Design Report

Name of group members:

Dian Zhu, Jia Jun Guan, Keawa Rozet, Jeffrey Lee

Description of database and data requirements:

This database is to store information about famous songs. This information contains artists with identified name as an attribute, songs with identified track number and name as attributes, featured artists with identified name as an attribute, and albums with identified track number, name, and released date as attributes. Each song is written by an artist. Songs may be featured by featured artists. Each album is released by an artist. Every song must have at least one album.

ER diagram:

write

song

release

album

composed\_of

featured\_artist

feature

artist

Logical schemas:

artist(aname:String)

song(stranum: Integer,sname:String,aname:String)

featured\_artist(faname: String)

feature(faname: String, stranum:Integer)

album(abtranum: Integer, abname: String, date: Date, aname:String)

composed\_of(abtranum:Integer, stranum:Integer)