Documentation

# SQL Queries Used:

SELECT name, $Attribute FROM Artists a, MusicIndustryPeople m WHERE m.personid = a.personid

SELECT genre, duration, songname, releasedate, amountsold, albumname FROM songs WHERE SongName = '$SName'

SELECT m.name FROM studio s, employs e, musicindustrypeople m WHERE s.studioid = e.studioid AND e.personid = m.personid AND s.name = '$StudioName'

SELECT m.name FROM musicindustrypeople m WHERE NOT EXISTS (SELECT \* FROM songs s1 WHERE NOT EXISTS (SELECT DISTINCT s2.genre FROM songs s2 WHERE s1.genre = s2.genre AND m.personid = s2.personid))

SELECT avg(AmountSold) as average FROM artists a, musicindustrypeople m, songs s WHERE a.personid = m.personid AND a.personid = s.personid AND name = '$AName'

SELECT COUNT(\*) as numEntries FROM $Attribute

SELECT m.name, sum(amountsold) as totalSold FROM artists a, musicindustrypeople m, songs s1 WHERE a.personid = m.personid AND a.personid = s1.personid GROUP BY m.name HAVING sum(amountsold) > $AmountSold ORDER BY totalSold

UPDATE MusicIndustryPeople SET StudioID = $StudioID WHERE personid = $PersonID

DELETE FROM MusicIndustryPeople WHERE personid = $PID

# Project Accomplishments:

This database lets users find their songs, find artists who write in their favorite genres, and display statistical data of artists.

Admins of the database delete artists/producers and update artist/producers employed studio.

The HTML/PHP implementation of the database allows the user to access a range of relevant information about songs/artists.

The implementation of the database allows users to access information without the need of the primary keys used by the database; this information has been abstracted from the user.