**System Request**

**Project Sponsor:**

Mr.X, Managing Director, Bangladesh Culture and Festive Club.

**Business Need:**

Karaoke is a fun way for amateurs to sing along to a song based on a backing track which contains music of a specific part of a song.A karaoke application will be a great way for friends and family to have fun at hangouts or organized parties.The application will have backtracks of popular songs and will display lyrics on screen so anyone can follow and people of all ages can have fun doing something together. Also the app is able to add different effects and modify the playback to make the sing off more interesting and enjoyable for normal users.This will be a different way of entertainment from the conventional entertainment methods and ensure participation of everyone no matter what their singing skills. In a market like Bangladesh, where there is no such facility available for normal users it can get great popularity if executed properly.

**Business Requirements:**

The features the app would provide are:

* Contain backtracks of parts of popular songs.
* Contain lyrics of the parts of the songs.
* Sign up & sign in required to use the app.
* You get a score based on your singing. The score is calculated by comparing FFT transformations of the recorded sound and original music.
* You get a real time frequency graph of your singing.
* You can add certain effects like reverb, echo, pitch change etc to your recorded songs.
* Change playback time
* You can challenge friends to a sing off.
* Compare the score and the user with the higher score wins.
* Sing off records are saved and shown as a list.

**Business Value:**

* The application will make its revenue through in app ads
* Certain features like adding own songs and special tracks will be available on the premium version
* As a stable unique application the app will be downloaded in the lots
* The application will be available for both android and ios platforms.and will be marketed through youtube,facebook and other popular platforms.
* With the increase of libraries the brand value will also increase.
* Partnership with other physical platforms will increase awareness and brand value.

**Special Issues or Constraints:**

* Have to be careful of copyright claims.
* Songs have to be carefully filtered for younger audience usage.
* Application has to be updated on certain intervals to keep the app relevant by adding new popular and trendy songs.
* Might be difficult to introduce to Bangladeshi culture.
* Requires partnership with different studios to obtain licenses.
* Create contracts with direct revenue share models for new singers.
* A secured environment to record user information. Keep all relevant information that is possible encrypted.