Capstone 1 Schema Design V3.4

User
PK: **username**: String(25)
password: Text
email: Text
spotify_user_id: Text
spotify_display_name: Text
user_image: Text
is_admin: Boolean

Track
PK: **id**: Integer
spotify_track_id: String (base-62 id)
name: Text
spotify_track_uri: Text (playlist entry)
release_year: Integer
popularity: Integer (0-100)
duration_ms: Integer
album_id: FK: Integer

acousticness: Float (0.0–1.0)
danceability: Float (0.0–1.0)
energy: Float (0.0–1.0)
tempo: Float
instrumentalness: Float (0.0–1.0)
key: Integer
liveness: Float (0.0–1.0)
loudness: Float (-60–10)
mode: Integer (0 or 1)
speechiness: Float (0.0–1.0)
time_signature: Integer (1–20)
valence: Float (0.0–1.0)

lyrics: Text (Null, No-Lyrics, String)

(rel: album — tracks)

Playlist
PK: **id**: Integer
FK: **username**: FK: String(25)
spotify_playlist_id: Text
spotify_snapshot_id: Text
image: Text (URL)
public: Boolean
collaborative: Boolean
name: Text
description: Text
(rel: playlist— tracks)
(rel: user— playlists)

Playlist_Track
FK: **playlist_id**: Integer
FK: **track_id**: Integer
index: Integer (order of tracks in playlist)

Album
PK: **id**: Integer
spotify_album_id: String
name: Text
image: Text (URL)
(rel: tracks— album)

Artist
PK: **id**: Integer
spotify_artist_id: Text
name: Text
(rel: tracks— artists)

Track_Artist
FK **track_id**: Integer
FK **artist _id**: Integer

Genre
PK: **id**: Integer
name: Text
(rel: tracks— genres)

Track_Genre
FK **track_id**: Integer
FK **genre_id**: Integer