Database Outline

Our project will be a database of different kinds of media. Users will be able to delete, add, and update different entities in the database. User's will also be able to see what others have put into the database. The different kinds of media will be:

TV show

Movie

Video Game

Music

Entities: TV show, Movie, Video Game, Music.

'TV_show' Attributes:

      showID [int] Primary Key

      Title [String] The title of the show

      Genre [String] Which genre the show falls into

      Producer[string] The producer who produced the show

      Episode_count [int] how long the series is.

      musicID[int] foreign key, can be null, if it has music it will reference it here

      movieID[int] Foreign key, if the show is related to a movie (ex. Marvel universe shows), it will reference the movie here.

'Movie' Attributes:

      movieID [int] Primary Key

      Title [String] The title of the movie

      Genre [String] Which genre the movie falls under

      Director[string] The director of the movie

      Run_time [int] How long the movie is in minutes

      musicID [int] foreign key If there is music usded, it will reference the music

'Video Game' Attributes:

gameID [int] Primary Key

Title [String] the title of the videogame

Genre [String] The genre the game falls into

gameStudio [int] The studio who made the game

musicID [int] foreign key If a game has music that references a song, this will relate it to it

tvID [int] foreign key If the game is related to a tv show, it will be referenced here

movieID [int] foreign key If the game is based on a movie, it will be referenced here

'Music' Attributes:

musicID [int] Primary Key

musicName [String] Name of the song or music

Artist [String] The person or group who created the music

musicLength [int] how long the song is in minutes.

Relationships:

TV, Movie, Videogame can have multiple music, and a music can be associated with multiple media types.

A single song can be associated with many movies, tvshow, etc.

A TV show can be associated with zero to one movie, and a movie can be associated with zero to one TV show.

A videogame can be associated with zero to one tv show, or zero to one movie.