Lab 9: APIs Integration (part I)

You will **update the front-end** of FilmLibrary to fetch and display the list of films from the server using the **APIs** designed and implemented in Lab 3.

1. Film list

Modify the FilmLibrary React application so that:

- When the application's home page loads, the available **films are gathered from the server** by invoking the corresponding API endpoint. The retrieved data must be **stored in 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 not linked to the server yet (i.e., they still act on the local copy of the retrieved data).

Notes:

1. **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.*
2. **Remind**: *currently, the add and edit operations will not work as expected. Each time a filter is selected and the FilmLibrary is retrieved from the back-end, any changes made through add/edit operations will be lost. This is acceptable for now because these changes are not being communicated to the back-end. The next lab will fill this gap.*
3. *A possible solution of the Lab 3 (API server) is available at https://github.com/polito-webapp1/lab-2024/tree/main/lab03-express.*