User
- username
- name
- email
- password

Like

Playlist
- name

Room

Participant
- User

Song
- title
- artist
- likeCount

User **n** Has **1** Like

User **n** Has **1** Playlist

User **1** Has **1** Room

Playlist **1** Has **1** Room

Room **n** Has **1** Participant

Like **1** Has **n** Song

Playlist **n** Has **n** Song

<u>Entity Descriptions</u>

User: A unique registered user in our database. Has attributes such as username, name, email, and password.

Like: The number of likes that a song has. Each user is allowed to like each song once.

Song: Representation of a singular song in our database. The same song can belong to multiple playlists.

Playlist: A list belonging to a particular room and contains songs. A playlist can contain multiple songs.

Room: A structure in our database that contains a playlist and multiple participants, as well as a host.

Participant: A wrapper structure around User to represent a single participant in a room. Each participant belongs to a single room at a time.

<u>How We Use the Entities</u>

Account Info: The Account Info page lists the active User's information, such as name, email, etc.

Playlists: The Playlists page lists the active User's Playlists. Each Playlist, when opened, contains a list of Songs, which have attributes such as song name, artist, and album.

Room: The Room page shows the current Playlist belonging to that room that is being added onto by the Participants of the Room. The Playlist contains a list of Songs, which have attributes such as song name, artist, and album. Each song also has a Like count, indicating the number of likes that the song has. The Room page also shows a list of Participants that are currently in the room.