

Team: Repeat Committers

Project Name: What's That Song?

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Overview

1. Project Sales Description

Are you a Musician or song writer that would like to collaborate with others who have similar taste in music? Do you have a portion of an original song that you made, and want help finishing the song? Do you just want to listen to good music? Our Goal is to provide a web application that would allow users to upload audio clips of original songs and allow other users to listen to them. Users would be able to connect with other users that they would be interested in working with.

Our goal is to provide an easy to use web application that will allow the user to search for and listen to unpublished songs and clips by searching by genre or other user's names. We also want to provide a search function for published songs simply by entering a phrase from the songs' lyrics into a search text box. Users will also be able to search for songs by artist and genre to narrow the search for the one song they are looking for. The user will be able to customize his or her profile with options that will allow the application to recommend music that might interest them.

2. Minimum Viable Product

The minimum viable product will Allow a user to create, login, and edit his or her user account. After logging in successfully the user will be able to edit his or her profile and add a favorite genre to their profile. The user will be able to upload their own audio files for other users to listen to. The user will be able to message other users via a chat function and connect socially so they can collaborate and just maybe become the next big thing in music. The user will be able to navigate to a search function that will allow them to enter text into a text box of a search form that will be used to search for a related song. A list of songs will display for the user to view and find the song they are looking for. The user will be able to narrow the search list by

adding an artist or genre to the search form. The user would be able to save a list of favorite songs.

3. 3rd party API.

The 3rd party api that we are going to use for our music search is musixmatch. The 3rd party api that is required for the stretch goal of playing the song from our web application is spotify. If we have trouble with musixmatch, alternative apis could be: Genius lyrics, AudD.

4. User Stories.

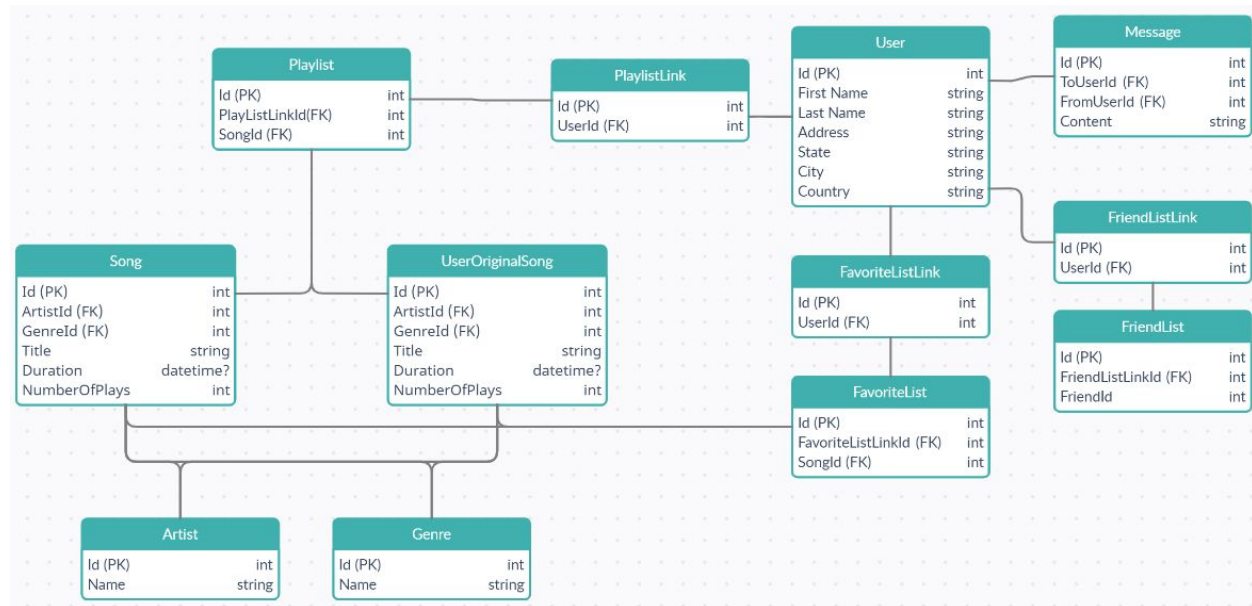
1. The user will be able to create, login into and edit his or her profile.
2. The user will be able to search for the title of a song based on a phrase of the lyrics of that song.
3. The user will be able to narrow the search result of songs by adding a genre or artist parameter to the search.
4. The user will be able to add a favorite genre, songs to their profile.
5. The user will get a suggested song based on their search history and profile genre choice.
6. The user will be able to listen to the song if it is available on the youtube api.
7. The user will be able to contact other users with the same taste in music.
8. The user can send messages to other users via chat.
9. The user can listen to songs from youtube that they searched for.
10. A user will be able to create a favorites song list for other users to see and find other users with the same musical taste.
11. The user will be able to upload audio of their own original songs to collaborate with other users.
12. The user will be able to listen to original songs that have been uploaded by another user.

5. Stretch goals

1. Give the user suggested songs based on their search history and genre choice in their profile.
2. Allow a user to add a personal picture to his or her profile.
3. Allow a user to download the original songs.
4. Allow users to hear the most popular song or unpublished song at the time.

6. Data Model

Tables will consist of: User, Message, FriendListLink, FriendList, FavoriteListLink, FavoriteList, PlaylistLink, Playlist, Song, UserOriginalSong, Artist, and Genre. ViewModels will be: UserViewModel, SuggestedSongViewModel, FavoritesViewModel, SongPlayingViewModel, and MessagingViewModel, SongDetailsViewModel, FriendsViewModel.



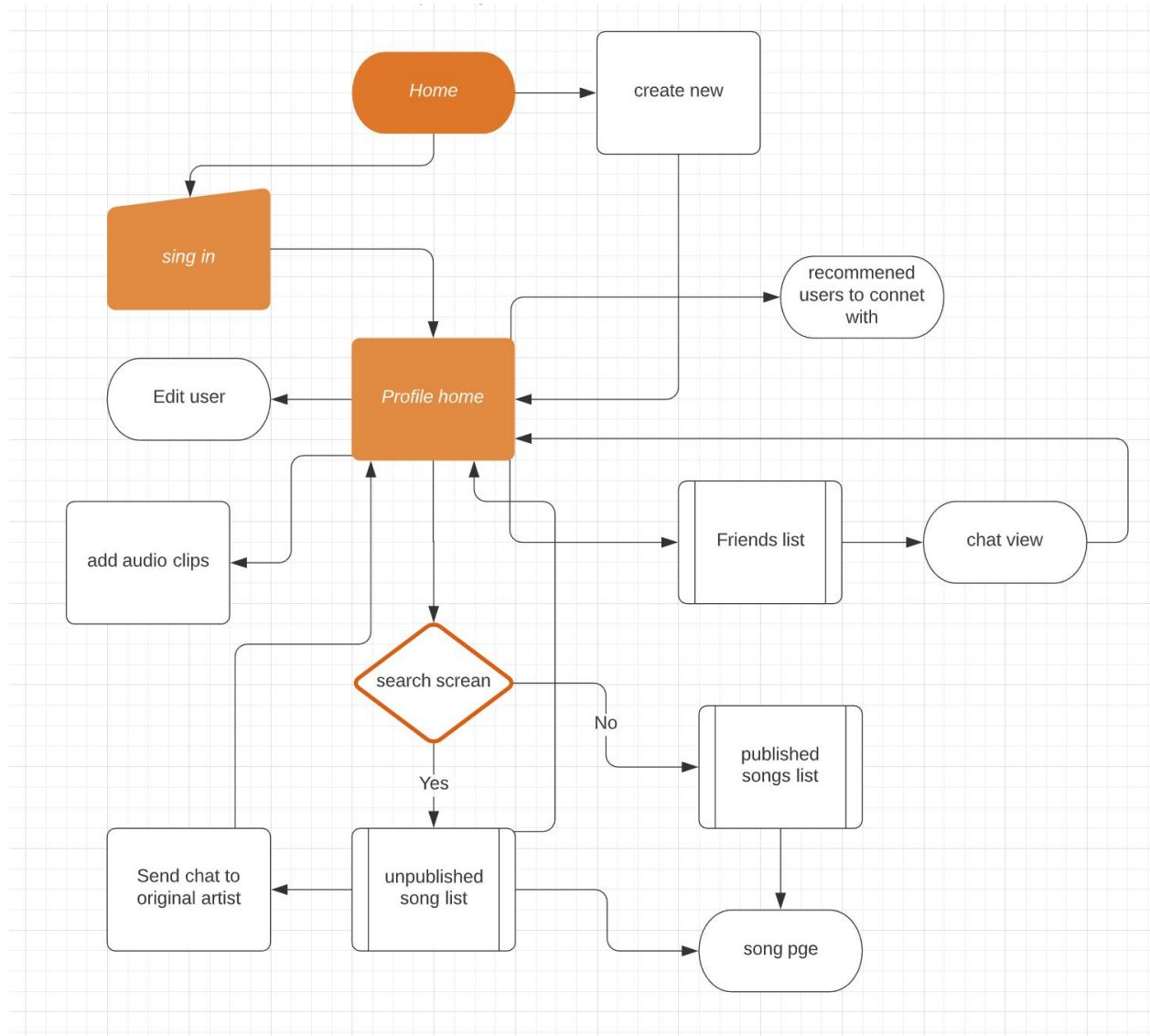
8. User Interaction Model

Home Page: Login, Register + top daily tracks component

Home Page 2: Top daily Tracks component + search component

Search Component: Text field + Additional Options(genre) + Results component with track info + lyrics

Profile Page: Ability to set favourite songs //, genres, artists.



9. Link to the repository and trello board

https://github.com/12142020-dotnet-uta/P2_RepeatCommitters

<https://trello.com/b/bUiUMrAn/whats-that-song-development>