

Team: Repeat Committers

Project Name: What's That Song?

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Overview

1. Project Sales Description

Have you ever had a portion of a song stuck in your head, and you wanted to know what the title of the song was and who was the artist? With our "What's that song?" Web application, you will never have to wonder again. Millions of people around the globe have been frustrated that they can't remember the name of that song. Or perhaps they want to listen to the entire song. They may want to purchase the song for their personal collection.



Our goal is to provide an easy to use web application that will allow the user to search for and listen to a song, 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 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 3rdparty 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.

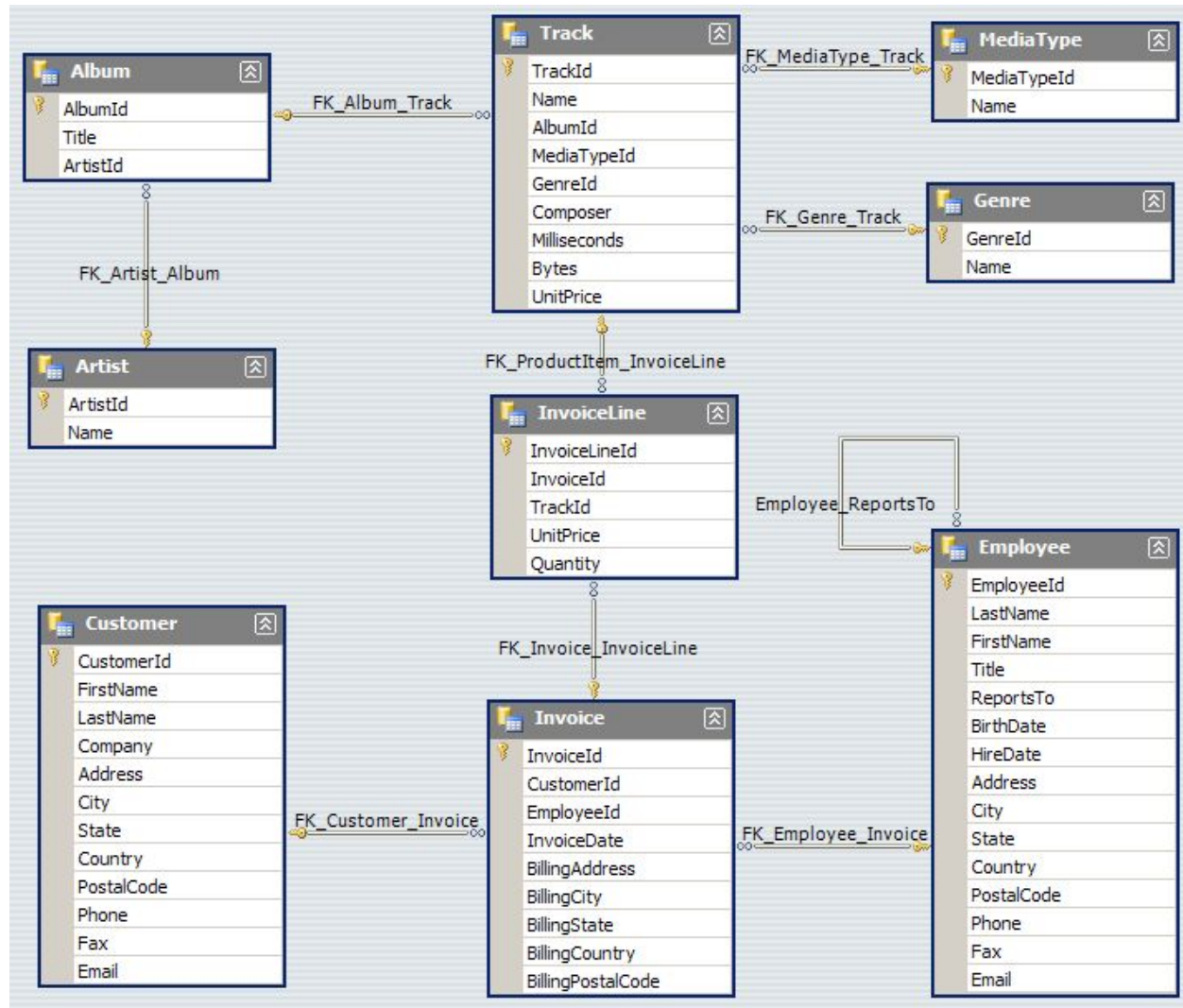
1. The user will be able to create, login into and edit his or her profile.
2. The user will be able to search for the title of a song based on a phrase of the lyrics of that song.
3. The user will be able to narrow the search result of songs by adding a genre or artist parameter to the search.
4. The user will be able to add a favorite genre 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 spotify api.

5. Stretch goals

1. Connect to the spotify api. Allowing users to listen to the song they are searching for.
2. Give the user suggested songs based on their search history and genre choice in their profile.
3. Allow a user to add a personal picture to his or her profile.

6. Data Model

Tables will consist of: Employee, Customer, Invoice, InvoiceLine, Artist, Album,Media Type, Genre, Track. ViewModels will be: CustomerViewModel, SuggestedSongViewModel, FavoritesViewModel, SongPlayingViewModel, and InvoiceViewModel.



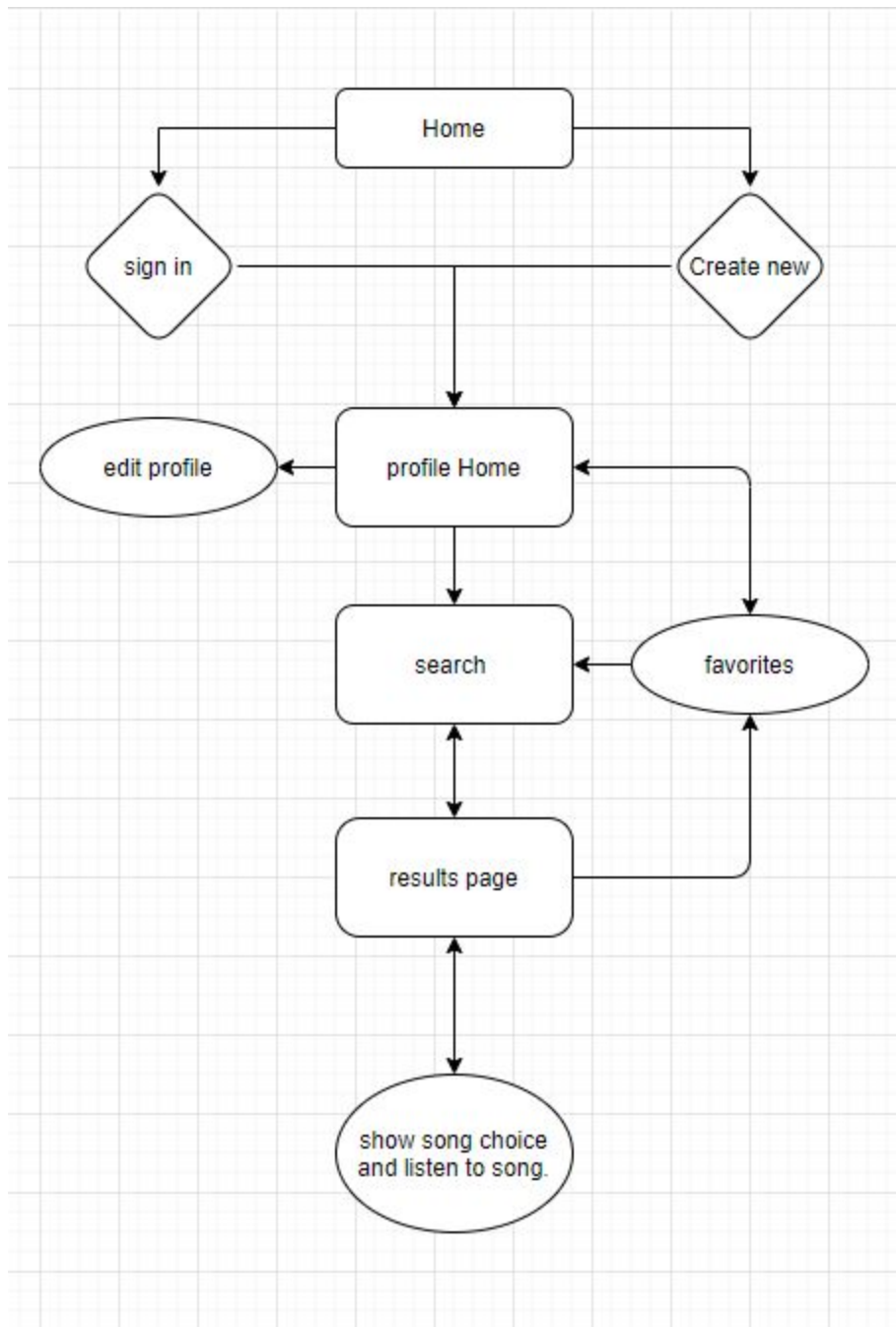
8. User Interaction Model

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>