Capstone 1 Schema Design   V2.0

User
PK: **username**: Text(25)
password: String
email: String
spotify_user_id: String
spotify_display_name: String
user_image: String
country: Text(2) (Country Code)
is_admin: Boolean

Track
PK: **id**: Integer
spotify_track_id: String (base-62 id)
name: String
popularity: Integer (0-100)
spotify_track_url: String (to play track)
spotify_track_uri: String (playlist entry)
is_playable: Boolean (may not be needed)
preview_url: String (30 second clip)
release_year: Integer

acousticness: Float (0.0–1.0)
danceability: Float (0.0–1.0)
duration_ms: Integer
energy: Float (0.0–1.0)
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: String (Null, No-Lyrics, String)

Playlist
PK: **id**: Integer
FK: **user_id**: Integer
spotify_playlist_id: String (base-62 id)
          or None if not uploaded to acct yet
image: String (URL)
public: Boolean
name: String
description: String

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

Album
PK: **id**: Integer
spotify_album_id: String
name: String
image: String (URL)
image_height: Integer (may not be needed)
image_width: Integer (may not be needed)

Track_Album
FK **track_id**: Integer
FK **album_id**: Integer

Artist
PK: **id**: Integer
spotify_artist_id: String
name: String

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

Genre
PK: **id**: Integer
name: String

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