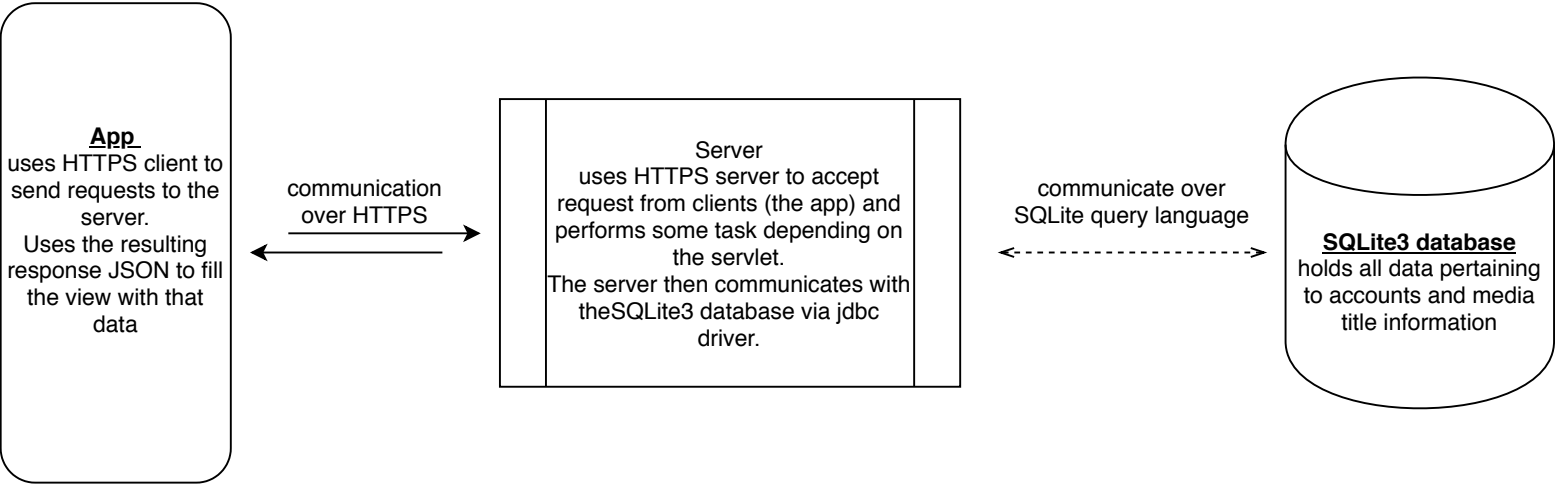


Developers of the Millenium

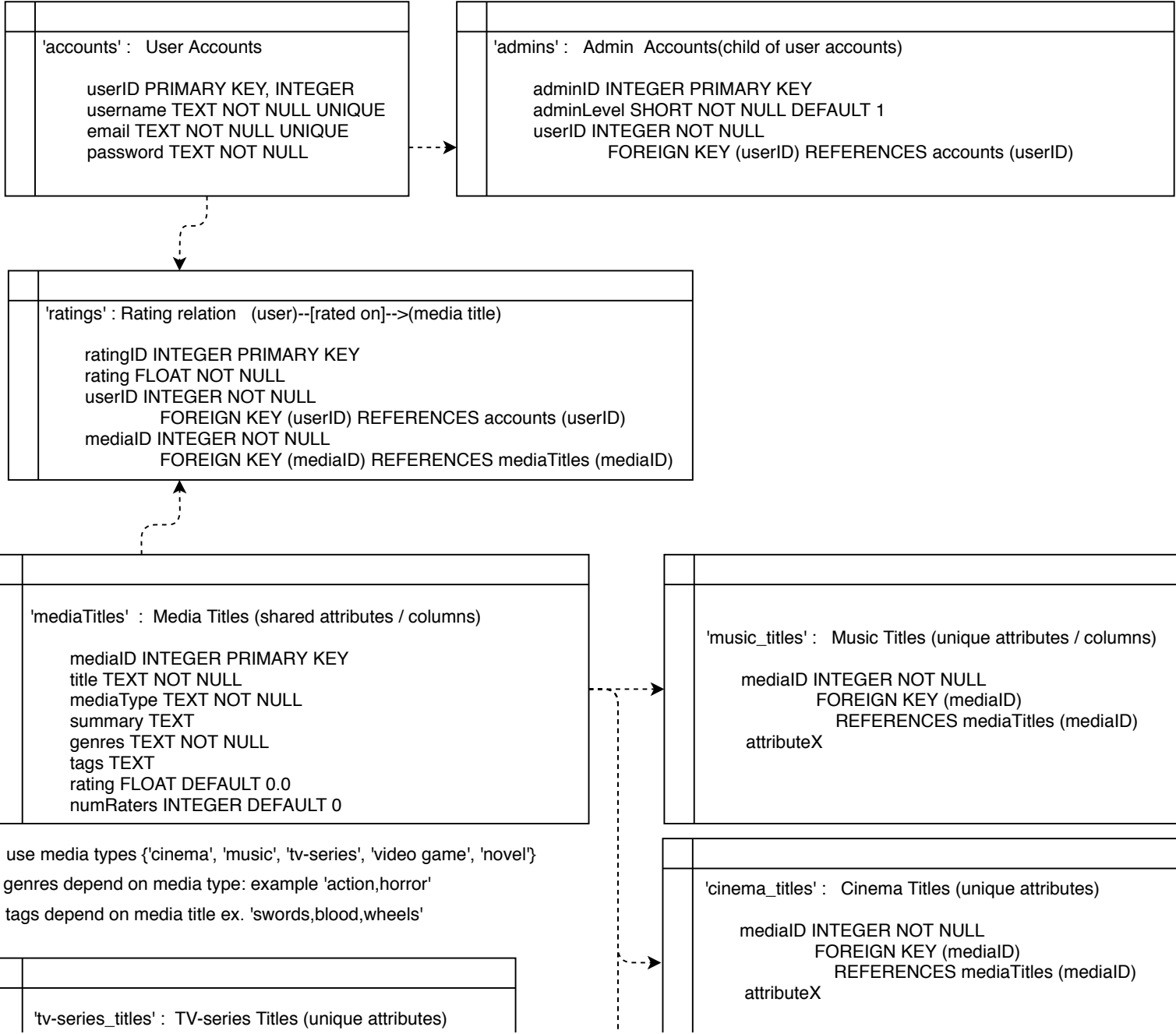
System Design

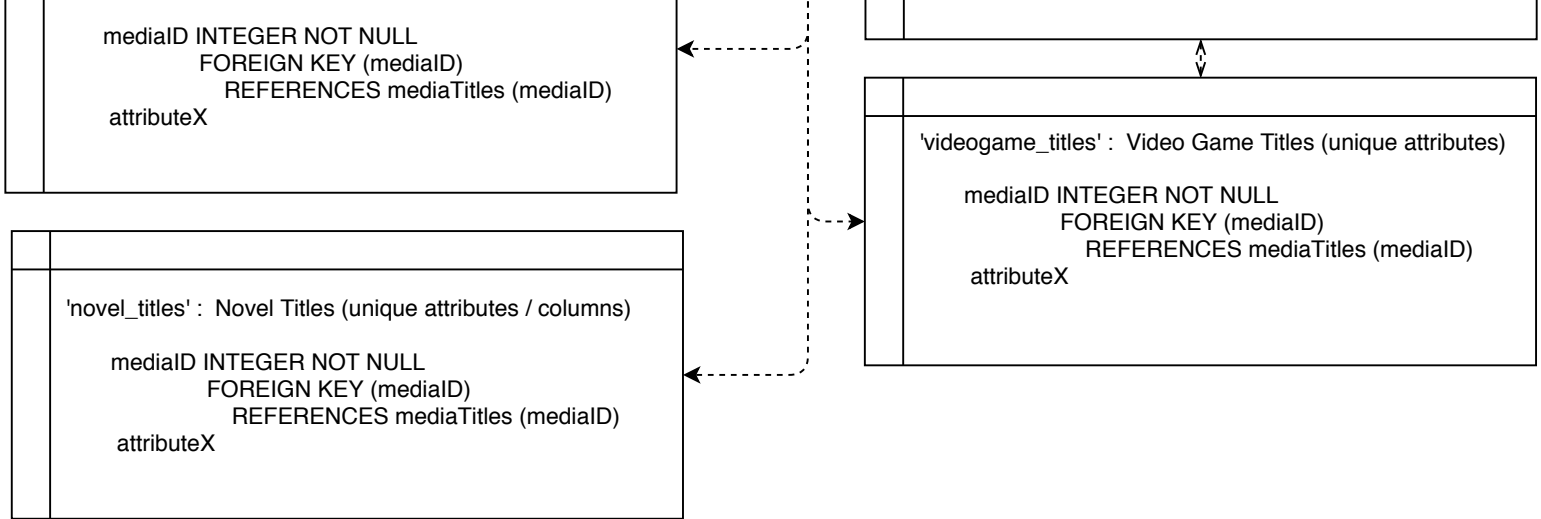
<b>Table of Contents</b>
Software Architecture Diagram
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# Basics

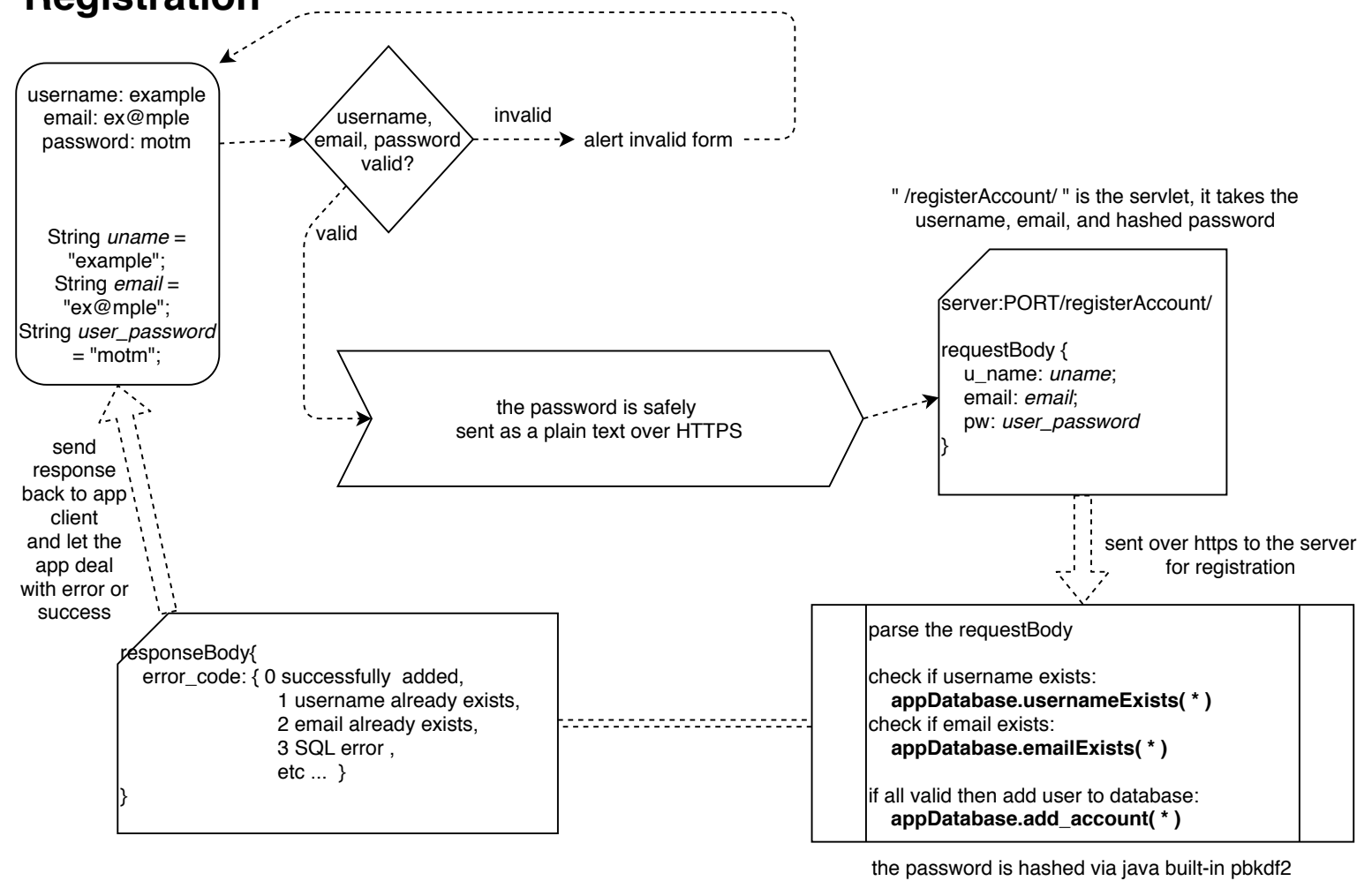


## Database (this is a work in progress)

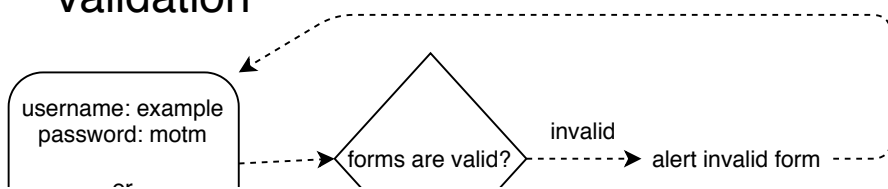


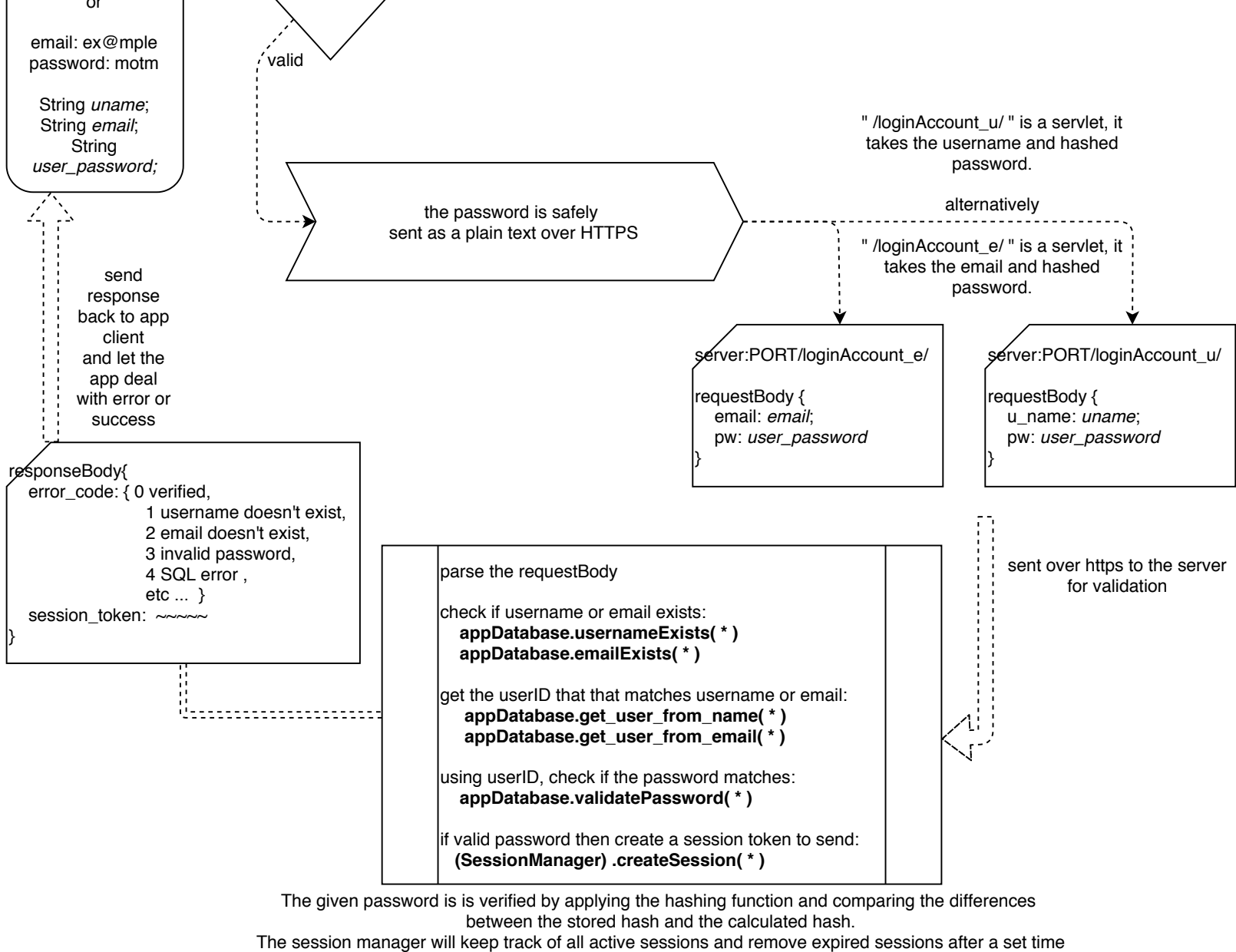


## Registration

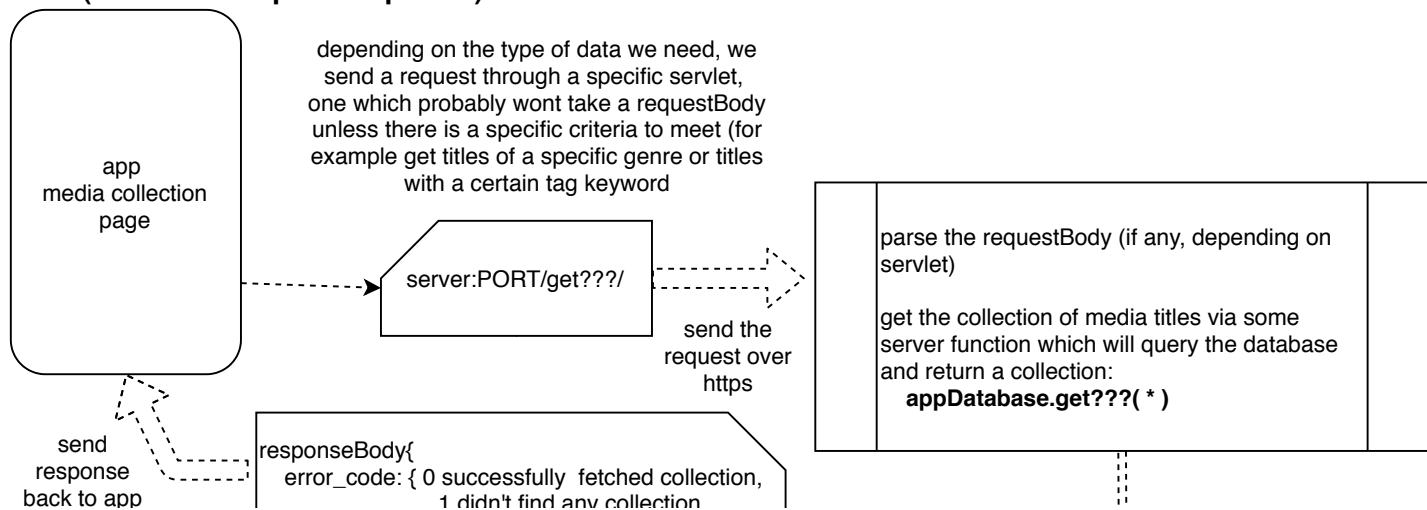


## Validation





## get collection of Media titles (for example top 10)

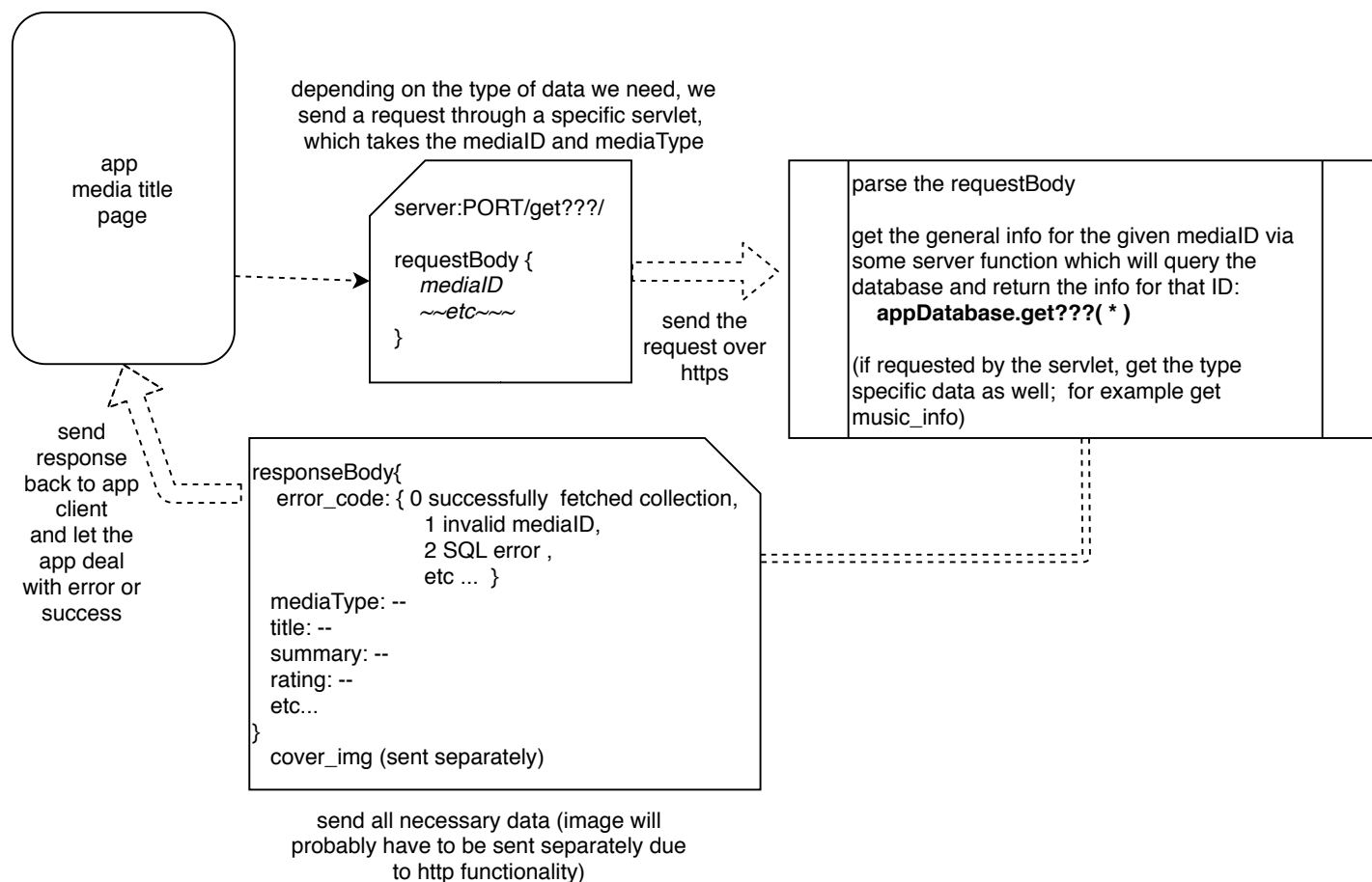


client  
and let the  
app deal  
with error or  
success

```
1 didn't find any collection,  
2 SQL error ,  
etc ... }  
list_of_titles: [ title1_id, title2_id, ... , titleN_ID]  
or  
list_of_title_JSONs: {  
  {id: title1_id, mediaType: --, etc},  
  .... ,  
  {id: titleN_id, mediaType: --, etc}  
}  
(optionally) mediaType: sometype  
}
```

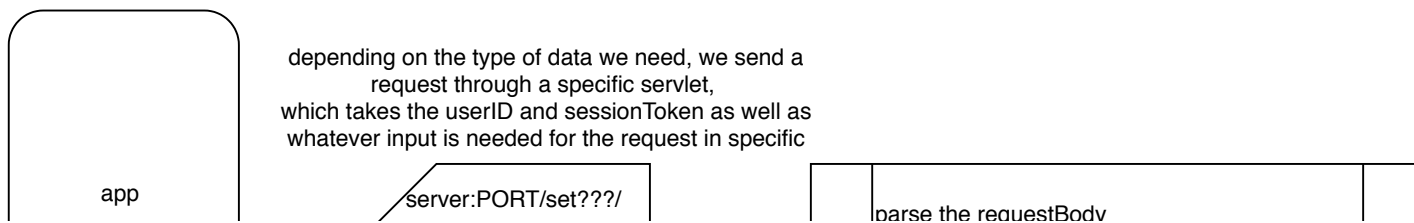
send only the title IDs (the other data will  
be fetched separately given the IDs)  
or send a list of json which contains the  
ID and relevant data

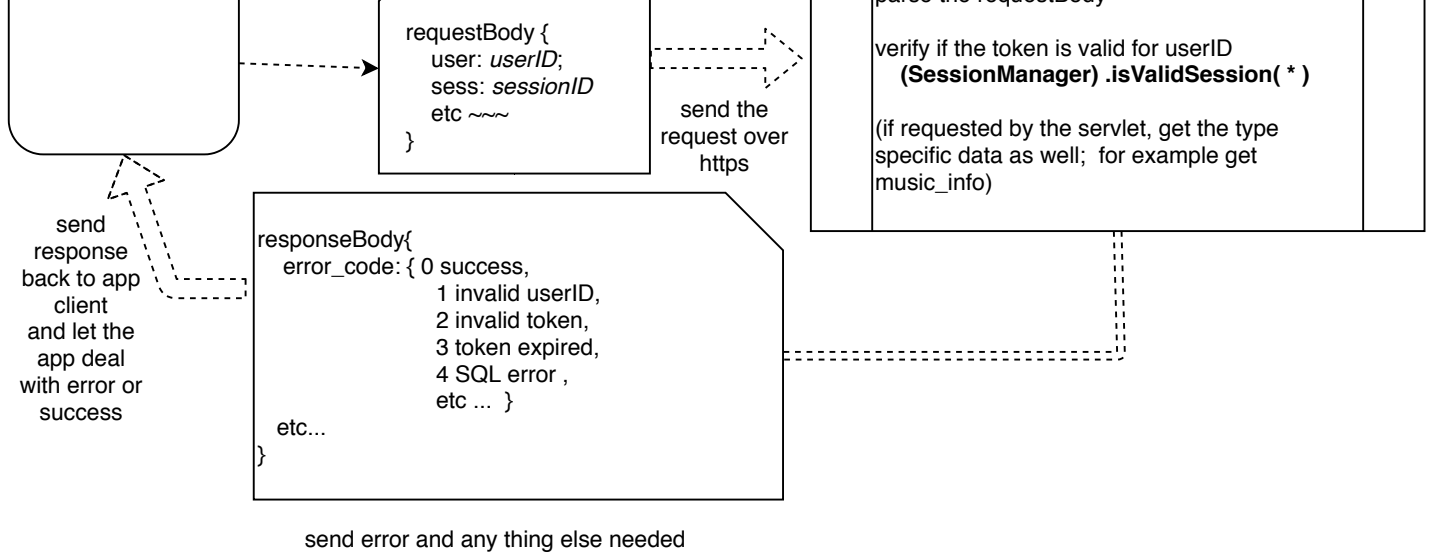
## get Media title info



## make account sensitive request (WIP)

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





MediaProfilePage		AppDatabase
<ul style="list-style-type: none"><li>• Stores information about a media profile pages in an object</li><li>• Stored information will be retrieved and displayed on the UI</li></ul>		

ReviewFragment		
<ul style="list-style-type: none"><li>• Created functionality to the page</li><li>• user is able to add,edit, and delete reviews</li></ul>		

reviews_page_fragment.xml		
<ul style="list-style-type: none"><li>• Updated the layout to work with the functionality</li></ul>		

Reviews		AppDatabase
<ul style="list-style-type: none"><li>• created database for the reviews</li><li>• stores information that is linked to each review made</li></ul>		

Server		
<ul style="list-style-type: none"><li>• host the https server</li><li>• main handler of session manager</li><li>• main handler of database</li></ul>	<ul style="list-style-type: none"><li>• InetAddress</li><li>• SSLContext</li><li>• SessionManager</li><li>• AppDatabase</li><li>• registerAccount</li><li>• validateAccount</li></ul>	



### registerAccount

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• communicate with the AppDatabase and Server to handle a request from a client, take appropriate action by interacting with the database, then returning a reply to the client</li> <li>• register an account with the arguments provided in the request body</li> <li>• (might return a sessionID on registration, allowing user to proceed after registration rather than sending back to the login page)</li> </ul> | <ul style="list-style-type: none"> <li>• AppDatabase</li> <li>• (SessionManager)</li> </ul> |
|--|---|

### validateAccount

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• communicate with the AppDatabase and Server to handle a request from a client, take appropriate action by interacting with the database, then returning a reply to the client</li> <li>• validate account credentials with the arguments provided in the request body</li> <li>• return a session ID on valid credentials</li> </ul> | <ul style="list-style-type: none"> <li>• AppDatabase</li> <li>• SessionManager</li> </ul> |
|---|---|

### HelloWorld

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• communicate with the Server to handle a request from a client and send a reply to the client</li> <li>• testing communication through the connection</li> </ul> |  |
|--|--|

### RegisterAccount

AsyncTask

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Handles communicating registration requests with the HTTPS client</li> <li>• Replaces the fragment if the request was successful</li> </ul> | <ul style="list-style-type: none"> <li>• SecureHttpClient</li> </ul> |
|--|--|

### ValidateAccount

AsyncTask

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Handles communicating login requests with the HTTPS client</li> <li>• Replaces the fragment if the request was successful</li> </ul> | <ul style="list-style-type: none"> <li>• SecureHttpClient</li> </ul> |
|---|--|

**SecureHTTPSClient**

- Sets trusted HTTPS certificates
- Sends and receives HTTPS requests

**SignupPageFragment**

Fragment

- Sends signup requests to RegisterAccount
  - Checks if the email is in a correct format
  - Checks if password and passwordConfirm are the same
- RegisterAccount