YouTube Library

The purpose of this small application is to keep track of some of our favorite videos in a library.

Each library contains 0, 1 or more video_id (YouTube id).
The user can
- play videos from his existing library.
- search for new videos on YouTube (via YouTube Data API)
- add a new video found on YouTube to his own library.
- remove a video from his library.
- search, filter his own library of videos (optional)
- send/share a video to another user (optional, in this case, consider the username as being unique)

A user is simply identified by an account name in the URL (http://youtubelib.php?user=john)

We provide the JSON database which simply consists of two files for two users (John and Mark).
Each user will be able to view his library and modify its contents.
All libraries are simply JSON text files on the PHP server.

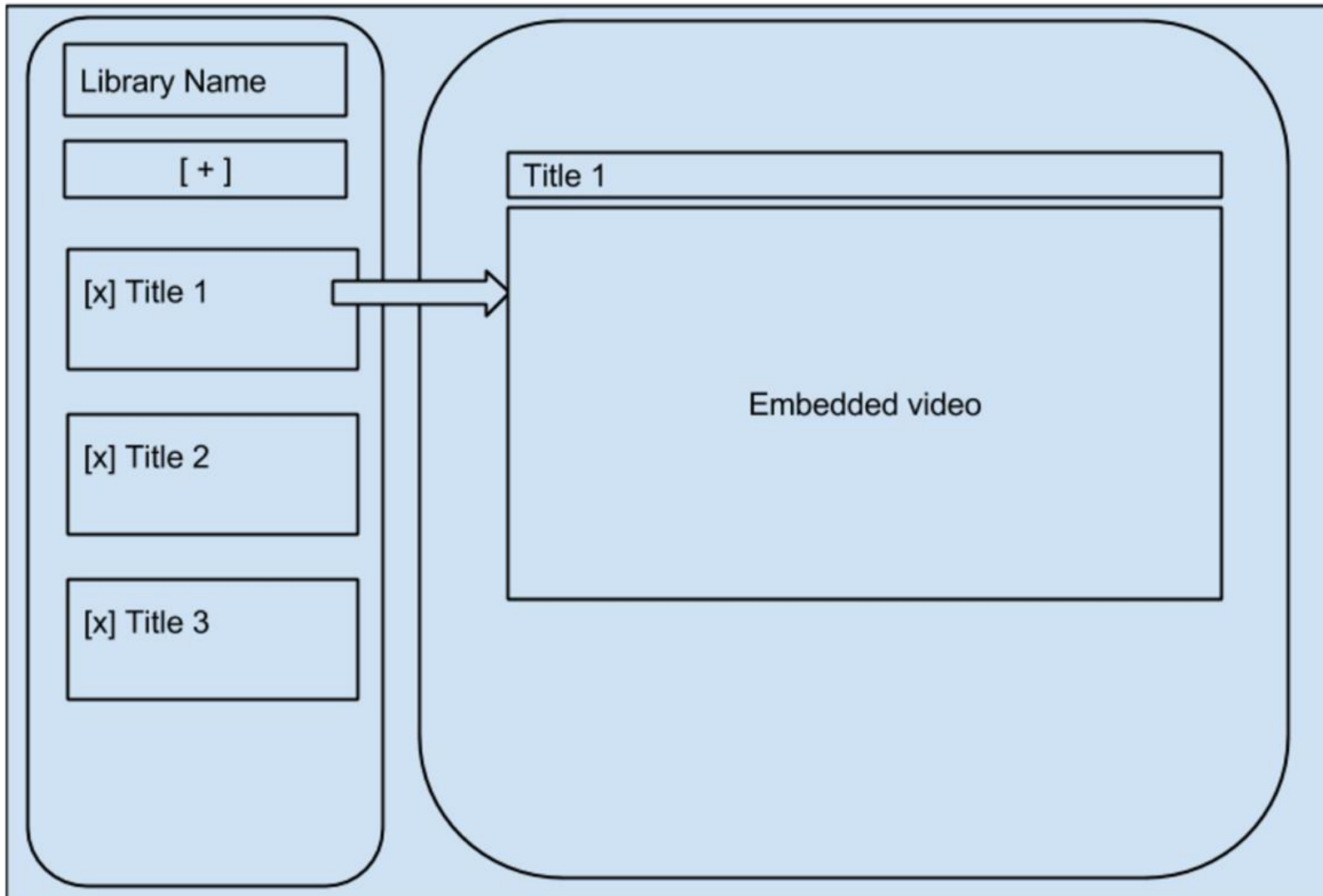The PHP server handles library data handling.
The GUI will be developed in TypeScript and Functional React.

The library displays all the videos it contains. Clicking on a video starts it on the right main panel.
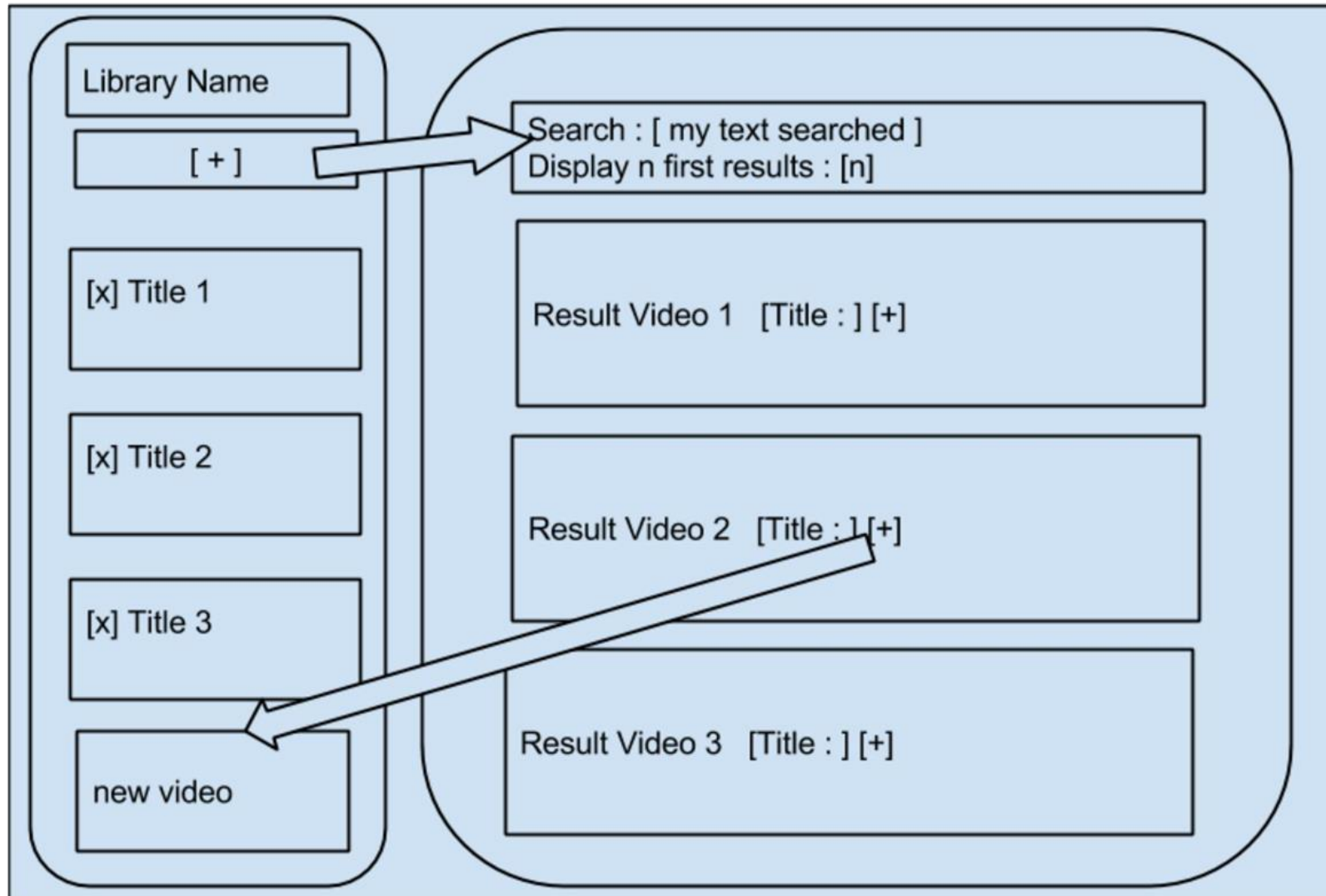All videos thumbnails are styled via CSS and use MVC for further evolutions.

Please, keep in mind performances, maintainability and security concerns.

Try to load JSON library and display them graphically:

Clicking on [+] displays search form. The search form allows to search the YouTube catalog. The user can limit the result set [1-5] The chosen video will be saved in the catalog either by clicking on it (visual animation) or dragging it to the left panel.

The title is the YouTube title by default but can be modified by the user.

Library Name

[+]

[x] Title 1

[x] Title 2

[x] Title 3

new video

Search : [my text searched]
Display n first results : [n]

Result Video 1   [Title :] [+]

Result Video 2   [Title :] [+]

Result Video 3   [Title :] [+]

On commit, the project is immediately available and testable on your GitHub account or any other public git repository.

Two files must be created as Databases:

John.lib: {"name": "john", "videos": [{"title": "EasyVista IT Service Management for the Mobile User (Française) ","id":"WROlGNthbNE"}, {"title": "AngularJS Fundamentals In 60-ish Minutes","id":"i9MHigUZKEM"}, {"title": "EasyVista IT Heroes - Episode 1","id":"CkZKknKjEwo"}]}

Mark.lib: {"name": "mark", "videos": [{"title":"Learn React - React Crash Course 2018 - React Tutorial with Examples | Mosh","id":"Ke90Tje7VS0"}, {"title": "Introduction to Angular JS","id":"8ILQOFAgaXE"}]}