
01UDFOV/01TXYOV – WEB APPLICATIONS I

BIGLAB 2B: APIs INTEGRATION

WHAT ARE WE BUILDING THIS WEEK?

We will **update the front-end** of the web-based task manager (i.e., the final result of the BigLab1) to use some of the **APIs** designed in the previous week. In particular, we will **get the tasks** to be displayed from the server, and we will **save new tasks** on the server-side database.

STEP-BY-STEP INSTRUCTIONS:

Modify the front-end of the web-based task manager so that:

- when the home page of the task manager loads, the available **tasks are retrieved from the server** by invoking the proper API and are then stored into the application state;
- when the user adds a new task, the **task is saved on the server-side database**, and the list of tasks is updated and displayed accordingly. To do so, invoke the proper API for adding tasks, and then retrieve the updated list of tasks from the server.

Beware: for the moment, all the other operations (i.e., filters, delete, and update of tasks) are still not linked to the server (i.e., they act on the local copy of the retrieved tasks).

Hints:

1. *The general specification of the second BigLab can be found at:*
<https://github.com/polito-WA1-AW1-2021/course-materials/blob/main/labs/BigLab2/BigLab2.pdf>
2. *Trust the server! It shall be always up-to-date, and every operation rely on it, not on the internal state of the webapp.*