



# Technical Test at PhantomBuster - Front-end Software Engineer

Welcome to our Technical Test. We are excited that you have made it to this stage! Below, you will find all the instructions.

## Goal of the Test

Reproduce the Phantoms dashboard of a PhantomBuster user.

## Functional instructions

This exercise aims to reproduce the Phantoms dashboard of a PhantomBuster user functionally. On the visual side, it should be similar but does not have to be identical.

Here you can find the dashboard page (please sign up as it is accessible only for logged users): <https://phantombuster.com/phantoms>

You can find the TypeScript file representing the interface ("IPhantoms") and the JSON payload to use as an example in the attachments.

The page must contain:

- The list of Phantoms with at least:
  - Name of the Phantom
  - A drop-down menu with options "rename," "duplicate," and "delete"
  - Launch frequency

- Time remaining before the next auto-launch
- Categories filter
  - Show only the category name, no icon
  - Filter only one category at once
  - Filter persistence by URL when the page is refreshed
- A path, links to a detailed view of each Phantom, and a very basic view of the Phantom
- Anything else that comes to your mind that would improve the project (for example, a search functionality)

## Technical specifications

- Code in complete strict TypeScript (strict null checks, no any, ...)
- Use <https://tailwindcss.com/> for all styles
- Use React with hooks
- Do not use redux or similar library
- Code at least one unitary test (for example → display of the remaining time)
- Load the given payload like an external API call
- Use localStorage as a cache to make everything work persistently (the list of Phantoms as well as the "rename", "duplicate," and "delete" actions). If data is cached, ignore the API, add a button to reset the cache, and reload the API

## Our expectations:

We are interested to see your approach, your way of thinking, and your coding skills.

The visual aspect of the final render does not need to be identical to the original dashboard, neither in shape nor colors; however, we would love for your work to be visually appealing ;)

Please submit your Test by creating a private GitHub repository and sharing the link with Lionel, Hervé, and Lukáš → [lionel.caillis@thephantomcompany.com](mailto:lionel.caillis@thephantomcompany.com), [herve.frackowiak@thephantomcompany.com](mailto:herve.frackowiak@thephantomcompany.com), and [lukas.takac.ext@thephantomcompany.com](mailto:lukas.takac.ext@thephantomcompany.com). We will then share it with the Engineers participating in the Technical Debriefing Interview. Please share it at least one day before the Interview.

## Need help?

Please do not hesitate to ask questions via e-mail to both Hervé and Lukáš → [herve.frackowiak@thephantomcompany.com](mailto:herve.frackowiak@thephantomcompany.com) and [lukas.takac.ext@thephantomcompany.com](mailto:lukas.takac.ext@thephantomcompany.com)

## Time guideline

We hope to see the results of your work in around a week from the moment you receive the Test. Completing the basic requirements of the Test should take around 6-8 hours, but please do not worry! There is no countdown, and the number is just to help you plan your time.