KaraokeBar

+ name: string

+ entry_fee: integer

+ rooms: array of Rooms

+ songs_available:
indexed array of Songs

+ songs_audio: indexed array
of song video files

+ get_entry_fee(Guest, integer):
boolean

+ refuse_guest(Guest)

+ check_in_guest(Guest, Room)

+ setup_jukebox(array of Songs,
Room): JukeBox

Room

+ name: string

+ capacity: integer

+ guests_in_room:
array of Guests

+ room_jukebox: Jukebox

+ method(type): type

Guest

+ name: string

+ wallet: integer

+ favourite_song: Song

+ method(type): type

Song

+ title: string

+ artist: string

+ picture_file_name:
string

+ index_number: integer

+ method(type): type

JukeBox

+ song: Song

+ index_number: integer

+ songs_chosen: hash of Songs

+ choose_song(songs):
 index_number

+ make_song_list(array of Songs):
hash of Songs

+ get_song(index_number):
SongVideo

+ play_song(SongVideo)

I was planning to add a jukebox class to the rooms
to search and play the songs.

I was planning to store searchable information for
the songs in an array indexed by numbers, for
faster searching.

The same numbers could then access the audio data
in storage that doesn't get passed around as much.

I spent a lot of time starting this diagram and then
realised I was over complicating things so I went
on to starting the programming instead.

I'd like to bring it all back together but I'm out of time.

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