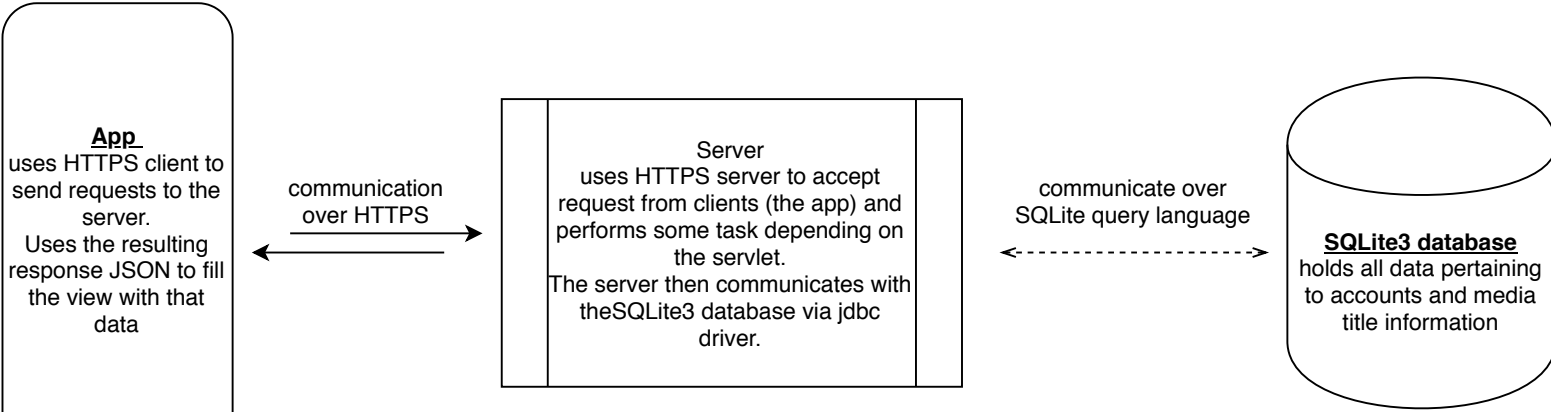


Developers of the Millenium

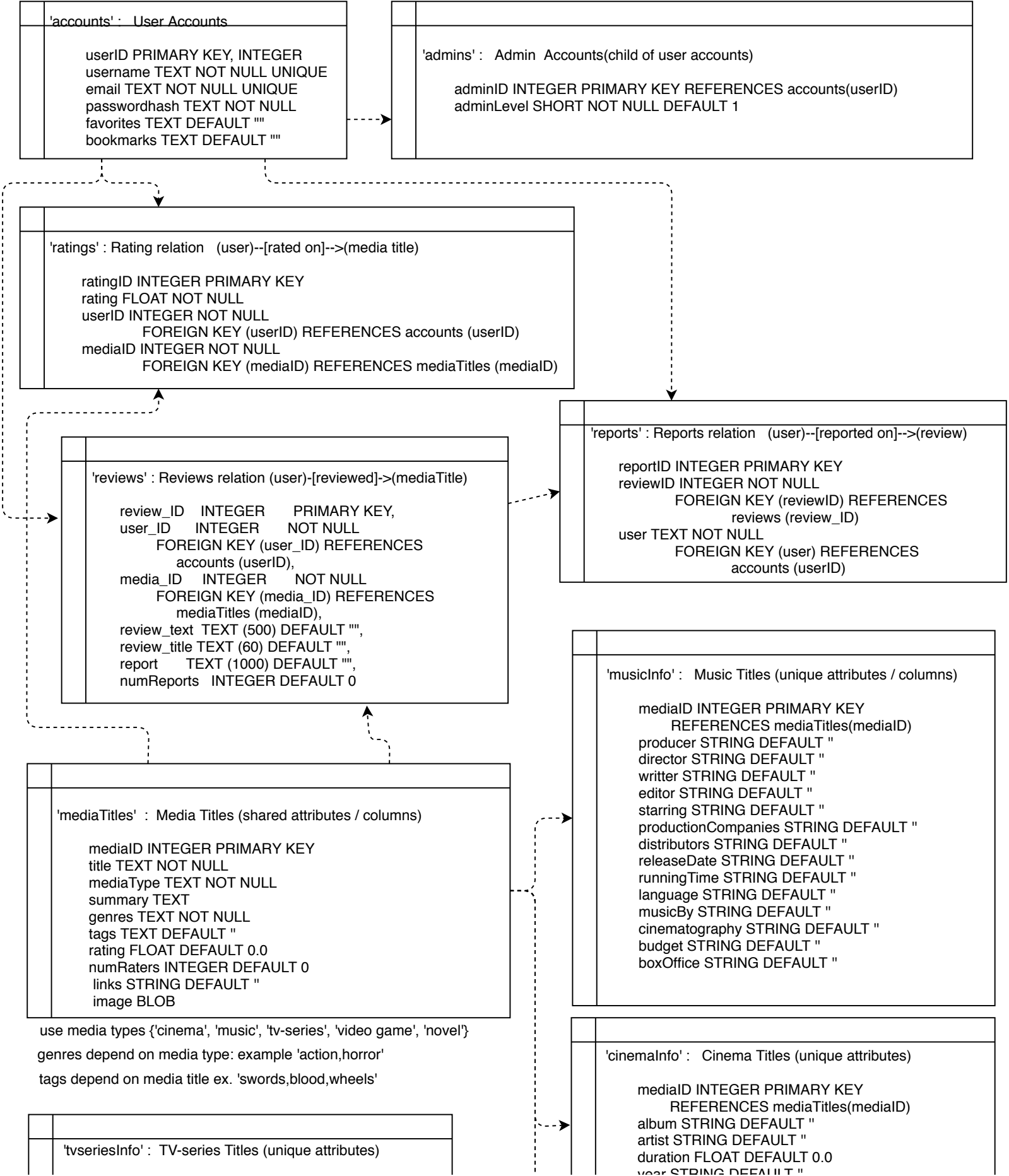
System Design

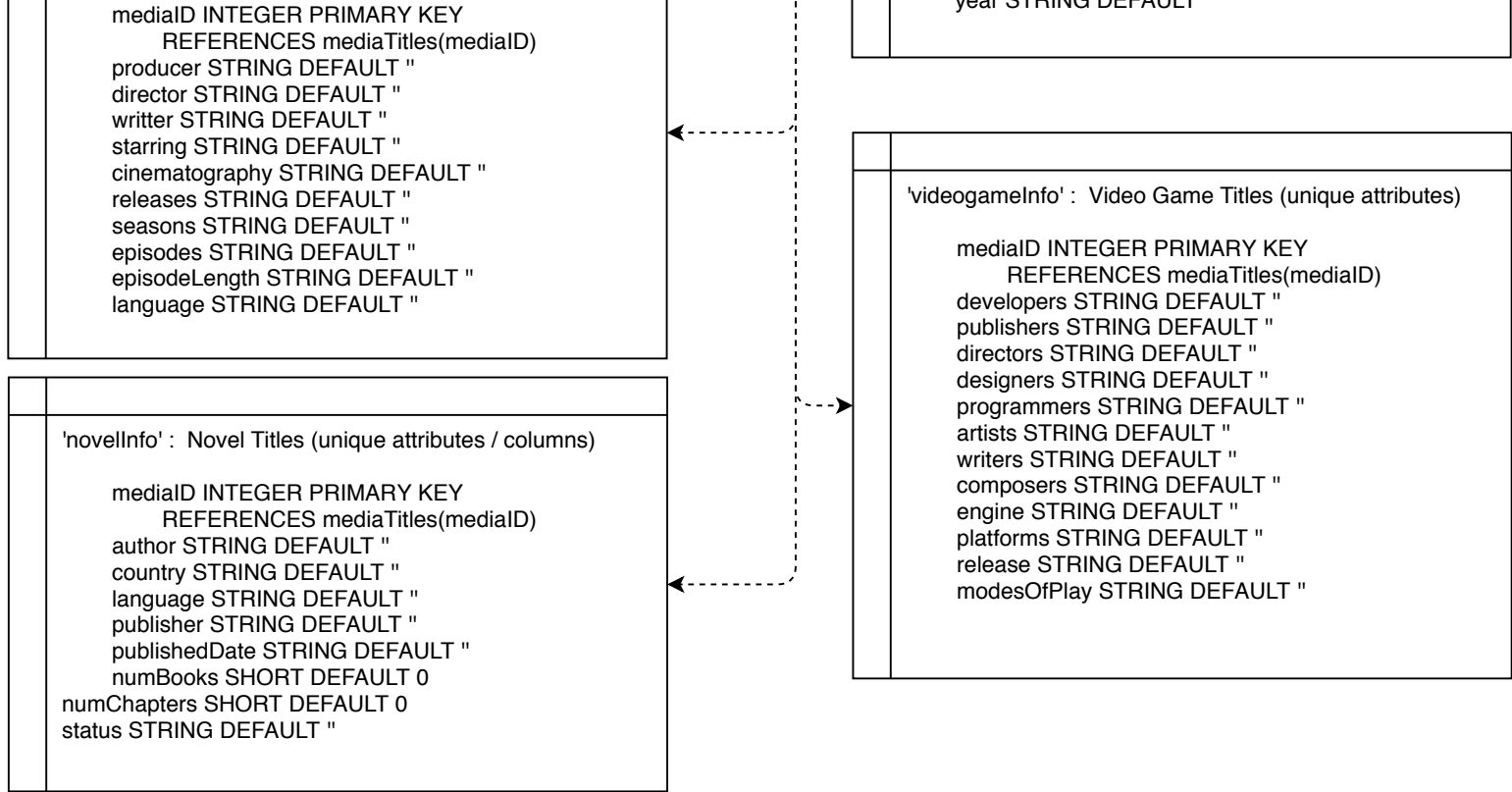
| |
|-------------------------------|
| Table of Contents |
| Software Architecture Diagram |
| CRC Cards |

Basics

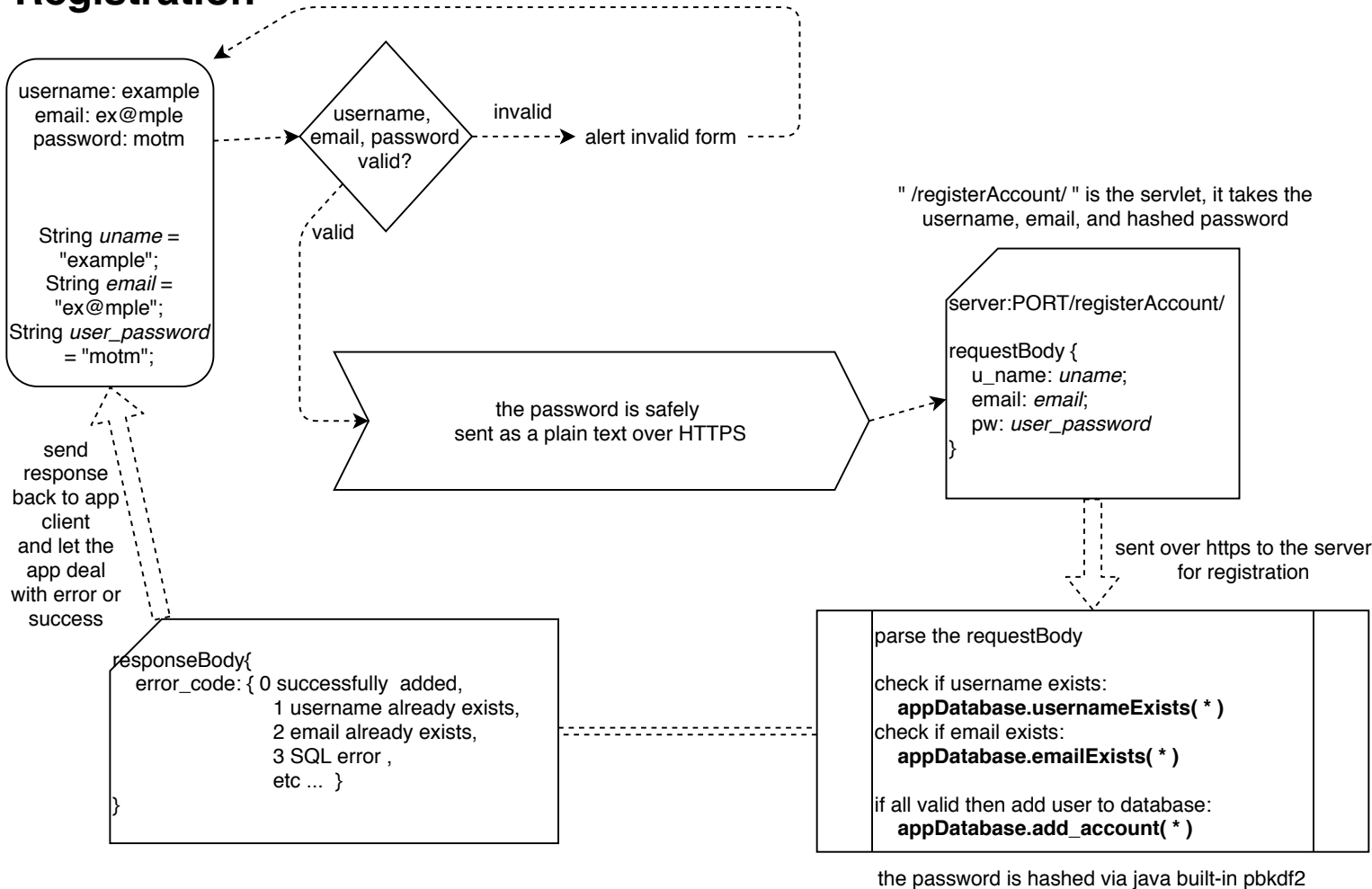


Database (this is a work in progress)

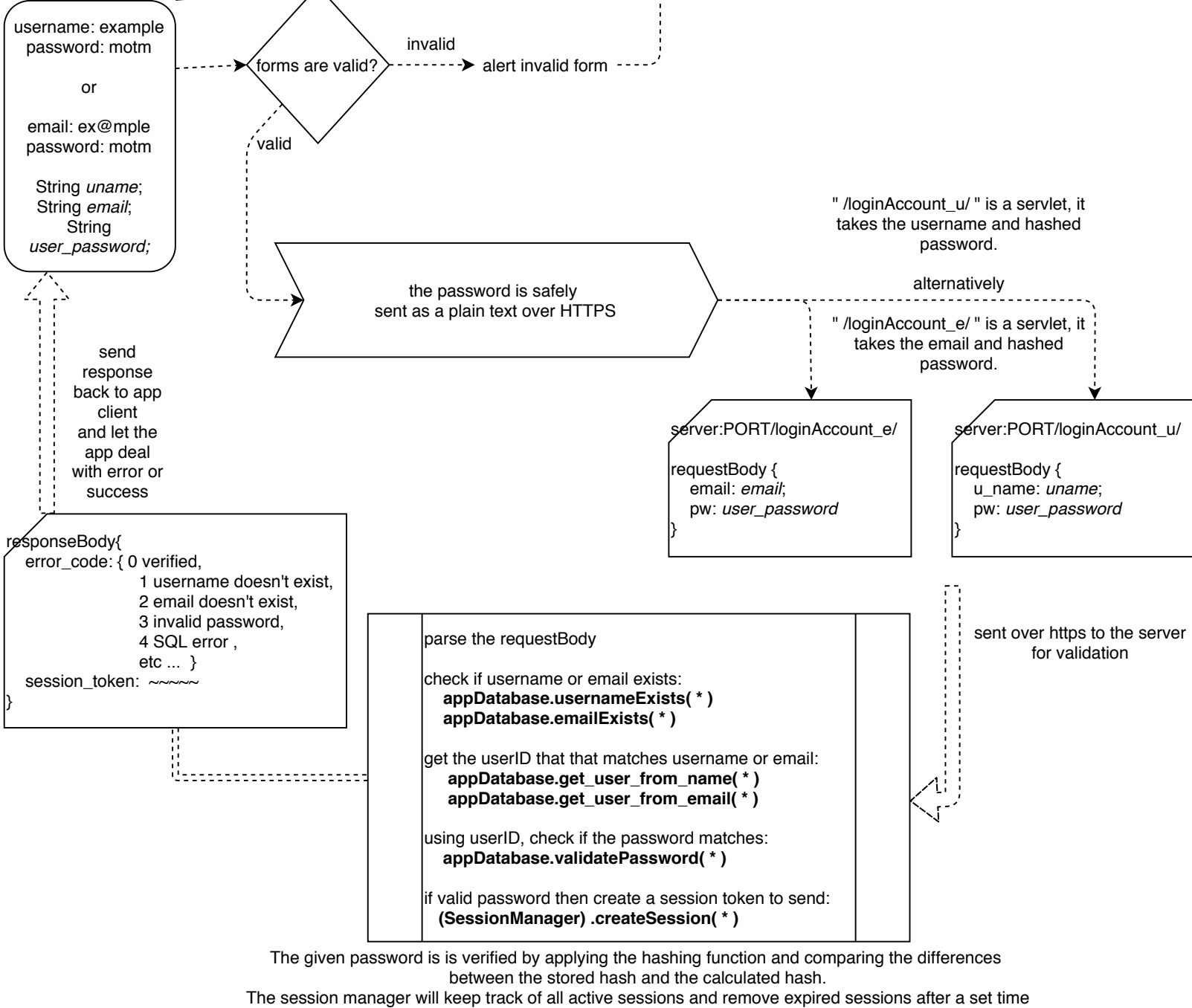




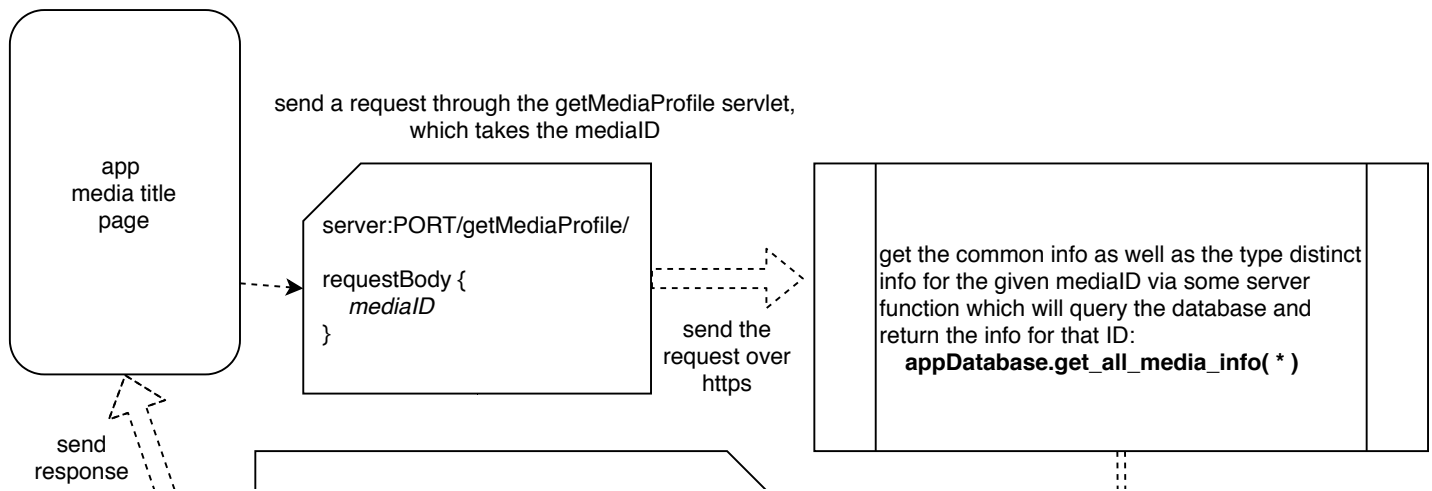
Registration



Validation



get Media Profile



back to app client and let the app deal with error or success

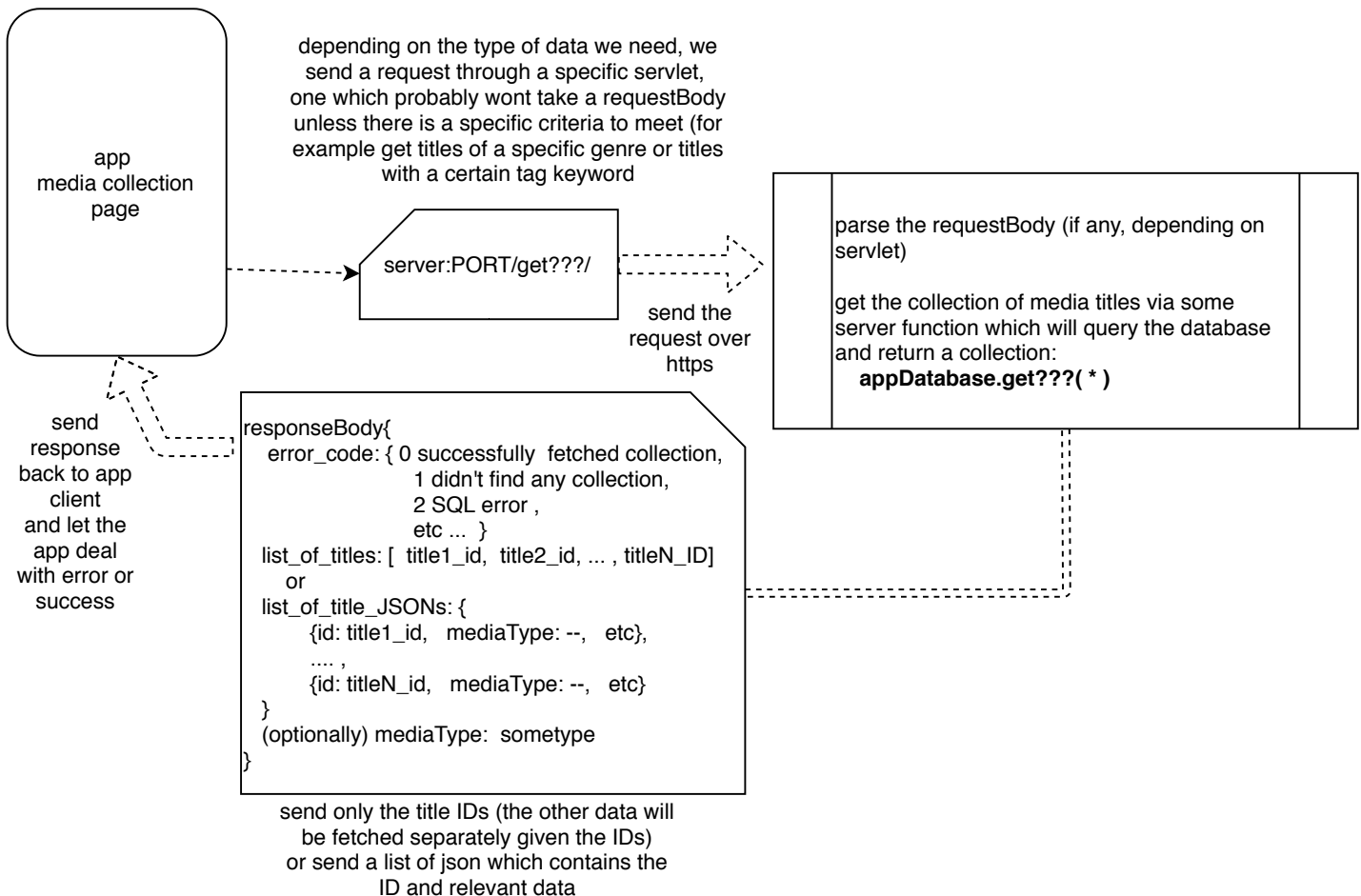
```
responseBody{
  error_code: { 0 successfully fetched collection,
               1 invalid mediaID,
               2 critical server error ,
               etc ... }

  common: {~,~, , , }
  distinct: {~,~, , , }
}

cover_img (sent separately)
```

send all necessary data (image will probably have to be sent separately due to http functionality)

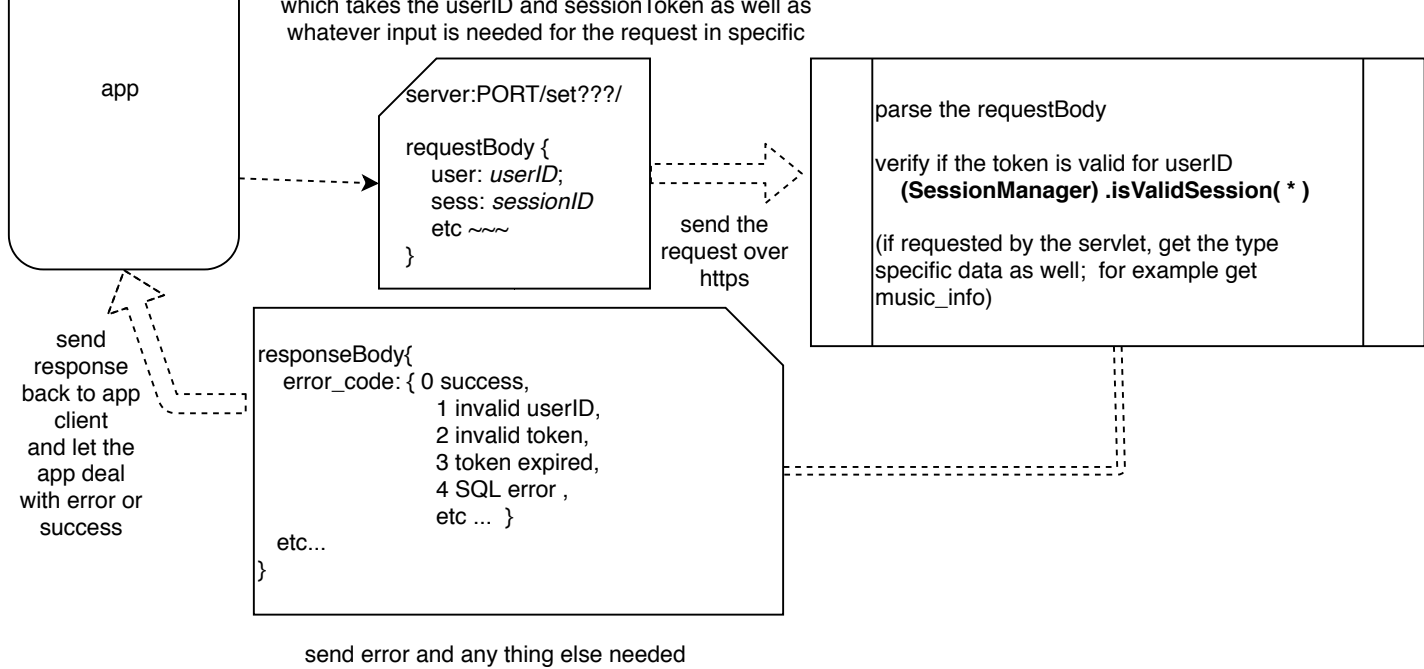
example of a general endpoint ex: get collection of Media titles



account sensitive request (example)

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

depending on the type of data we need, we send a request through a specific servlet,



getReports (handles curl requests from client)

- | | |
|--|---|
| <ul style="list-style-type: none"> taking a request from the client with a body containing a reviewID, username which it then add the info to the database (PUT) taking a request from the client with a body containing a reportID which it then remove the report from the database (DELETE) | <ul style="list-style-type: none"> AppDatabase, Server |
|--|---|

Abstract

AddReport (sends curl requests to server)

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

Abstract

GetUserMediaRating/GetMediaRating (send curl request to server)

- | | |
|--|---|
| <ul style="list-style-type: none"> - sends curl request to retrieve user media rating/public media rating | <ul style="list-style-type: none"> AppDatabase Server getMediaRating getUsersRating |
|--|---|

Abstract

UpdateRating (send curl request to server)

- | | |
|---|--|
| <ul style="list-style-type: none"> sends curl request to update a users rating information | <ul style="list-style-type: none"> AppDatabase Server updateUsersRating |
|---|--|

getSuggestionsFromFavorites

- | | |
|---|---|
| <ul style="list-style-type: none"> get a suggestions list of media IDs via the users favorites select some genres from the titles in the favorites and find titles of the same genre excluding the ones in the favorites. If the favorites are empty then random titles will be used. | <ul style="list-style-type: none"> AppDatabase Server SessionManager |
|---|---|

mediaTitleSearch

- | | |
|---|--|
| <ul style="list-style-type: none">searching the database for a media title that contains a sub-string and returning all matches | <ul style="list-style-type: none">AppDatabaseServer |
|---|--|

getMediaRating (handles curl requests from client)

- | | |
|---|--|
| <ul style="list-style-type: none">get the total rating and number of raters for a media title | <ul style="list-style-type: none">AppDatabaseServer |
|---|--|

getUsersRating (handles curl requests from client)

- | | |
|--|--|
| <ul style="list-style-type: none">get a user's rating on a media title | <ul style="list-style-type: none">AppDatabaseServer |
|--|--|

updateUsersRating (handles curl requests from client)

- | | |
|--|--|
| <ul style="list-style-type: none">updating or adding a user's rating to a media title (update both the media rating and the user's rating) | <ul style="list-style-type: none">AppDatabasServerSessionManager |
|--|--|

mediaListFragment

- | | |
|---|---|
| <ul style="list-style-type: none">add functionality to the mediaList view | <ul style="list-style-type: none">AppDatabase |
|---|---|

addImage

- | | |
|---|---|
| <ul style="list-style-type: none">Adding an image binary via command line with the path to the image file as the argument.Data will be inserted to the last inserted row in the mediaTitles table. | <ul style="list-style-type: none">AppDatabase |
|---|---|

getReviews

- | | |
|--|--|
| <ul style="list-style-type: none">• takes a request from the client with a body containing a reviewID, username/email and session_token which is used to delete the review from the database | <ul style="list-style-type: none">• AppDatabase• Server |
|--|--|

getUserInfo

- | | |
|--|--|
| <ul style="list-style-type: none">• gets the user info from the database | <ul style="list-style-type: none">• AppDatabase• server |
|--|--|