

THOMAS LE

PROMINEO TECH FINAL PROJECT

Dance Dance Revolution Song Database

Executive Summary:

This project is a current database of the official Dance Dance Revolution (DDR) songs in existence. The main intention of this project is it's a specified database for the current DDR songs where users can find information about DDR songs and comment under each song (essentially leaving a review).

For the purposes of this project, I'll only be implementing songs from the current version of the game (DDR A3) as there are over 1,000 DDR songs in existence.

Initial Features:

Features/Endpoints for a DDR_Song API:

- Entities: Users, Posts, Comments, DDR Songs
- A User using the API can perform the following operations:
 - Create new user (POST on users)
 - Browse all existing songs in the database (GET on ALL ddr_songs)
 - Find information about a specific song in the database using with the song_name as the input (GET on ddr_songs WHERE song_name = ?)
 - Add a new song to the database (POST on ddr_songs)
 - Update an existing song in the database (PUT on ddr_songs)
 - Delete an existing song in the database (DELETE on ddr_songs)
 - Leave a post corresponding to a song (POST on posts)
 - Leave a comment corresponding to a post (POST on comments)

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

These features will be implemented as time goes by for the api.

- Browse songs by genre (GET on genre specified)
- Browse songs by mix (GET on mix specified)
- View all details about a specific song by name (GET by song_name in ddr_songs)
- Read specific reviews on a DDR_Song (GET on posts & comments)
- Adding in all songs and continuously updating them.
- Mobile application so this could be used on-the-go. Very useful in tournaments where there's little time to prep for each song.
- Allow users to favorite songs and have their own list of songs.
- Force login information for users.
- Update personal user information

Github link: <https://github.com/AkemiTCGyt/PromineoTechFinalCodingProject>

Video Link: <https://mega.nz/file/LxsWkaKS#anm5xaBc1Mnu1zh3o1BYK226uYPh7-rRvKXsKqMDNPA>