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**Springboard Capstone Project 1
Proposal**

Music Sharing Platform

API: Spotify

1.-Site Goal

The goal of this site is to expand the knowledge and the reach of good music; expose upcoming artists and provide a different approach for users to get to know more music:

Some other goals might include:

- Offer a place for users to share openly their thoughts on music and connect with other users through stories votes, playlists similarities, etc.

- Provide a comprehensive structure for music discussion.

2.-User demographics

The demographic of the users varies a lot in age, but due to explicit content in some lyrics the platform must require all members to be adults 18+. Age groups goes all the way up on pair with Spotify's own demographics. Typically the biggest share will be among the 18-45 age group. In that age group, only the users with a strong interest in music or popular trends, will be interested in the network during its initial stage. So the demographics will in that sense will be limited to urban groups, students and heavy social media consumers.

3.-Data to be used

The platform will use data mainly from Spotify's own database. Which consist of JSON indexed files that can be associated with the platform own files. The platform will store principally text data, in the form of threads, comments, titles, usernames. Additional info might come in the form of id's for threads, titles, comments, user and boolean info for favorites, upvotes or downvotes.

4.-Project outline

a) Database schema
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b) Issues with API

• Wrong communication with Spotify's app.
• Duplicities in usernames
• Incorrect Flask routes for every thread.
• Association with the wrong content.

c) Sensible information that will need to be secured:

• Passwords and emails from the Music Sharing Platform site.

d) App functionality:

• Threads on different levels of organization: artists/albums/songs/playlists/generas can become a thread by their own.
• Every thread can divide into specific topics in the form of tags.
• Music information about songs or playlists can be created.
• Opinions from upvoted users can show up at first.

e) User flow:

- Log in.
- Find content form displayed forms: artists/albums/songs/playlists/
  generas (from Spotify's API).
- Select, start and see displayed threads on each item.
- Add comments, upvote comments and save in favorites.

f) More than Crud

There's added functionality, Spotify is the source of the information, it will use its structure but on top of that users are able to start threads with titles and comments, users will have their own profile that will show some of their information.