**Samarth -- Documenting DB Schema**

A diagram of a computer

AI-generated content may be incorrect.Instructions: Only the purple-headed tables should be the main focus of the documentation since they are just regular entities (i.e. they’re non-associative ones).

This DataBase provides information about various music albums, their artists and their users.

ARTIST(**art\_id:INT**, art\_name:VARCHAR, art\_bio:VARCHAR, art\_flwrs:INT, art\_mbrs:INT)

The entity ARTIST gives information on various artists that may or may not have created albums.

--art\_id – to identify a unique artist. Each artist has a distinct art\_id.

--art\_name – Name of the artist identified by art\_id.

-- art\_bio – biography of this artist (i.e. it is a short summary that explains the life of this artist, including his/her education, accomplishments, endeavors, careers, etc)

--art\_flwrs – The number of users who have chosen to follow this artist.

--art\_mbrs – The number of users who have chosen to be a member of this artist.

The primary key (PK) of ARTIST is art\_id.

ALBUM(**alb\_id:INT**, alb\_type:ENUM, alb\_name:VARCHAR, alb\_cvr:VARCHAR, alb\_trks:INT, alb\_likes:INT, art\_id:INT)

--alb\_id – to identify a unique album. This attribute is a primary key.

-- alb\_type – type of this music album (e.g. mixtypes, studio albums, live albums, soundtracks, etc).

--alb\_trks – number of tracks that belong to this album.

--alb\_name – name of this album

--alb\_cvr – cover of this album (i.e. The front packaging art of a commercially released studio album). This is AKA the album art.

--alb\_likes – number of users who like this album.

-- art\_id – to identify this user creates many unique albums.

GENRE(**gen\_id:INT**, gen\_name:VARCHAR)

-- gen\_id – to identify a unique genre. This attribute is a primary key.

-- gen\_name – Name of this genre (e.g. Jazz, Classical, Folk, Country, Blues, Dance, Pop, Hip Hop,

--etc).

USER(**usr\_id:INT**, usr\_name:VARHCAR, usr\_pass:VARCHAR, usr\_email:VARCHAR, usr\_phone:VARCHAR, usr\_friends:INT)

-- usr\_id – to identify a unique user. This attribute is a primary key.

-- usr\_name – Name of this user.

-- usr\_pass – unique password of this user.

-- usr\_email – email address of this user.

-- usr\_phone – phone number of this user.

-- usr\_friends – Number of friends this user has.

QUEUE(**que\_id:INT**, usr\_id:INT)

--que\_id – to identify a unique queue. This attribute is a primary key.

--usr\_id -- to identify this user has many unique queues of tracks.

TRACK(**trk\_id :INT**, trk\_name:VARCHAR, trk\_file:VARCHAR, trk\_pos:INT, trk\_lyrics:VARCHAR, trk\_len:TIME, trk\_strms:INT, trk\_likes:INT, alb\_id:INT)

--trk\_id – to identify a unique track. This attribute is a primary key.

--trk\_name – name of this track.

--trk\_file -- A digital file that stores audio data for a track, such as MP3 files, etc.

--trk\_pos – Track position, which is a list of tracks, listed in sorted order by numerical values as well as with its corresponding title (e.g. Track 1 – “track name 1”, Track 2 – “track name 2”, etc).

This attribute is a primary key.

--try\_lyrics – words of this track.

-- trk\_len – Refers to how long does this track play.

--trk\_strms -- Refers to how many times this music track has been streamed.

--trk\_likes – number of users who like this track.

--alb\_id – to identify these tracks belong to this particular album.

PLAYLIST(**ply\_id:INT**, ply\_name:VARCHAR, ply\_desc:VARCHAR, ply\_cvr:VARCHAR, ply\_flwrs:INT, usr\_id:INT)

--ply\_id – to identify a unique playlist containing a list of given tracks. This attribute is a primary key.

--ply\_name – name of this playlist.

-- ply\_desc – description of this playlist.

-- ply\_cvr – cover of this playlist (i.e. an image that represents this playlist’s theme or mood—very helpful to all listeners to identify a playlist and discover new music).

-- ply\_flwrs – Number of users who have chosen to follow this playlist.

--usr\_id -- to identify this user creates many unique playlists.

CHAIN(**chn\_id:INT**, ply\_id:INT)

--chn\_id – to identify a unique chain. This attribute is a primary key.

--ply\_id – to identify this playlist contains many unique chains of the music.