get album favorites(user) -> returns multiple "album id" - get_artist_favorites(user) -> returns multiple "artist id" - get_track_favorites(user) -> returns multiple "track_id" add_favorite(User, item_id, type) -> returns nothing get_album_reccomendations(user) -> return multiple "album_id" with "recommended = false" -> return multiple "artist_id" with "recommended = false" get_artist_reccomendations(user) get_track_reccomendations(user) -> return multiple "track_id" with "recommended = false" - add_reccomendation(user, type, name, image, Optional description, Optional release_date) -> returns nothing - get_name(item_id, type) -> returns name - get_image(item_id, type) -> returns image get_description(item_id, type) -> returns description - get_release_date(item_id, type)
- set_recommended(item_id, type) -> returns release_date -> returns nothing Song Surf entity relationship diagram Note: This database does not store the input album_dislike searches of a user. It stores what's been artist_dislike recommended, what has been favorited, and favorite_id what has been disliked PΚ favorite_id user_id FΚ user id Note: As you may know, an album can have many artists album_id r a track can have many artists. Since last.fm returns only FΚ artist id one artist (the main artist) for an album or a track, this diagram keeps the relationship between an album/track album and artist as one to many. To solve the multiple artists issue, the track title has (feat. artistX, artistY) PK album_id artist FΚ PK artist_id artist_id name name image image artist_reccomend album_reccomend description description user PΚ reccomend_id reccomend_id release_date FΚ user_id PΚ user id FΚ user_id FΚ album_id FΚ artist_id album_like artist_like email recommended: bool recommended: bool favorite id PΚ favorite_id password FΚ user_id FK user_id FΚ album_id FK artist_id track track_like PK track id track_dislike PK <u>favorite_id</u> FK artist_id PΚ favorite_id FΚ user_id FΚ FK user_id album_id FK track_id track_id name image description release_date track_reccomend reccomend_id user_id FΚ track_id recommended: bool

Database interface functions:

* type = [album or artist or track]