

Music Streaming Service Concept Blueprint

In the Music Streaming Service DBMS, we plan to have many functions including but not limited to:

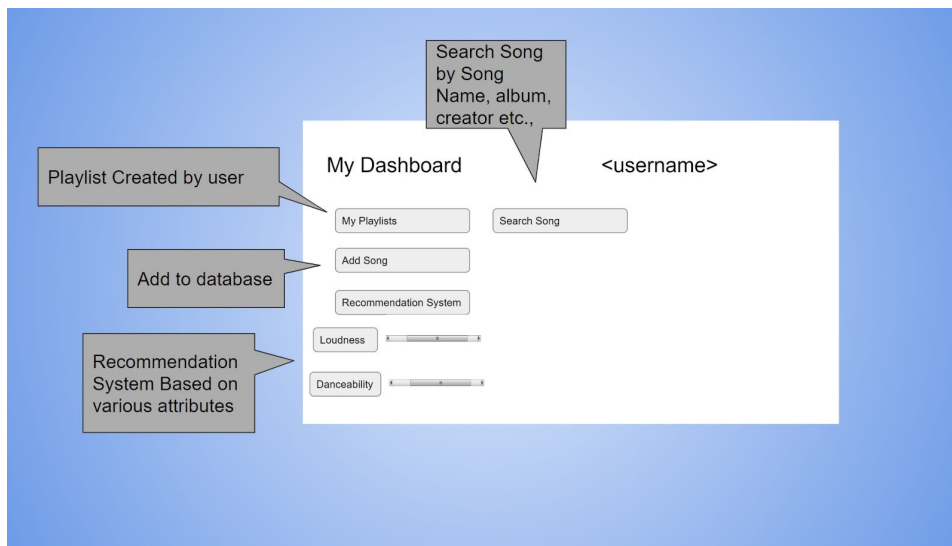
Playlists: Which can be used to create personalized playlists by the user and also access other playlists as well.

Adding: To contribute to the database by adding songs and their respective attributes

Searching: Classic Query function based on artist name, album name etc.,

Recommendation System: By inputting your preferences, the system searches the database for the top 10 songs closest to your preferences.

The UI concept below:



We are planning on using the Python Flask Module as the web framework, and using MySQL as the database. We will also be using free bootstrap web page frameworks as a blank canvas and build on that, which means designing HTML web pages.

The database we will be using is from data.world and appears to be collected by Spotify web API.

https://data.world/kcmillersean/billboard-hot-100-1958-2017/workspace/file?filename=Hot%20100%20Audio%20Features.xlsx&fbclid=IwAR2mdXXY-qz24r_UyPIpruIb9VGHY4l8_ahv-vc8lDvRu9zL6lTYEfscxR4