MODELACIÓN BASE DE DATOS: PROYECTO 1

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Diccionario de entidades
Diccionario de tablas y campos

1. Account
    a. <u>username</u> (varchar 20)
    b. password (varchar 20) (not null)
    c. first_name (text) (not null)
    d. last_name (text)
    e. email (varchar 50) (not null) (unique)
2. Subscription
    a. <u>id</u> (serial)
    b. start_date (date) (not null) (default current_date)
    c. renewal_date (date) (not null)
    d. username (varchar 20) (foreign key) (not null) (unique)
3. Manager
    a. <u>id</u> (serial)
    b. username (varchar 20) (foreign key) (not null) (unique)
4. Artist
    a. <u>id</u> (varchar 50)
    b. artistic_name (varchar 50) (not null)
    c. username (varchar 20) (foreign key) (not null)
5. Album
    a. <u>id</u> (varchar 50)
    b. name (varchar 50) (not null)
    c. preview_url (text)
    d. launch_date (date) (not null) (default current_date)
6. Album_Artist
    a. <u>album_id</u> (varchar 50) (foreign key) (not null)
    b. <u>artist_id</u> (varchar 50) (foreign key) (not null)
    c. primary key (album_id, artist_id)
7. Song
    a. <u>id</u> (varchar 50)
    b. name (text) (not null)
    c. duration_ms (int) (not null)
    d. active (boolean) (not null) (default '1')
    e. preview_url (text)
    f. album_id (varchar 50) (foreign key)
8. Genre
    a. <u>id</u> (serial)
    b. name (text) (not null) (unique)
9. Song_Genre
    a. <u>song_id</u> (varchar 50) (foreign key) (not null)
    b. <u>genre_id</u> (int) (foreign key) (not null)
    c. primary key (song_id, genre_id)

10. Reproduction
    a. <u>id</u> (serial)
    b. rep_date (date) (not null) (default current_date)
    c. song_id (varchar 50) (foreign key) (not null)
    d. username (varchar 20) (foreign key) (not null)
11. Song_Artist
    a. <u>song_id</u> (varchar 50) (foreign key) (not null)
    b. <u>artist_id</u> (varchar 50) (foreign key) (not null)
    c. primary key (song_id, artist_id)
12. Playlist (públicas)
    a. <u>id</u> (serial)
    b. name (text) (not null)
    c. description (text)
    d. date_creation (date) (not null) (default current_date)
    e. username (varchar 20) (foreign key) (not null)
13. Playlist_Song
    a. <u>playlist_id</u> (int) (foreign key) (not null)
    b. <u>song_id</u> (varchar 50) (foreign key) (not null)
    c. primary key (playlist_id, song_id)
14. Playlist_Account
    a. <u>playlist_id</u> (int) (foreign key) (not null)
    b. <u>username</u> (varchar 20) (foreign key) (not null)
    c. primary key (playlist_id, username)

Diagrama Entidad-Relación

Genre

(1,n)

Pertenece a

Album — (1,1) — Pertenece a — (1,n) — (0,m) — Song — (1,n)

(0,m)

(0,n)

(1,1)

Es creada por un

Es creado

Reproduce

Contiene

Reproduction

(0,n)

Genera

(1,m)

(0,n)

(1,1)

(0,m)

(1,n)

Artist — (0,n) — Es un — (1,1) — Account — (1,m) — Puede tener — (0,n) — Playlist

(1,1)

(1,1)

Manager — (0,n) — Es un

Puede tener

(0,1)

Subscription

Tablas generadas por DER

Song_Artist

Playlist_Account

Song_Genre

Album_Artist

Playlist_Song