
01UDFOV/01TXYOV – WEB APPLICATIONS I

BIGLAB 1C: FILTERS & FORMS

WHAT ARE WE BUILDING THIS WEEK?

You will add interactive functionality to your web-based task manager. Specifically, you will implement filters, and you will enable users to create and add tasks.

STEP-BY-STEP INSTRUCTIONS:

- Consider the full life cycle of the application, and create all the suitable callbacks to implement the required filters (i.e., **all**, **important**, **today**, **next 7 days**, **private**). When a filter is clicked, only the tasks respecting the filter must be visualized. The filter mechanism should not affect the original data source. In other words, filters should affect the visualization of tasks, only.
- Update the web application developed so far to allow users to *dynamically* and *interactively* insert new tasks. To do this, use the Modal component of React Bootstrap: when the user clicks on the '+' button, open a modal and ask for a new task (with all its properties) by filling a form. By submitting the form, add the newly inserted task into the JavaScript data structure.
- The form should be validated before its submission, and you should use proper error messages when inconsistencies are found, e.g., when some mandatory fields are missing.
Beware: form fields should be validated, to reinforce mandatory field and to avoid having not admitted values.

Hints:

1. The general specification of the first BigLab can be found at <https://github.com/polito-WA1-AW1-2021/course-materials/blob/main/labs/BigLab1/BigLab1.pdf>
2. The documentation of the Modal component in React Bootstrap can be found at: <https://react-bootstrap.netlify.app/components/modal/#modals>