Lab 11: Multiple Pages in React

You will update your React-enabled FilmLibrary to support multiple "pages" (through routes).

1. Enable Routing though React Route

Update the FilmLibrary application to support multiple "pages" using React Router. Specifically, implements the following items:

- The form to enter the data for a new film must be displayed in a separate Route.
- The form to edit an existing film must be displayed in a separate Route. Note that, even if it is a different Route, you can reuse the React form component.
- Modify the React application to implement each filter as a separate Route.
  Beware: as an exercise, implement the Route so that if the user reloads the webpage when the browser URL corresponds to the Route of a given filter, the application must use the URL to detect which is the current filter and it must automatically apply it when the page is ready. In practice, the URL allows to directly access a specific page of the application.

Each of the routes described above should display the main graphical components already specified in previous labs, i.e., 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.

Note: during an add or edit operation it is <u>NOT required</u> to maintain the previously selected filter. Keeping the value of the selected filter would require (in order of increasing difficulty) *either* passing a state when navigating between pages (i.e., setting the state attribute in <Link> and navigate() calls), *or* keeping and using an additional state within App which must be kept in sync every time a link is clicked or navigate() is called, *or* using more complex URLs with the name of the selected filter even when adding and editing to keep track of the selected filter in a part of the URL.

2. Manipulating some Films properties In-line

- Update the web application to give users the possibility of changing "in line" some film properties. Consider how to use the function already developed to update a film. Specifically, the application must implement:
  - The possibility of changing if a film is **favorite** or not by means of clicking on the related checkbox.
  - 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/*