Models

Queried by:

ID

UserAccount		Session	1
ID	Binary	Token	String
Name	String	UserAccountID	Binary
PasswordHash	Binary	Expiration	Date

- Name Token UserAccountID
 - Expiration

UserProfileID

Queried by:

Binary

UserAccountID	Binary
Name	String

UserProfile

ID	Binary
UserProfileID	Binary
Title	String
LastModificationDate	Date
Queried by:	

SongList

ID	Binary
SongListID	Binary
Rank	Number
Title	String
Artist	String
ContentURL	String

SongListEntry

Create song list

Flows

Queried by:

Name

UserAccountID

A user logs in. The user creates a new song list. The

user provides a title for the song list.

randomly generated and verified to be unique. The UserProfileID field is taken from the ID field of the user's corresponding UserProfile instance. The Title field is taken from the user input. The LastModificationDate field is taken from the current

A new SongList instance is

created. The ID field is

The user adds a song to a

the song list. The user

provides an URL that

represents the song

(YouTube, Spotify, etc.).

specific location (rank) within

and verified to be unique. The SongListID field is taken from the ID field of the new SongList instance. The Rank field is determined by where the user has placed this new entry. The Title and Artist fields are extracted from the URL the user has provided. The ContentURL field is taken from the URL the user has provided.

A new SongListEntry

instance is created. The ID

field is randomly generated

SongListID

request's URL looks like the

Show song list

following. http://[domain]/[user's profile name]

A user looks up the song list

for an existing user. The

queried for by the Name field, using the value provided in

The UserProfile instance is

UserProfileID field, using the ID field of the UserProfile instance.

The SongList instance is

queried for by the

instances are queried for by the SongListID field, using the ID field of the SongList instance.

All relevant SongListEntry

System architecture

