# Proposal Template:

**Project Participants:**

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**Title:**

Music Department Performance Library

**Executive Summary:**

We are creating an API intended to be used by a music department to log into a database that holds all relevant information pertaining to performances held within that music department. Users will be able to access this database to add performance details, including names of performers, the date of the performance, and titles and composers of the pieces performed. Users will also be able to see details about previous performances, as well as updating and deleting information about those performances.

**Initial Features:**

- Entities:
    - -Composer (one to many with song)
    - -Performer (one to many with song) (one to many with composer)
    - -Song Type (Solo vs Ensemble) (one to many with song) (many to many with composer)
    - -Song Title (one to one with composer, one to many with performer)
    - -Performances (one to one with song title) (includes date, performer, instrumentation)

- A User can perform the following operations:

- Add performances to the database
- Add songs/composers to the database
- Update/Edit songs/composers in database
- Delete Songs from database
- Delete performances from database
- Browse all songs/composers/performances
- View how many times a song has been performed

**Stretch Goals (to be completed if time allows, or after graduation):**

- Leave comments or reviews on performances
- Leave comments or reviews on songs
- Notate how many music scores are available in the music library for a song
- If a song has been performed x number of times within a date range, it is unavailable to perform until a certain date