

Museek

This application is a one-stop site for fans of music. With simple interactions, a user can look up an artist and dive into their music and real-time updates about that artist. They can look into where that artist will be touring and get info about new songs that artist releases. Museek should provide music fans a centralized way to explore every facet of an artist's music without leaving the site.

Scope: Incorporates data pulled from Songkick, Spotify, and Twitter and displays it in an easily accessible format. Displays recent tweets both from and about the artist. Concurrently displays past concerts and songs by that artist. This is accomplished by retrieving data from all three APIs and joining the data together inside a database.

Fallback goals:

- Save a user's artists either through a random string key or user login
- Search for a song by lyrics

Stretch goals:

- Filter tweets based on currently selected song/concert
- Find similar artists based on concerts/tweets

We will be using Songkick, Spotify, and Twitter for this application. Songkick provides an API for information about past, current, and upcoming live music. Spotify's API provides a list of songs by artist that the user can access. Live updates on the artist can be provided using the Twitter API. The best part about all of these APIs is that they are free.

One situation a potential user could begin using Museek: A user hears an amazing song on the radio and immediately wants to know who made the song to see if they would like other music from that artist. They do like the artist's other music and want to explore more about the artist. Wikipedia is clunky and sites like Ticketmaster feel like they want your soul before you can continue searching. They think "Wouldn't it be nice to have one website where I can nerd out about this artist?" This website exists for that purpose. It will provide a user-friendly experience where music fans can keep up to date with their favorite artists and can plan trips to see them live. It will also allow users to explore an artist and filter their results in meaningful ways.

Our group will face many challenges for this project. None of our group members have significant experience with HTML, CSS, or JavaScript and none of us have much experience interacting with web APIs. This is all new ground for us and we have to do this in a few short weeks.

We have decided that Alex Pham will focus on front-end code incorporating the HTML and CSS of the website. Donald Van Steenwyk will concentrate on the back-end code and developing JavaScript functionality. Joseph Orosco will work mainly on API connection and integration.