

## BigLab 2B: APIs Integration (retrieve films from the backend)

### What Are We Building This Week?

You will **update the front-end** of the web-based FilmLibrary (i.e., the outcome of BigLab1) to invoke some of the **APIs** designed and implemented in the previous week. Specifically, the list of films displayed in the front-end must be gathered from the server.

### Step-by-step Instructions

Modify the front-end of the web-based FilmLibrary so that:

- When the home page of the application loads, the available **films are gathered from the server** by invoking the corresponding API endpoint. The retrieved data must be **stored into the application's state**.
- When the user clicks on a filter, the list of **filtered films is gathered from the server** by invoking the corresponding API endpoint. The films must be filtered directly on the server-side.

**Beware:** currently, all the other operations (i.e., add, update, and delete) are still not linked to the server (i.e., they act on the local copy of the retrieved data).

#### **Hints:**

1. *The general specification of the BigLab can be found at:*  
<https://polito-wa1-aw1-2022.github.io/materials/labs/BigLab2/BigLab2.pdf>
2. *The specification of BigLab 2A can be found at:*  
<https://polito-wa1-aw1-2022.github.io/materials/labs/BigLab2/BigLab2A.pdf>
3. **Trust the server!** *It shall be always up-to-date, and every operation rely on it, not on the internal state of the web application.*