

# Music Streaming Service Concept Blueprint

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

**Account:** Each person has an individual username and password which require registration.

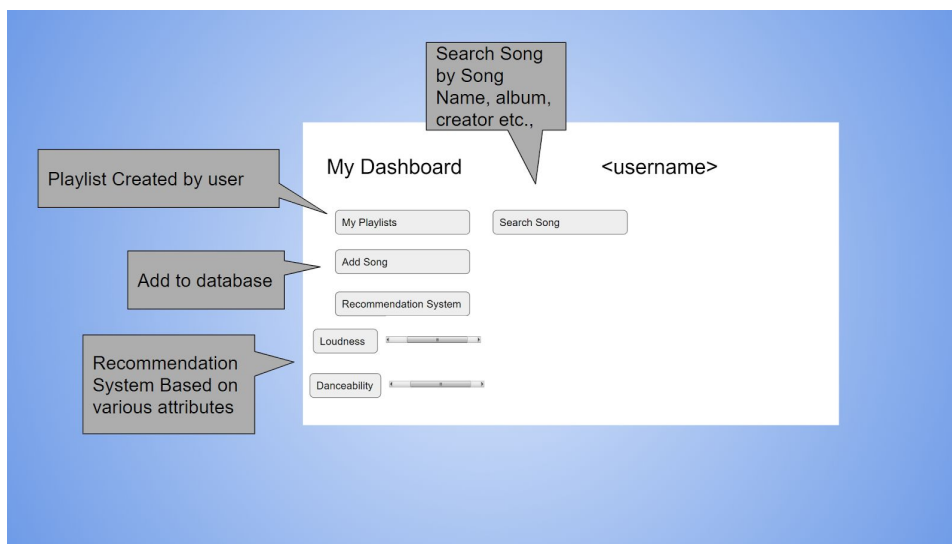
**Playlists:** Which can be used to create personalized playlists by the user and also access other playlists as well.

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

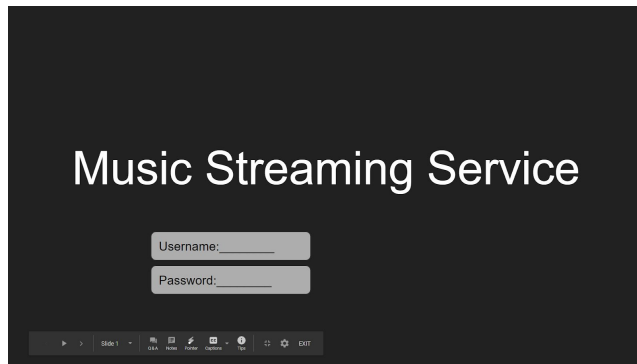
**Searching:** Classic Query function based on artist name, album name etc.,

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

The UI concept below:



Front Page UI:



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\\_UyPIpruIb9VGH y4l8\\_ahv-vc8lDvRu9zL6lTYEfscxR4](https://data.world/kcmillersean/billboard-hot-100-1958-2017/workspace/file?filename=Hot%20100%20Audio%20Features.xlsx&fbclid=IwAR2mdXXY-qz24r_UyPIpruIb9VGH y4l8_ahv-vc8lDvRu9zL6lTYEfscxR4)