

Lab 7: Multiple Pages in React

You will update your React-enabled FilmLibrary to support multiple “pages” (through routes). Optionally, you will also allow users to edit previously inserted films.

1. Enable Routing through React Router

Update the FilmLibrary application to support multiple “pages” using React Router. Specifically, implement the following points:

- The form for entering a new film must not be displayed anymore under the list of films, but it must be displayed in a separate Route.
- The form for editing an existing film must be displayed in a separate Route.
- Restructure the React application to implement each filter as a separate Route.
Beware: if the user reloads the webpage when the browser URL corresponds to the Route of a given filter, the application has to use the URL to detect which is the current filter and it has to automatically apply it when the page is ready.

Each of the routes described above should display the main graphical components specified in lab 3. Specifically, the **navigation bar**, the **sidebar** with the filters, and the **main** content (which will change according to the selected route). The “+” **button** for adding new films must not be displayed in the routes for adding or editing a film.

2. Optional: Manipulating Films In-line

- Enable users to delete specific films: add a trash icon (🗑️) near each movie and set up its corresponding callback to remove the film from the state(s) used to store the film list. When a film is removed, the list of films is updated without any other user action.
- Update the web application to give users the possibility of changing “in line” some film properties. Specifically, the application must implement:
 - The possibility of changing if a film is **favorite** or not by means of the related checkbox.
Remind: when a film is favorite the color of its title must be red.
- The possibility of changing the film’s **rating** by clicking on a specific star, e.g., if the film is rated two out of five and the user clicks on the fourth star, the new rating becomes four out of five.

Hints:

1. Official documentation of React Router: <https://reactrouter.com/>
2. You can find the trash icon (plus other useful icons) in the Bootstrap Icons site: <https://icons.getbootstrap.com>