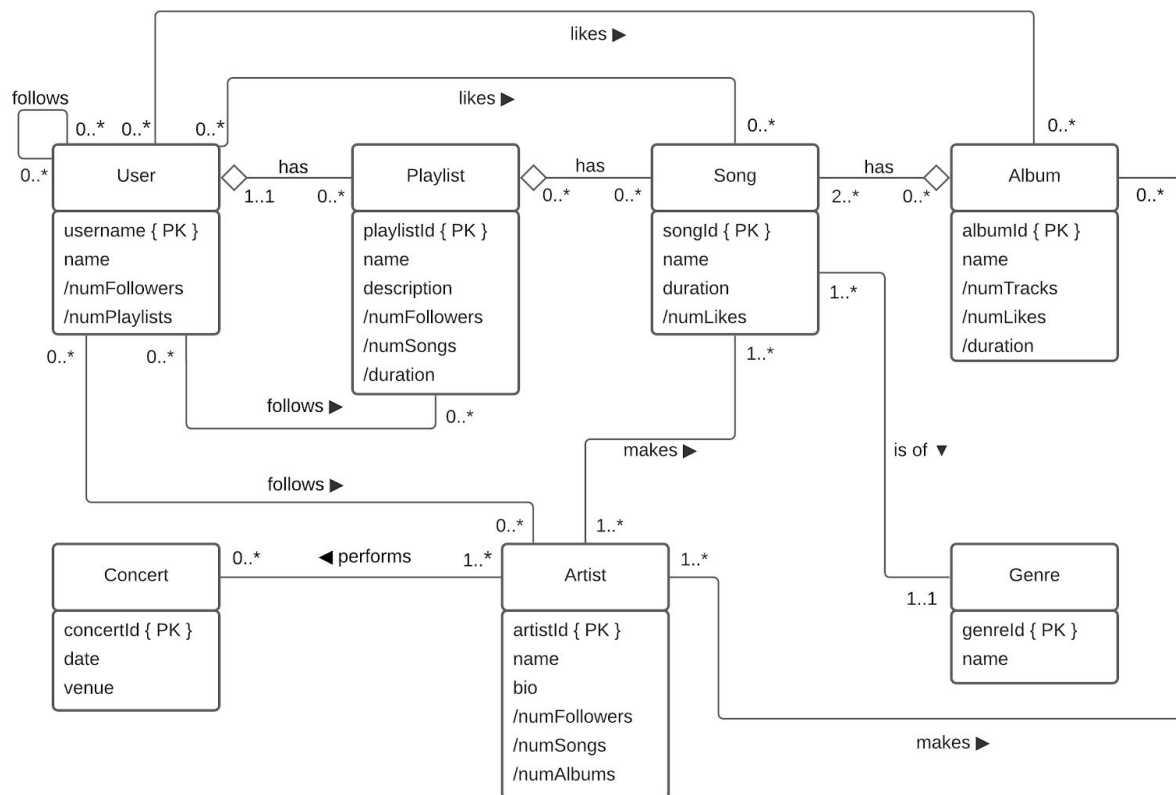


A top level view of my final project is a web application where users can manage playlists, like songs and albums, and follow artists and users. Music and playlisting are a huge part of my life and creating my own method of remembering songs and playlists unlinked to a specific platform would be great. The application will use SQL storage with MySQL DBMS. The backend will use Java (SpringBoot). There are no machine restrictions for the project. The current plan for implementation is to use React (and likely Redux) with Javascript, HTML, and CSS to create the web app. Initial data collection will use csv files (Excel, Google Sheets, etc.). If time permits, Spotify integration with their developer Search API could be used to search for songs to add to the database for the playlist, song, album, and artist tables.

The data itself will include users, artists, albums, songs, playlists, and genres. Users are application users, and may require implementation of a login system to view followers and associate created playlists, liked songs and albums, and followed entities to the specific user. The other entities are self explanatory and data will be generated using existing data for albums, songs, and playlists. The design may be updated (if time permits) to differentiate between albums, EPs, and singles instead of the generic album-song approach initially described.

Here is the UML diagram for the initial conceptual design of the project:



Here is an activity diagram to describe user interaction with the application:

