

Lab 9: React Forms


You will add interactive functionalities to your web-based FilmLibrary. Specifically, you will enable users to create and add new films, to edit already available film properties, and (optionally) to 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 **under** 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.

By submitting the form, add the newly inserted film into the state(s) used to store the film list. After the submission of a film, if it is compliant with the active filter, it must be automatically visualized in the list of films without any other user action. **Hint:** this behavior is automatically enabled by React if the state and props are properly designed.

2. Editing a Film

Enable users to **edit an existing film**: add an edit icon () near each entry of the FilmLibrary and re-use the form developed for creating a new film. Also this form must be rendered under the film list (i.e., in the same place where you previously rendered the add form). It must be **pre-filled** with the information already available for the specified film. As for adding, after a film is edited, once saved it must be automatically visualized (with the new values) in the list of films without any other user action.

3. Optional: Validation

The form should be 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. Specifically, suggested checks are:

- The **title** must not be empty.
- The **rating** property should be *between zero and five* inclusive.

Hints:

1. You can find the edit icon (plus other useful icons) in the Bootstrap Icons site:
<https://icons.getbootstrap.com>
2. As usual, you can use the available previous lab solutions as starting point.