

Application Name: PinMusic

Project Description:

Goal

The goal of this application is to allow people to connect their location to their music and the memories that are associated with it. It makes an area that may be traversed by many a music hotspot and shows the vibe and environment that goes on when people congregate or even pass through. Pins can be sorted by popularity and frequency. Can be “liked” to show popularity. It also allows users a personal experience of sharing their favorite song to that location so when they pass through it again they are filled with the same memories of when they first dropped the pin.

Planned scope

Functionality:

- User can pin a playlist/song of spotify to his/her location
- User can view other pins on Map and play their playlists/songs
- User can “like” playlists/songs
- Database that uses the pin information and saves it with the song

Fallback goals:

There are a few changes to make if the project is unable to achieve its planned scope:

- Drop the operation on playlists and user can only manipulate songs.
- Drop the playback function

The project’s functionality will be:

- User can pin a song
- User can view other pins on Map
- User can “like” a song

Stretch goals:

Below are additional features that hard to achieve but can achieve given enough time

- User can see sorted playlists/songs by popularity (number of “like”) and frequency (number of visits)
- User can share a playlist/song
- User can comment on playlists/songs
- User can archive playlists/songs to their own spotify
- User can see comments attached to the other pins
- Varying radius size for searches

Web Services

Google Maps -- for determine their location and see other pinned location

Spotify -- for linking music and archive music(stretch goal)

Database Template / Storage Template -- for listing music(sorted or not) and comments(strech goal)

Facebook -- for sharing our app, for sharing music(stretch goal)

Instagram -- for sharing our app

Twitter -- for sharing our app

<https://developer.spotify.com/technologies/widgets/examples/three/>
<https://support.google.com/maps/answer/144361?co=GENIE.Platform%3DDesktop&hl=en>
<http://www.buytemplates.net/promotion-templates/web-database-templates.php>
<https://stackoverflow.com/questions/33586351/store-data-on-a-web-page-without-a-database-using-html-javascript>
<https://developers.google.com/maps/documentation/javascript/overlays>

Background Story

Imagining when you were visiting a new place, you were walking down the street or sitting in a bar, the music was playing in the background and you just want to remember the feeling. This is where our application comes in handy. You can pin your music on the map and relive your valuable memory by certain significant music.

By exploring music around the world and sharing your music story, you can own this huge music travel journal so do 30 billion people. You share your feeling, your story, your music, and there is always someone listening. You are also one of 30 billion people, you listen, you learn, you feel the culture, the place, the city.

You will feel an invisible connection between you and someone on the other side of the world, you will feel someone understand you, your footmark, precious memory is everywhere. You will gain so much joy beyond the basic functionality of our application.

Development Challenges

- Once we drop the pin on Google map, we will need to access or link that pin somehow to a song/playlist.
- Having a playback option for playing the song when viewing the pin
- Storing the information in an online database
- Learning the proper layout for all these web services working together
- Maximizing the use of Google Maps - Search radius, Pulling popular pins
- Learning new programming language and technique
- Learning frameworks or services which we are unfamiliar with
- Difficulty in getting authentication and similar privileges
- Difficulty in linking application created by different programming languages

Organization Plan

Ian - Framework implementation, testing

Suqian - Design work and website layout

Tom - Framework implementation, testing

Website: <https://github.tamu.edu/pages/wangsuqian123/CSCE315TeamProject3/>

Source Code:

<https://docs.google.com/document/d/1bvt-FNgz24WTHwuQvQzjAeg7XYOR36JJ4OXbFoqskc/edit?usp=sharing>