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# 01UDFOV/01TXYOV – WEB APPLICATIONS I

## BIGLAB 1B: REACT COMPONENTS' STATE

### WHAT ARE WE BUILDING THIS WEEK?

You will continue to re-structure your web-based task manager to exploit the React framework and its component-based approach. Specifically, you will divide your application into different components, and you will identify the state and props required to store and visualize tasks.

### STEP-BY-STEP INSTRUCTIONS:

- Organize the page using React functional components stored in different files. Your application, for example, might have different components to manage the navigation bar, the sidebar, and the list of tasks with their props.
- Instead of having hard-coded tasks, plan and implement the management of the state and the props of the different components to store a list of tasks. To store tasks, use a proper JavaScript data structure, e.g., the one adopted in Lab 1. Remember that data is stored in the client, since we are still working without a server. Decide which component will hold the state, and how information propagates using props.

#### *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>*