

## Lab 9: APIs Integration (retrieve films from the backend)

You will **update the front-end** of the web-based FilmLibrary developed so far 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.

### 1. Film list

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. **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. Create a back-up copy of the database before testing your APIs.