

# Code Challenge: Web Frontend Engineer

## Your task

Create a simple, but **production-ready** web frontend that visualizes the charging state of a customer's battery within the last 24 hours. It should be easy for the user to see at which time the battery has been charged and at which time energy has been consumed from the battery.

Imagine that a backend endpoint to provide historical charging data is currently implemented by another team, but not yet ready to be used by the frontend. The responsible backend developer submitted a file as reference how the backend response will be look like (see `backend-response.json`).

Implement your solution with React and Typescript. Other technologies are free to choose. A Readme file should explain how to run your solution.

Please don't spend more than 4 hours on that challenge. We are more interested in your general approach to solve this assessment than a complete solution. Show us what a production-ready setup should include without the need to fully implement each aspect completely.

## Assessment

The goal of this challenge is to understand your problem-solving approach. In detail, we are paying attention to:

- Usability & accessibility of the user interface
- Your understanding of production-ready software
- Your React, Typescript, HTML & CSS skills
- Code structure, cleanliness & consistency

## Submitting your solution

Please submit your solution as GitHub or GitLab repository link within the next 7 days. If you cannot finish the challenge in this time frame, please let us know in advance and we will adjust the schedule accordingly.

Also, make sure to make the repository private after concluding the interview process.

## Next steps

After the successful evaluation of your submitted code, you will be invited to a technical interview. In this call, we will discuss your solution in more detail. Also, you will have time to explain areas you would have improved if given more time.