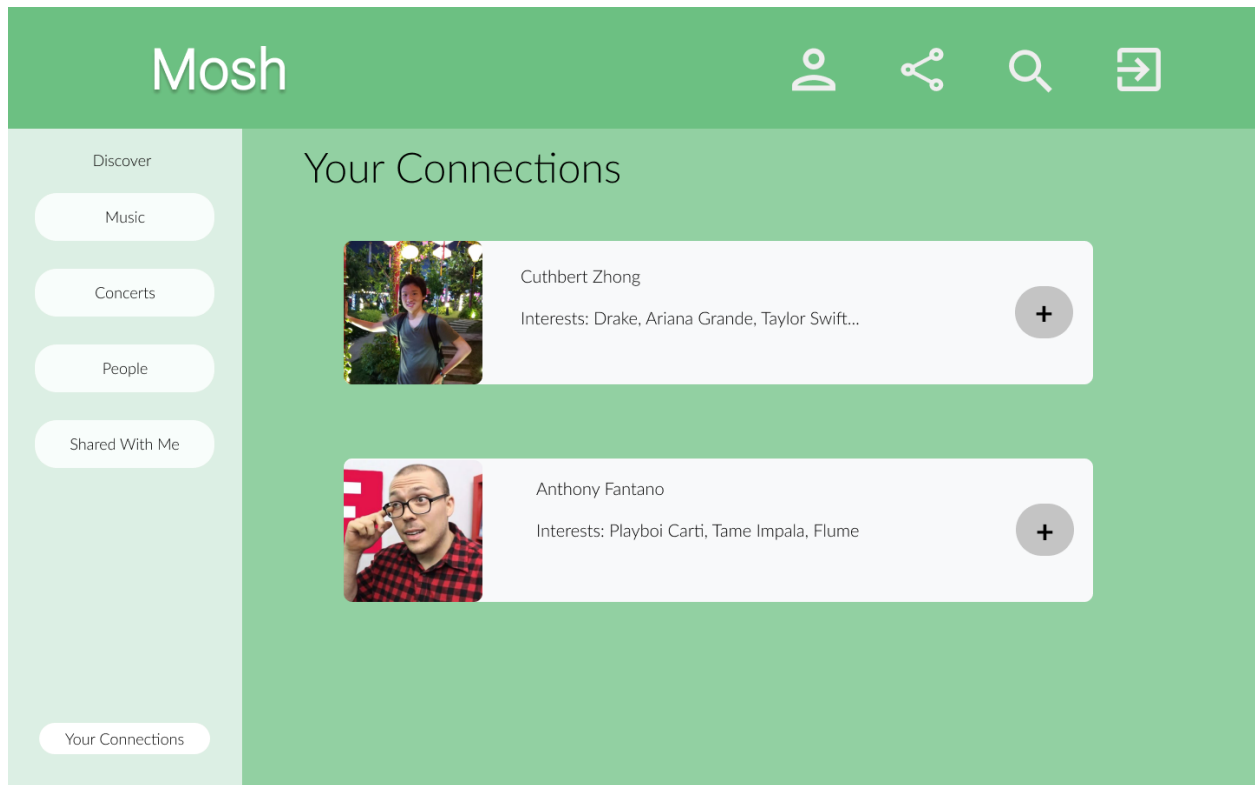
Title: STARGAZING

Artist: Travis Scott

Album: ASTROWORLD

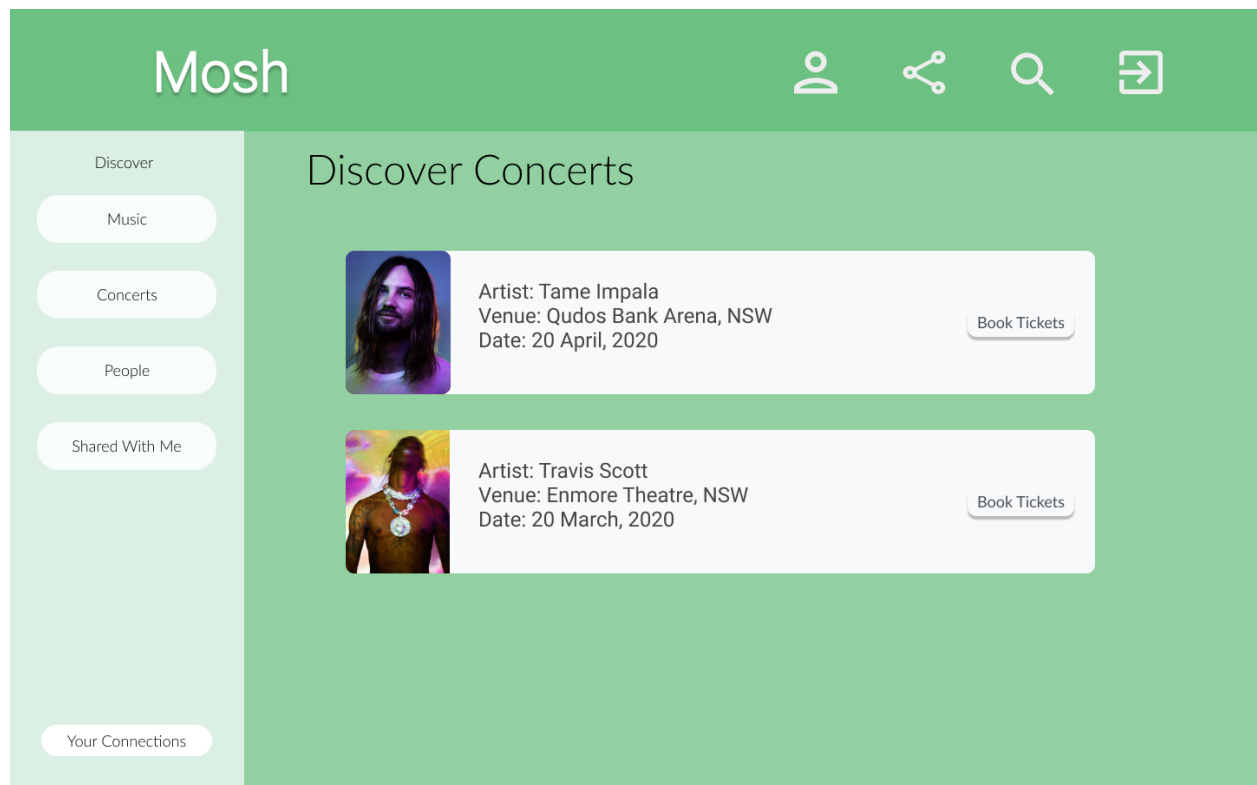
Connections Page:

This page provides a list of connected users and the option to view their full profile by clicking the plus button on the right of each user



Discover Concerts Page:

This page provides a list of recommended concerts that match the users interests and provides the option to book the tickets for any specific concert



Concert Page:

This page provides an in-depth description of the event and the option to book tickets on a ticket booking website



Book Tickets

Tame Impala

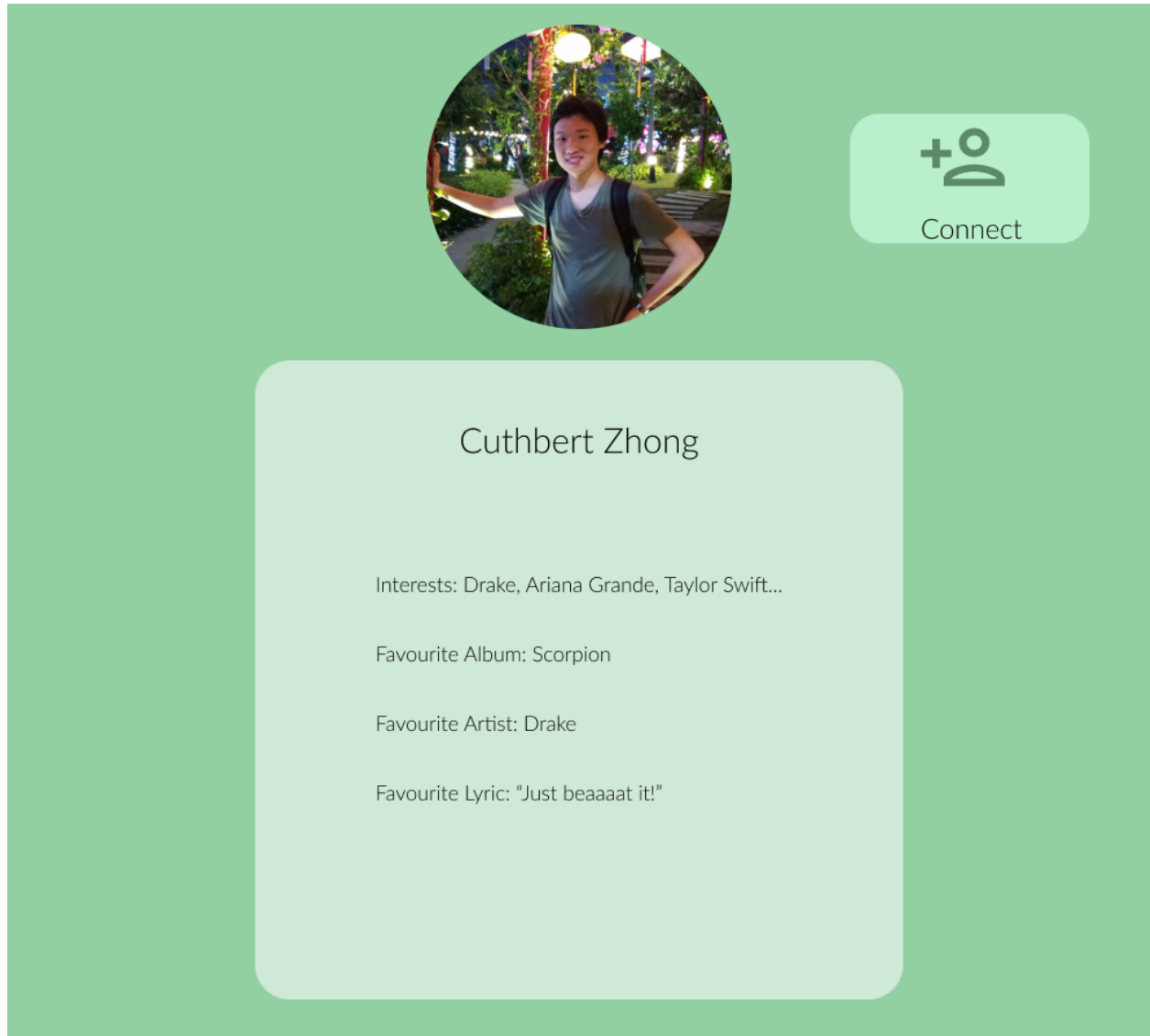
Venue : Qudos Bank Arena, NSW

Date : 20 April, 2020

With Special Guests: Khruangbin
This April, legendary psych-rock phenomenon
TAME IMPALA embark on their biggest ever
tour of Australia.

User Profile (not connected):

Clicking on the plus button in the discover people page for a users profile will send the user to this page. This page allows the user to view another users profile and the option to connect to that user by clicking the connect button



A user profile card for Cuthbert Zhong. The card has a green background. At the top left is a circular profile picture of a young man with dark hair, wearing a grey t-shirt and a backpack, standing outdoors at night. To the right of the profile picture is a light green rounded rectangle containing a dark green icon of a person with a plus sign, and the word "Connect" below it. Below the profile picture and connect button is a light green rounded rectangle containing the user's name "Cuthbert Zhong" and four lines of text: "Interests: Drake, Ariana Grande, Taylor Swift...", "Favourite Album: Scorpion", "Favourite Artist: Drake", and "Favourite Lyric: 'Just beaaaat it!'" data-bbox="116 167 884 702"/>

Cuthbert Zhong

Interests: Drake, Ariana Grande, Taylor Swift...

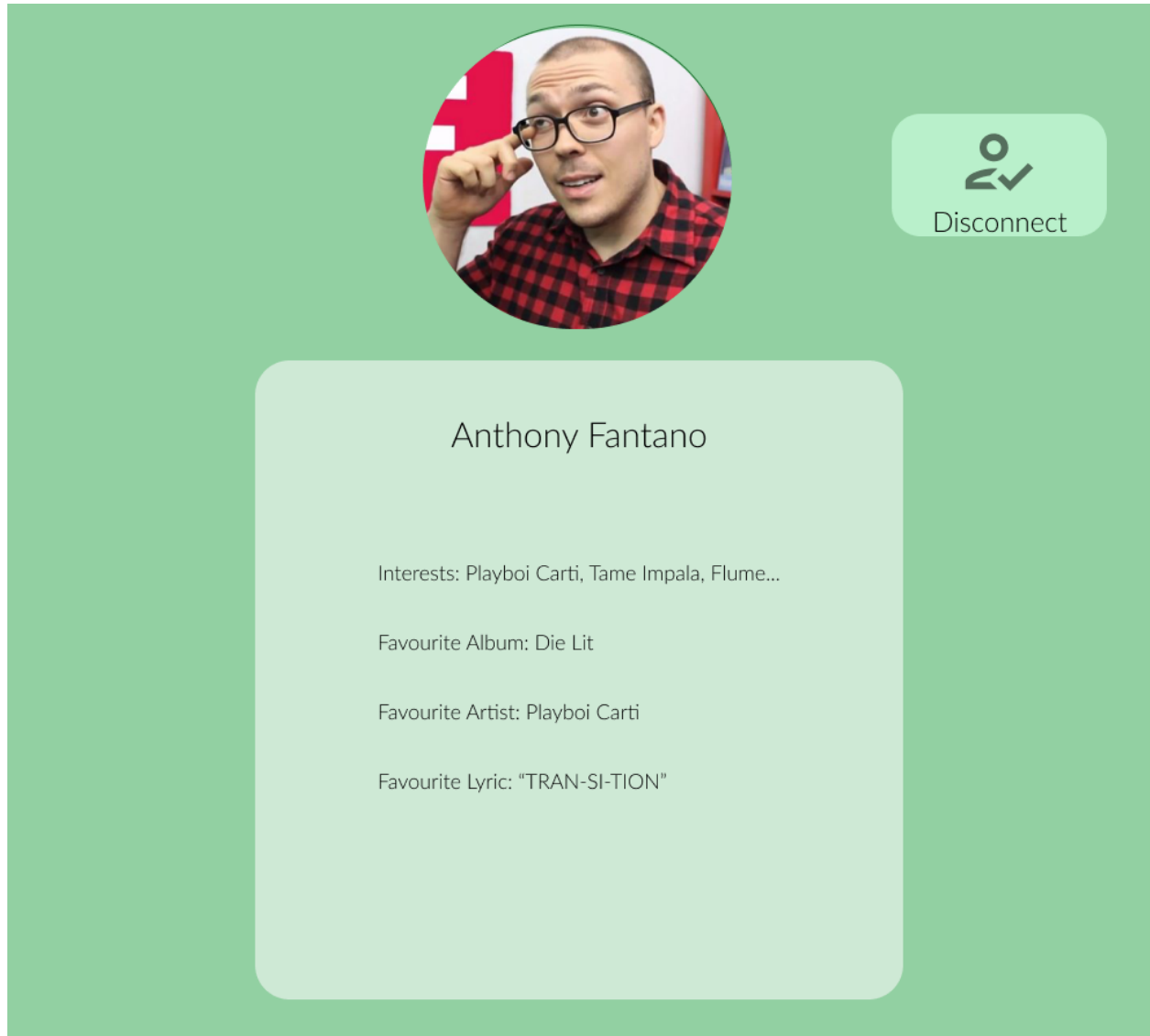
Favourite Album: Scorpion

Favourite Artist: Drake

Favourite Lyric: "Just beaaaat it!"

User profile (connected):

Clicking on the plus button in the discover people page for a users profile will send the user to this page. This page allows the user to view another users profile and the option to disconnect from that user by clicking the disconnect button



A user profile card for Anthony Fantano. The card has a green background. At the top left is a circular profile picture of a man with glasses and a red and black plaid shirt. To the right of the picture is a green rounded rectangle containing a white icon of a person with a checkmark and the text "Disconnect". Below the picture, the name "Anthony Fantano" is displayed in a large, white, sans-serif font. Underneath the name, there are four lines of text in a smaller, white, sans-serif font: "Interests: Playboi Carti, Tame Impala, Flume...", "Favourite Album: Die Lit", "Favourite Artist: Playboi Carti", and "Favourite Lyric: 'TRAN-SI-TION'".

Anthony Fantano

Interests: Playboi Carti, Tame Impala, Flume...

Favourite Album: Die Lit

Favourite Artist: Playboi Carti

Favourite Lyric: "TRAN-SI-TION"