Entities:

I. **User**:
   - o Description:
     - Contains the information on each of the singers.
   - o Attributes:
     - A unique identifier for each user.
     - The name of each of the users.
   - o Relationships:
     - The user can search for a song by song name.
     - The user can search for a song by artist name.
     - The user can search for a song by contributor.
     - The song file is given to the user.
     - They can add the song to one of the two different queues.

II. **Songs**:
   - o Description:
     - Stores the information on each of the songs.
   - o Attributes:
     - A unique identifier for each song.
     - The name of the song.
   - o Relationships:
     - The user can search for a song from the table.
     - The ID from the artist can be supplied to find all the songs by that artist.
     - The ID from the contributor can be supplied to find all of the songs by that contributor.
     - The ID is passed to the karaokeFile to find which version to use.

III. **Artist:**
   - o Description:
     - Stores the information on each of the artists.
   - o Attributes:
     - A unique ID for the artist.
     - The name of the artist.
   - o Relationships:
     - The user can look up one of the identifiers to find the artist.
     - The artist can then be supplied to look up all the songs by that artist.

IV. **Contributor:**
   - o Description:
     - Stores the information on each of the contributors.
   - o Attributes:
     - A unique ID for the contributor.
     - The name of the contributor.
     - The contribution the contributor made.
   - o Relationships:
     - Can be searched to find a song by the user.

V. **ContributeTo:**
- o Description:
  - Holds the ID of the contributor from the song.
- o Attributes:
  - An ID to represent the contribution from the contributor to the song.
- o Relationships:
  - A contributor is given and searched from the songs table.

VI. **KaraokeFile**:
- o Description:
  - Holds the different versions of each song.
- o Attributes:
  - A unique identifier for each song.
  - The name of the type of version.
- o Relationships:
  - The song version to look up is passed from the song entity.
  - The identifier is returned to the user.

VII. **FreeQueue**:
- o Description:
  - A queue to add non-paid songs into.
- o Attributes:
  - An identifier to hold each request.
  - The time the user is to sing.
  - A Boolean value to see if the user has gone.
- o Relationships:
  - The song and information are passed by the user entity.

VIII. **PaidQueue**:
- o Description:
  - A queue to add paid songs into.
- o Attributes:
  - An identifier to hold each request.
  - The time the user is to sing.
  - A Boolean value to see if the user has gone.
  - The price of the queue position.
- o Relationships:
  - The song and information are passed by the user entity.