Developers of the Millenium

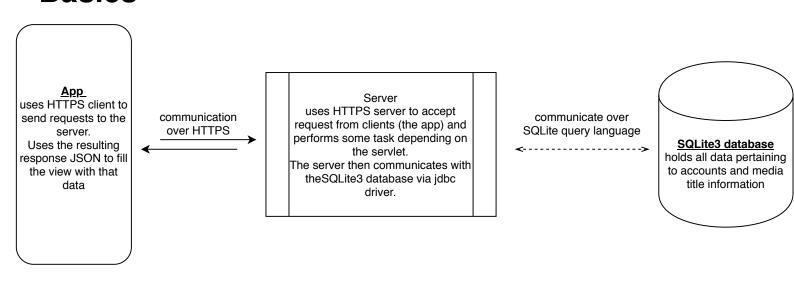
System Design

Table of Contents

Software Architecture Diagram

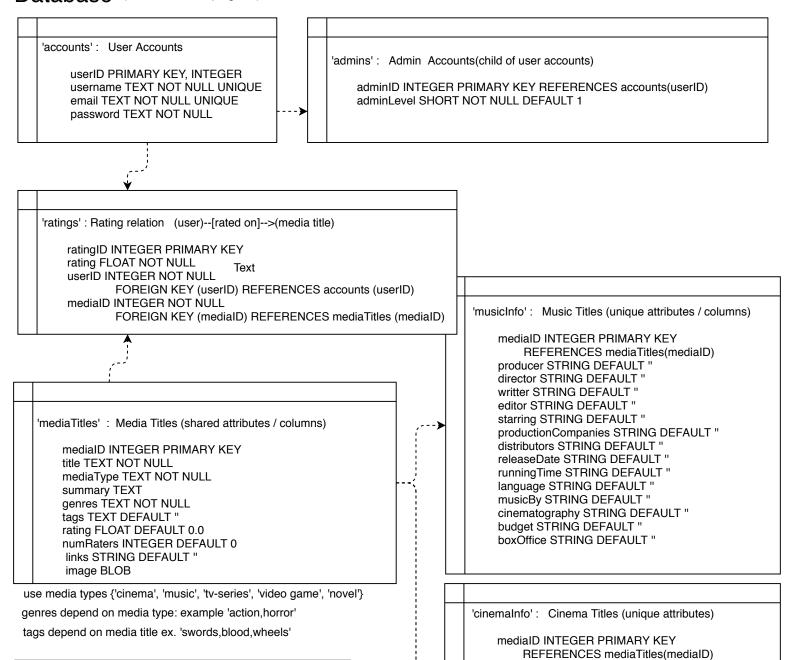
CRC Cards

Basics



Database (this is a work in progress)

'tvseriesInfo': TV-series Titles (unique attributes)

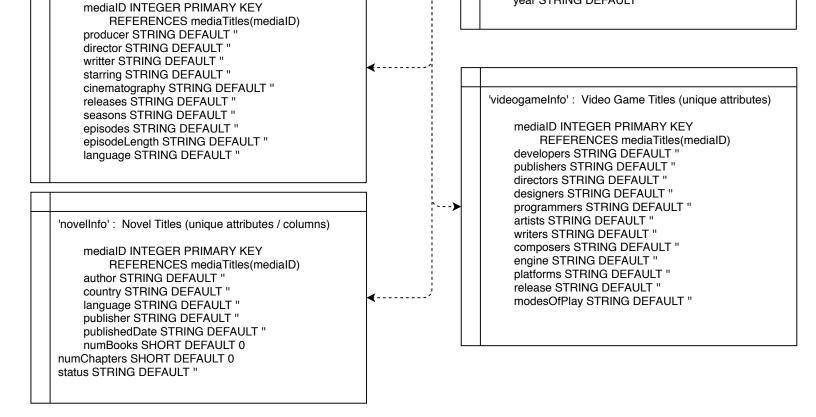


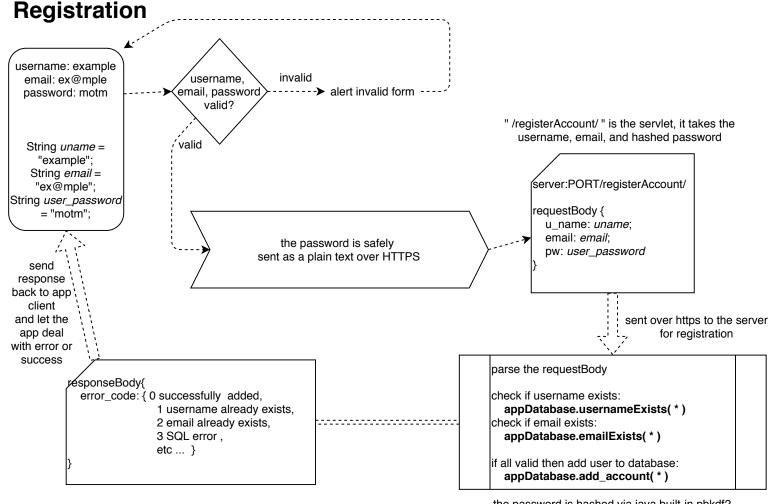
-->

album STRING DEFAULT "

duration FLOAT DEFAULT 0.0

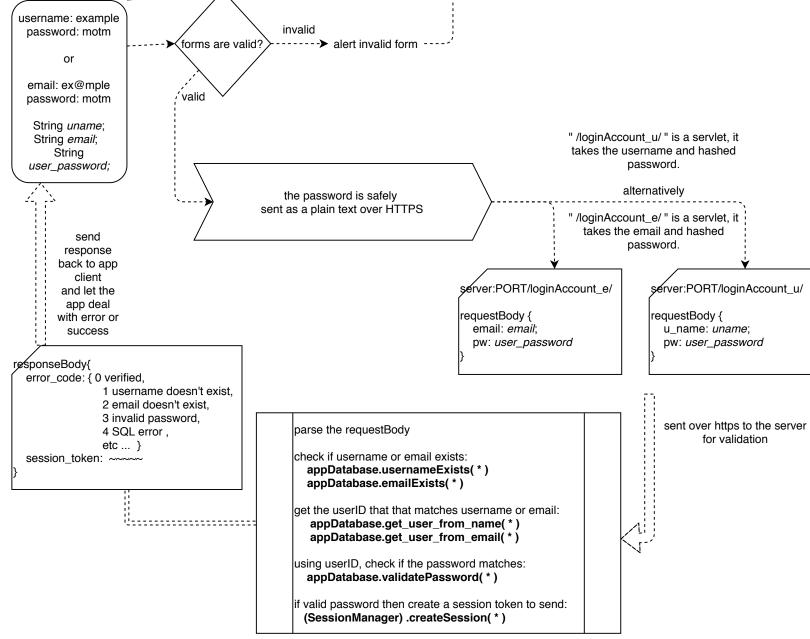
artist STRING DEFAULT "





the password is hashed via java built-in pbkdf2

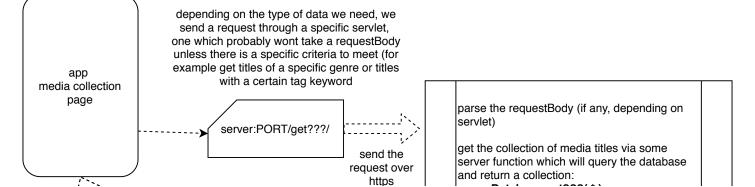




The given password is is verified by applying the hashing function and comparing the differences between the stored hash and the calculated hash.

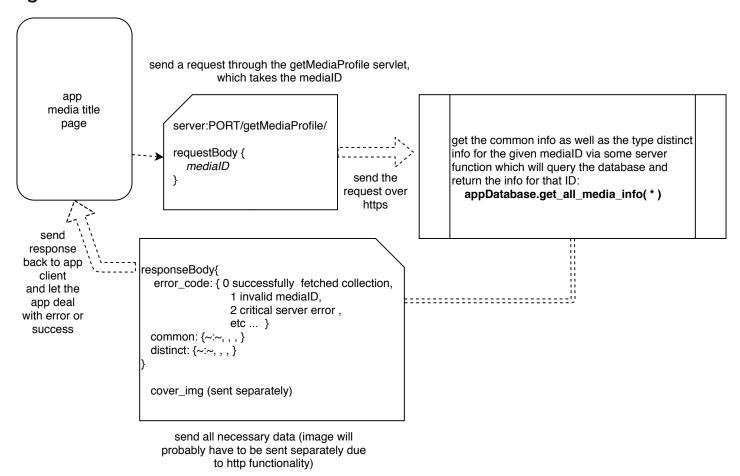
The session manager will keep track of all active sessions and remove expired sessions after a set time

get collection of Media titles (for example top 10)



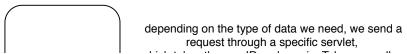
```
appDatabase.get???( * )
   send
                        responseBody{
 response
                          error_code: { 0 successfully fetched collection,
back to app
                                          1 didn't find any collection,
   client
                                          2 SQL error,
and let the
                                          etc ... }
 app deal
                         list_of_titles: [ title1_id, title2_id, ..., titleN_ID]
with error or
 success
                         list_of_title_JSONs: {
                              {id: title1_id, mediaType: --, etc},
                              {id: titleN_id, mediaType: --, etc}
                          (optionally) mediaType: sometype
                           send only the title IDs (the other data will
                              be fetched separately given the IDs)
                            or send a list of json which contains the
                                      ID and relevant data
```

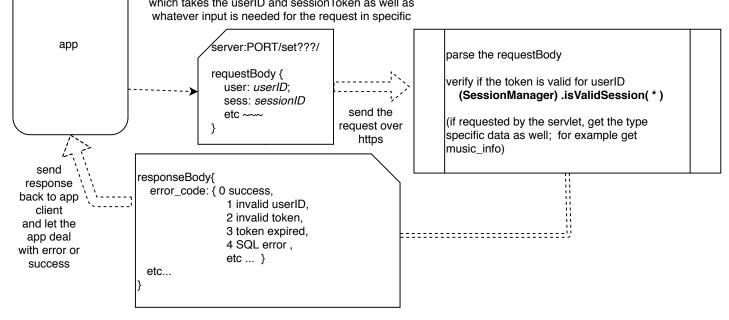
get Media Profile



make account sensitive request (WIP)

(post review, set rating, make changes to account page, etc)





send error and any thing else needed

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AppGlobals

 Holding variables such as username/email and the session token/ID that will be used throughout the app

getMediaProfile

- taking a request from the client with a body containing a mediaID which it then
 uses to fetch the profile info from the database, returning all info pertinent to that
 media title including both the common info and the type specific/distinct info
- AppDatabase, Server

getFavorites/getBookmarks

- -takes a request from client with a body containing accountInfo and accountType and handles retrieving favorited/bookmarked media IDs from the database
- -takes a request from client with body containing a medialD, accountInfo and accountType and adds the specified medialD under the specified accounts favorites/bookmarks attribute in the database
- -takes a request from client with body containing a medialD, accountInfo and accountType and removes the specified medialD under the specified accounts favorites/bookmarks attribute in the database
- AppDatabase, Server

FavoritesAdapter/BookmarksAdapter

- -used to apply a layout to the listview entries located in FavoritesFragment/BookmarksFragment
- -includes functionality for separate listview entries (specifically delete option)
- FavoritesViewHolder
- FavoritesFragment/BookmarksFragment

FavoritesFragment/BookmarksFragment

-layouts for user favorites/bookmarks

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AddFavorite/AddBookmark

- -allows the client to generate the curl request to the server for the PUT request (adding medialD to user favorites/bookmarks)
- AppDatabase
- Server
- getFavorites/getBookmarks

DisplayFavorites/DisplayBookmarks

- -allows client to send curl requests to the server to handle a POST request (retrieving user favorites/bookmarks to be displayed in the listview)
- Appdatabase
- Server
- getFavorites/getBookmarks

RemoveFavorites/RemoveBookmarks

- -allows client to send curl requests to the server to handle a DELETE request (removing specified mediaID from user favorites/bookmarks)
- Appdatabase
- Server
- getFavorites/getBookmarks

Abstract

GetPicture (This is for sending curl requests in the app)

- Allows the client to send http request to retrieve the picture from the database as a blob and then convert to byteArray and display it
- Server
- AppDatabase
- getPicture

Abstract

getPicture (This is for handling of curl requests)

- takes a request from the client with a body containing a medialD which is used to retrieve the blob from the database that contains the picture of that medialD.
- AppDatabase,

• Returns as a byte array to later be displayed.

Server

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Interface	addMediaProfile	
genres, tags, links,	om the client with a body containing title, mediaType, summary, , and local image source (as a string) and adds the information to Irning if the add was a success	AppDatabase,Server
Abstract	getTopRatedMedia	
· ·	om the client and fetches a list of medialD's that are in based off of their media rating.	AppDatabase Server
	user_list	
Create the table a	nd functions for the user list database	AppDatabase
	activity_media_list_page_fragment	
Create a template	for user made lists	
	LoadingSpinnerFragment	Fragment
	bles the loading spinner on server login and signup calls. until a response has been recieved and handled.	MainActivity

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