Lab 7: React Forms

You will add interactive functionalities to your React-based FilmLibrary. Specifically, users will create and add new films, edit already available film properties, and validate the provided inputs.

1. Add a New Film

Update the web application developed so far to allow users to **insert new films** dynamically and interactively. When the user clicks on the '**+**' button, show a form <u>under</u> the displayed list of films and give users the possibility to add a new film (with all its properties). When the form is displayed, the '**+**' button must not be rendered anymore.

The form must include suitable validation in the JSX input fields, at least about required fields, a non-empty title, and rating between 0 and 5 (inclusive).

By submitting the form, add the newly inserted film into the state(s) used to store the film list. After successfully adding the film, if it is compliant with the active filter, it must be automatically visualized in the list of films without any other user action.

2. Editing a Film

Enable users to **edit an existing film**. Clicking on the edit icon (✎) near each entry of the film library, the form developed for creating a new film have to appear allowing the user to modify the selected film. The form must be **pre-filled** with the information already available for the specified film. As for adding, after a film is edited, it must be automatically visualized (with the new values) in the list of films without any other user action if it's compliant with the active filter.

3. *Optional*: Additional Validation

The form should be fully validated before its submission and, if the validation fails, you must *cancel the submission* and you must *show proper error messages*. In addition, you should *highlight all the invalid fields*. Validation must be executed both during the *add* and the *edit* operations, in the JavaScript methods. Specifically, suggested checks can be:

- The **title** must not be composed by spaces.
- The **date** cannot be in the future.

> **Notes:**
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> 1. *You can find the edit icon (plus other useful icons) in the Bootstrap Icons site:*
>   *https://icons.getbootstrap.com*
> 2. *If you want, you can use the available Lab 6 solution as starting point:*
>   https://github.com/polito-webapp1/lab-2024/tree/main/lab06-react