

# Capstone 1

1. My goal for the site is that users can create playlists with songs and from their favorite artists. I will have a way to favorite artists and store them in a list. I want to implement a feature that could create a randomized playlist of a given length like 10 or fifteen songs from those artists with the goal of helping people hear more songs from artists. I find most people only tend to know the top played songs and neglect the others.
2. Fans of music looking to spice up their playlists or find new (to them) favorite songs from their favorite artists.
3. I plan on using the Spotify API to build the playlists.
4. Outline:
  - a. Database schema will have a User model, an artist/favorites artist model, a playlist model and possibly more if I find I need them.
  - b. Issues could be if an artist is not found, or if some of the data comes back blank. Also, it could return the incorrect artist if there are some with similar spellings of names. Another issue could be if they only have 2 artists liked and want 10 songs, instead of getting one song from each artist, I would have to split the amount to get equal songs from each artist.
  - c. Sensitive information would just be user login info being hashed with bcrypt.
  - d. A search for artist function, an album filter, a like button, a playlist and a button to randomize a playlist based off filtered.

- e. User flow would be to register, find artists, like artists as a whole and add songs directly from the query. Once there are favorite artists I could just pull a random song from the artists in the likes list and give back a given length i.e. 8 songs, 10 songs.
- f. Only stretch goal is the randomized playlist feature. This sounds hard, but manageable.