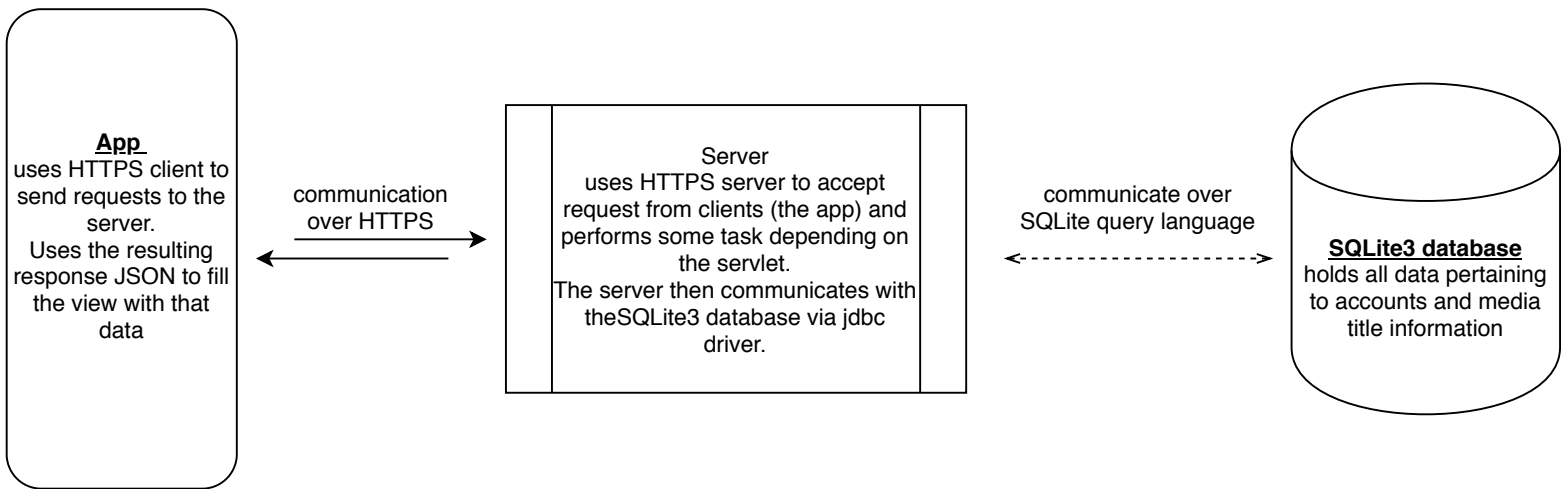


Developers of the Millenium

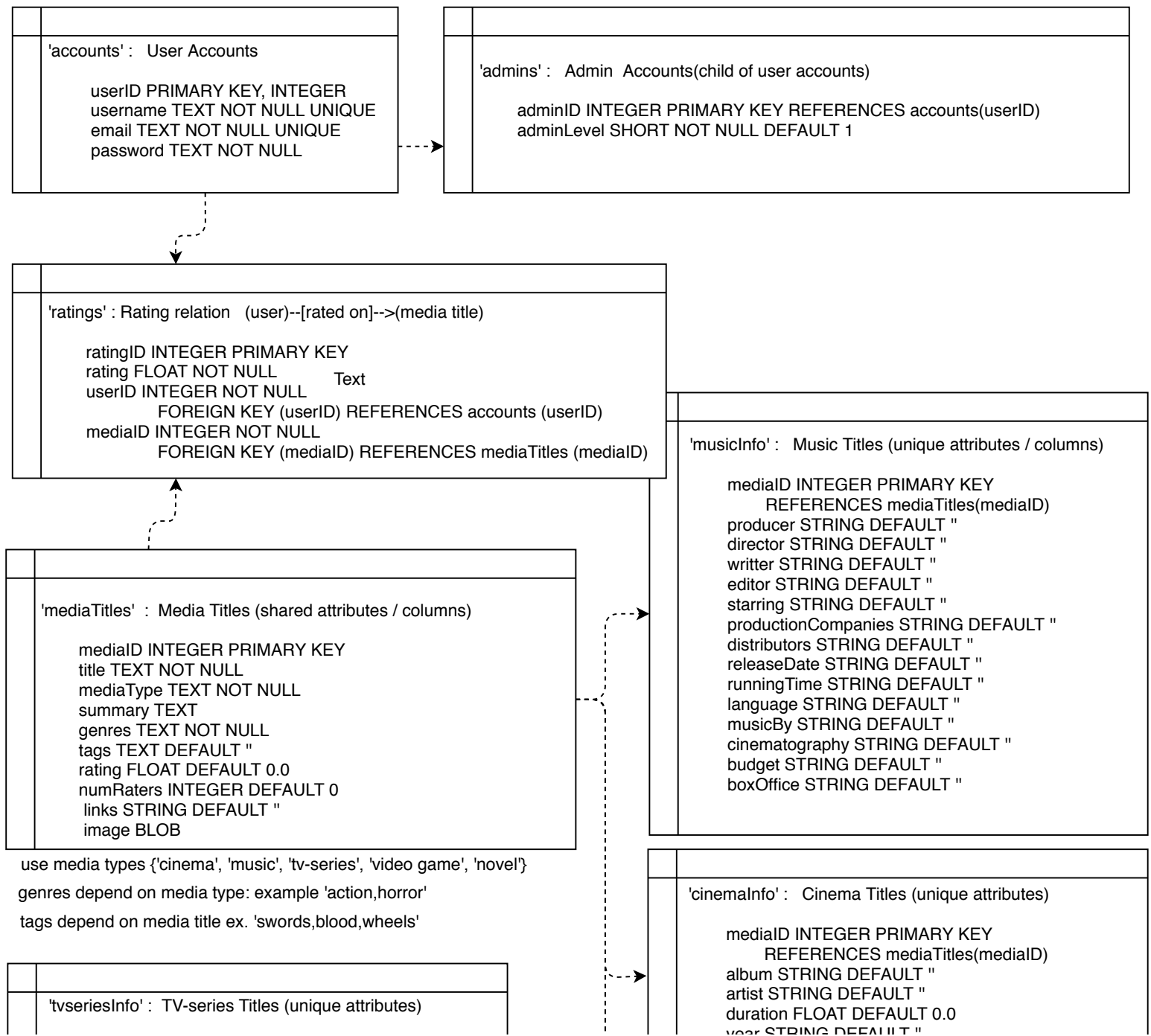
System Design

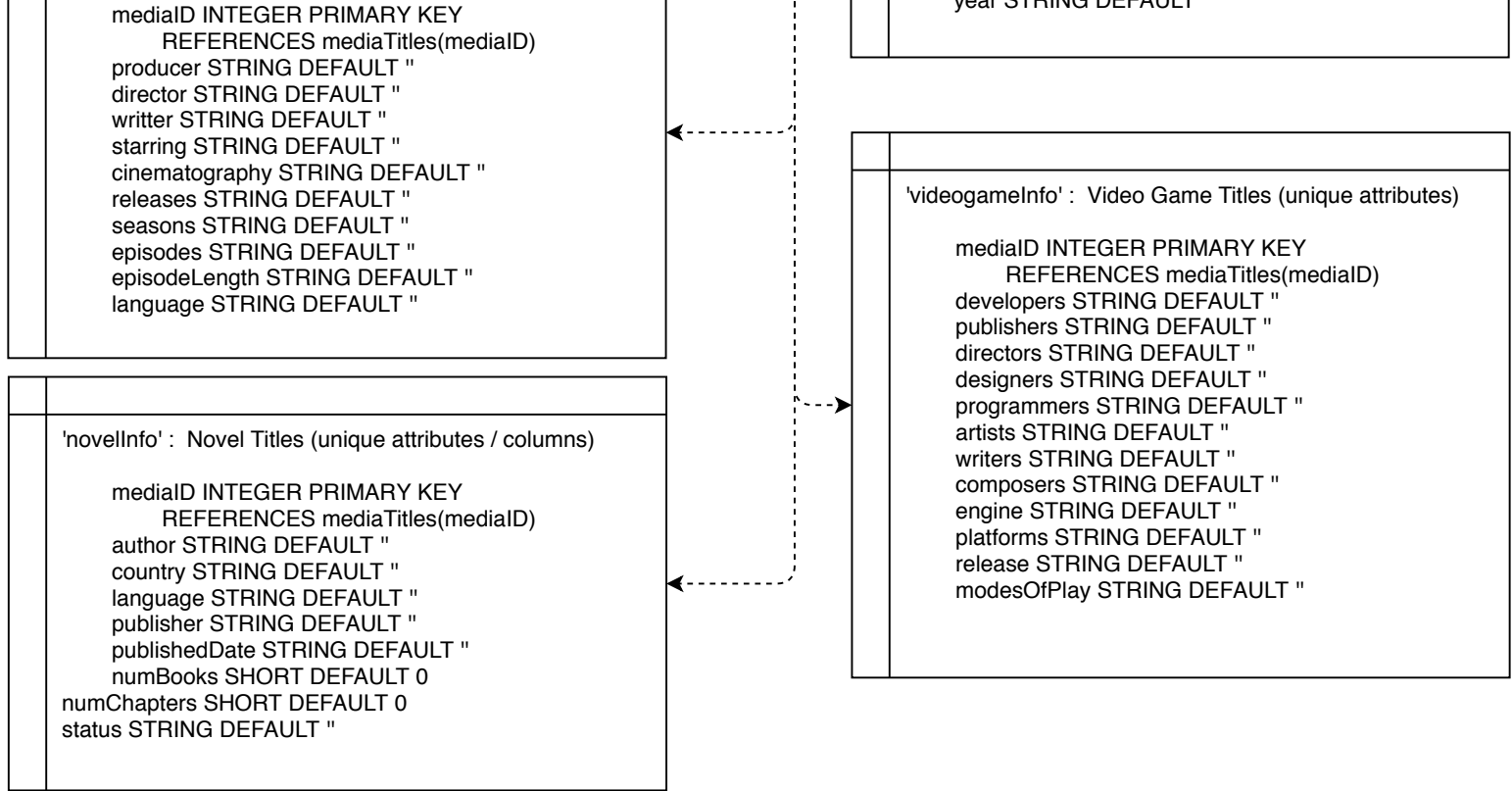
Table of Contents
Software Architecture Diagram
CRC Cards

Basics

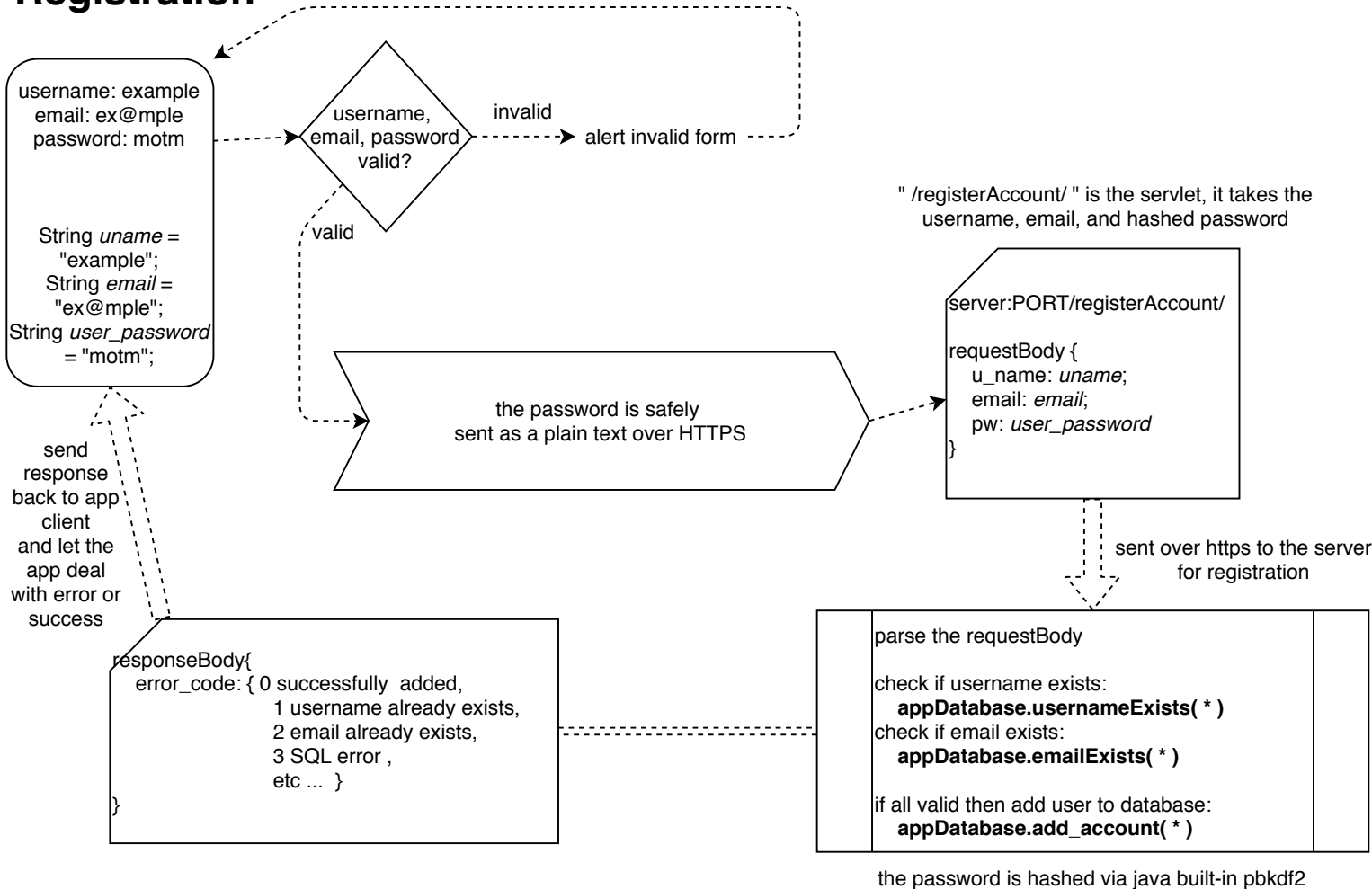


Database (this is a work in progress)

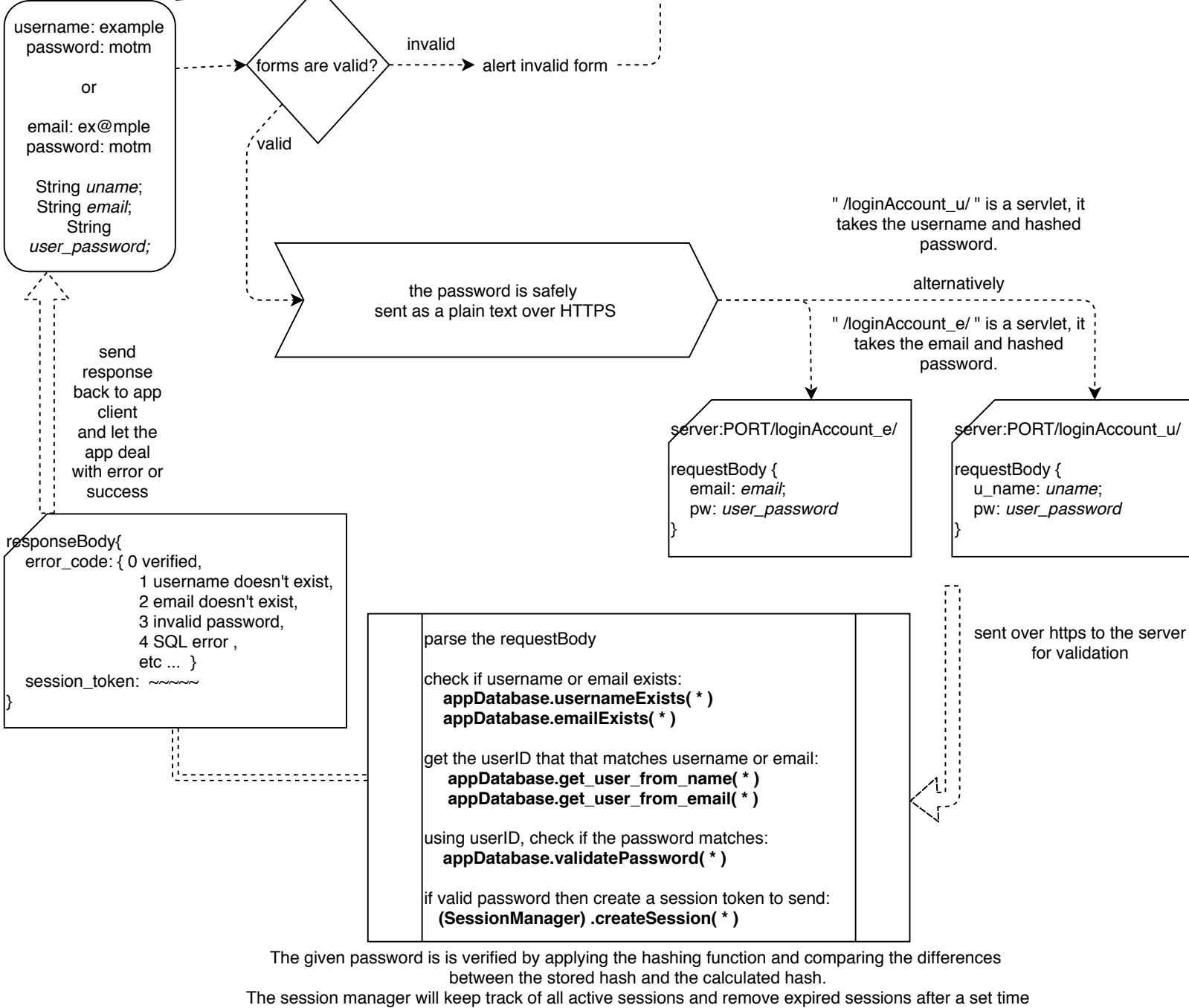




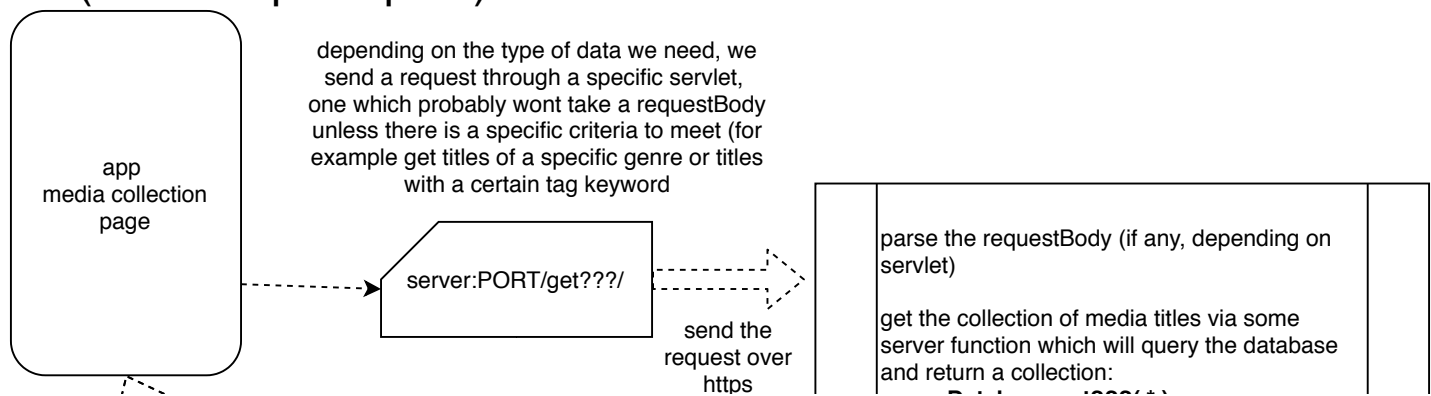
Registration

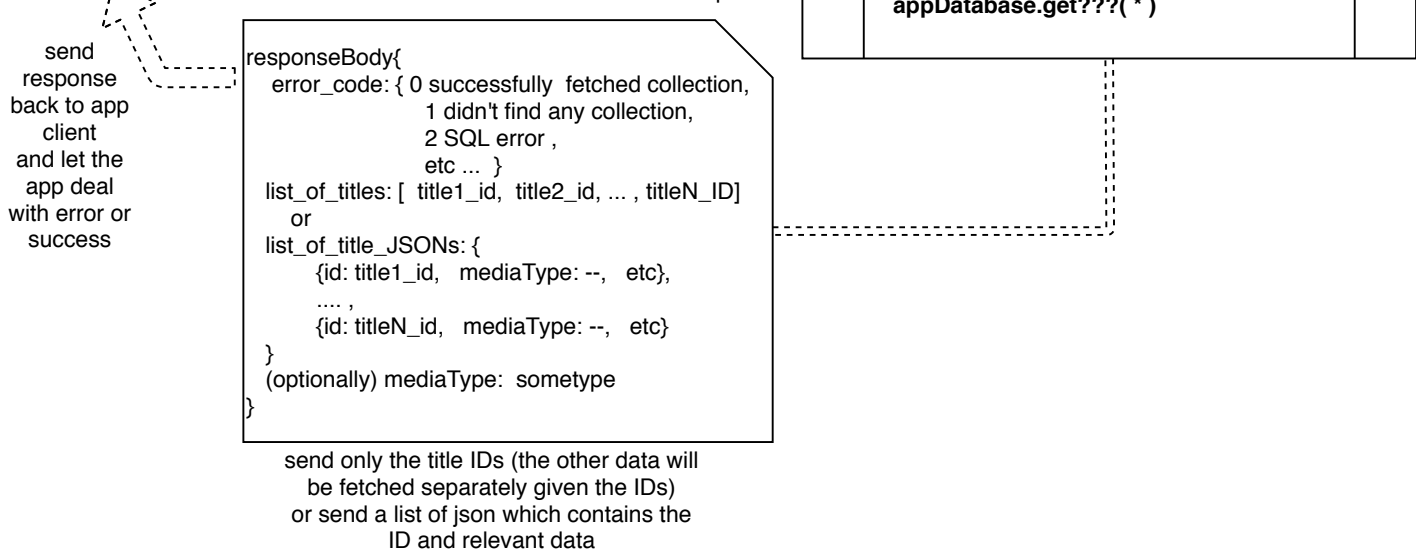


Validation

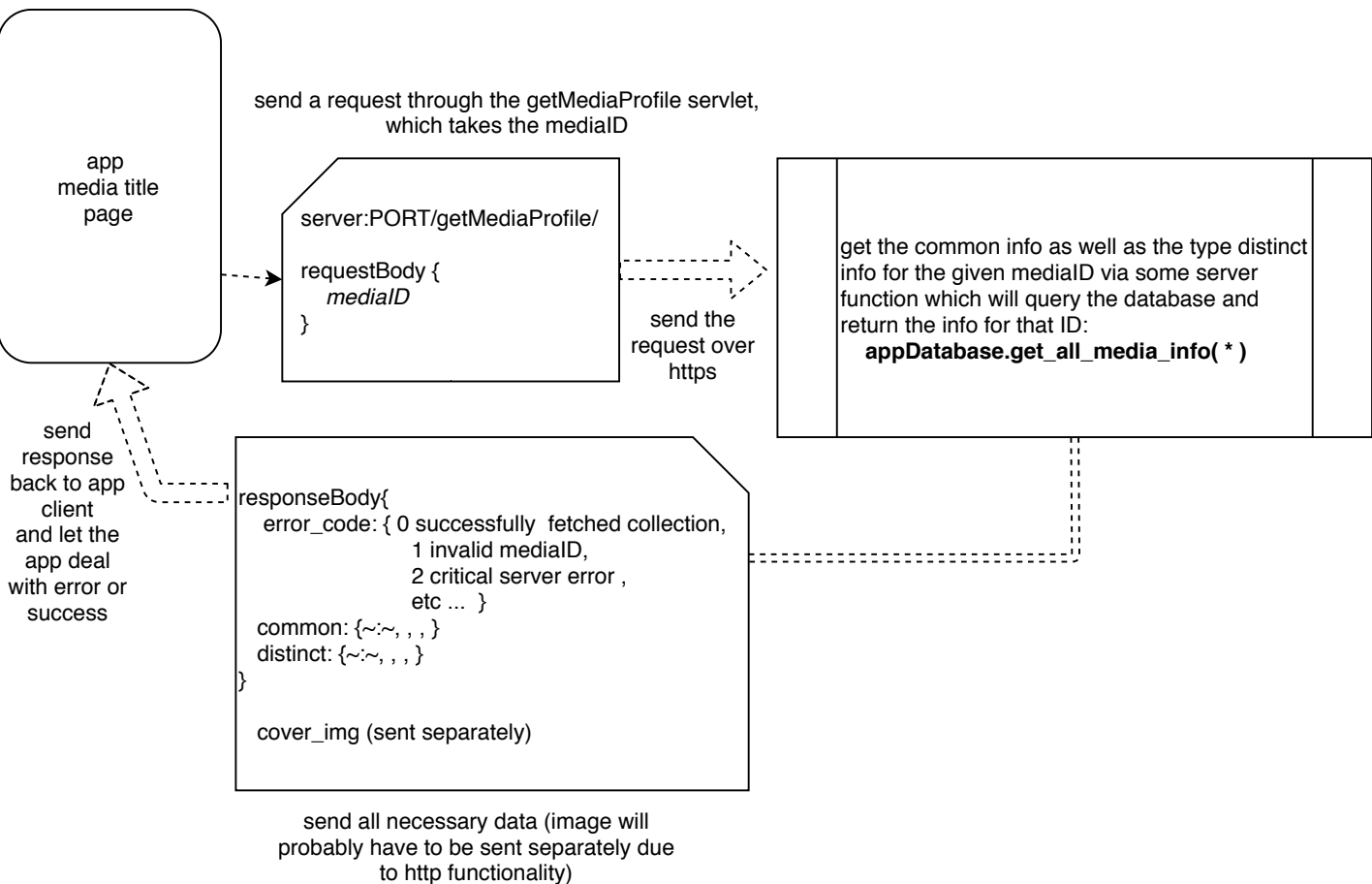


get collection of Media titles (for example top 10)



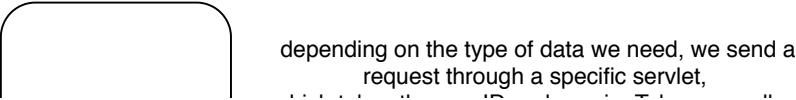


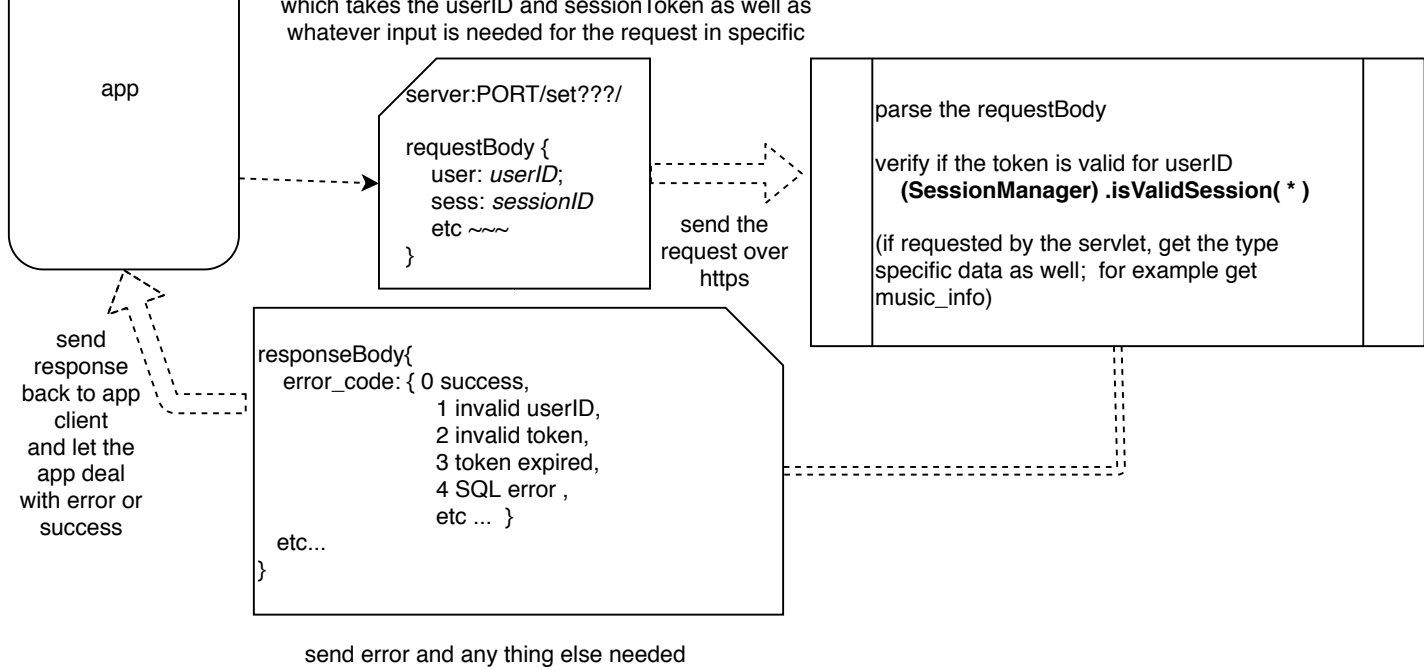
get Media Profile



make account sensitive request (WIP)

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





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 mediaID, accountInfo and accountType and adds the specified mediaID under the specified accounts favorites/bookmarks attribute in the database
- -takes a request from client with body containing a mediaID, accountInfo and accountType and removes the specified mediaID 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

AddFavorite/AddBookmark

- | | |
|--|--|
| <ul style="list-style-type: none"> -allows the client to generate the curl request to the server for the PUT request (adding mediaID to user favorites/bookmarks) | <ul style="list-style-type: none"> AppDatabase Server getFavorites/getBookmarks |
|--|--|

DisplayFavorites/DisplayBookmarks

- | | |
|---|--|
| <ul style="list-style-type: none"> -allows client to send curl requests to the server to handle a POST request (retrieving user favorites/bookmarks to be displayed in the listview) | <ul style="list-style-type: none"> Appdatabase Server getFavorites/getBookmarks |
|---|--|

RemoveFavorites/RemoveBookmarks

- | | |
|--|--|
| <ul style="list-style-type: none"> -allows client to send curl requests to the server to handle a DELETE request (removing specified mediaID from user favorites/bookmarks) | <ul style="list-style-type: none"> Appdatabase Server getFavorites/getBookmarks |
|--|--|

Abstract

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

- | | |
|---|---|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Server AppDatabase getPicture |
|---|---|

Abstract

getPicture (This is for handling of curl requests)

- | | |
|--|--|
| <ul style="list-style-type: none"> takes a request from the client with a body containing a mediaID which is used to retrieve the blob from the database that contains the picture of that mediaID. Returns as a byte array to later be displayed. | <ul style="list-style-type: none"> AppDatabase, Server |
|--|--|

Interface	
addMediaProfile	
<ul style="list-style-type: none"> takes a request from the client with a body containing title, mediaType, summary, genres, tags, links, and local image source (as a string) and adds the information to the database, returning if the add was a success 	<ul style="list-style-type: none"> AppDatabase, Server

Abstract	
getTopRatedMedia	
<ul style="list-style-type: none"> takes a request from the client and fetches a list of mediaID's that are in descending order based off of their media rating. 	<ul style="list-style-type: none"> AppDatabase Server

user_list	
<ul style="list-style-type: none"> Create the table and functions for the user list database 	<ul style="list-style-type: none"> AppDatabase

activity_media_list_page_fragment	
<ul style="list-style-type: none"> Create a template for user made lists 	

LoadingSpinnerFragment	
Fragment	
<ul style="list-style-type: none"> Activates and disables the loading spinner on server login and signup calls. Blocks user input until a response has been recieved and handled. 	<ul style="list-style-type: none"> MainActivity