Ideation Report

Project Tile: Karaoke Song Selection Web App

1. Introduction:

   Efficiency of Karaoke song selection is an important indication of quality of the Karaoke system to serve users. My idea on the Karaoke selection app is to help the users to retrieve the wanted songs easily. It will also allow users to provide commends to the song.

   Currently, there are some variants of song searching function serving in Karaoke system. The speciality of my searching design is based on the advantage of NoSQL MongoDB, using document based database.

2. Expected Features of the Project

   - Retrieve the information of the desired song;

     - Justification -- provide comfortable accessing function for users so that users can get the song information easily.

   - User feedbacks
     - Justification -- allow users to provide comments or feedbacks on the song.

   - Log in
     - Justification -- protect data and personal info

   - Add, Update and Delete the song info
     - Justification – allow system administrators to update the song list and song info.

3. Market Survey

   Website:
   a. Find similar songs based on music signal is a web related to song searching depending on music signal. The search engine will track the songs that you play the most using any of popular media players. https://www.labnol.org/internet/find-similar-songs-and-music-artists/10825/

   b. A song collection website serves for retrieval of song source. https://songretrieval.weebly.com/retrieval-system-requirements.html

c. This Karaoke management tool provides a search utility which allows you to quickly search for and retrieve karaoke files so you're not forced to search your hard drive or network drive for them. https://karaoke-manager.en.lo4d.com/

d. The Singing Machine Karaoke Manager is a free tool to help users create the ultimate karaoke experience. https://singingmachine.com/pages/smcmanager

e. Wonderful song search engine used for Karaoke supplies web user interface to search the loved songs by keying in song related words like singer, some special text content. It helps for deep searching and retrieval. https://karaokesearchengine.com/

4. References

a. Lyrics database provides a convenient way for user to download their preferred lyrics. It helps our project to build the lyric database.
https://www.smule.com/songs

b. This web site provides an abundant list of songs which are categorized by different types such as language, epoch of the songs, and style (classic/pop/folk/etc).
https://www.karafun.com/karaoke-song-list.html

c. This advanced karaoke making software comes with sophisticated functionality allowing you to create professional karaoke songs in video (AVI and MPEG) format, using any MP3 or WAV file as a karaoke soundtrack and play them on any computer, iPhone or iPod. Moreover, with the help of advanced options included, users can fine-tune their karaoke clips by inserting background images, scrolling lyrics, title and credits screen, display images and more.
https://www.powerkaraoke.com/src/info_articles_karaoke_videos_with_lyrics.php

d. "A History of KARAOKE". All-Japan Karaoke Industrialist Association.http://www.karaoke.or.jp/03nenpyo/

e. Clickblue "Best technology Karaoke systems from a renowned karaoke manufacturing company", 30 November 2014, International Business Times, retrieved 30 November 2014. http://clickblue.in/persang-entertainment-pvtltd/http-googl-zyp7hp

.