Homework Challenge MEHRWERK

Dear candidate,

We're very happy that you're interested in joining the development team at MEHRWERK. To prepare for your second-round interview with the team, we'd like to ask you to complete a short **homework challenge**, described below.

The challenge is designed to take **no more than four hours**. Please keep this in mind when working on it, and don't hesitate to reach out if you have any questions.

We'd like to review your solution before the interview, so please send it to us **as soon as you've completed it, but no later than Wednesday, October 22, at 14:00 CET**. If this deadline is an issue, just let us know.

The homework task

Please create a small web application that allows users to:

- Browse a list of Pokémon.
- View the details of a selected Pokémon by clicking on it.

The application should support two different APIs for retrieving Pokémon information. For example, you could display two lists side by side - each powered by a different API - but the exact design and layout are up to you.

Goal

The goal is to build a small, clean, and intuitive web application that:

- Lets users browse a list of Pokémon.
- Shows details when a Pokémon is selected.
- Works with two alternative APIs to retrieve the data.

Focus on creating a clear, user-friendly, and responsive interface.

Technical Requirements

- Use **React** for the implementation.
- You may use any additional libraries or frameworks you find helpful (e.g., for state management, styling, or API handling).
- The app should work **seamlessly with both APIs**, without requiring code changes inside the app.
- Ensure that the application is **responsive** and works well on both desktop and mobile devices.
- Feel free to use any AI support.

Acceptance Criteria

1. Display a Pokémon List

- Fetch and display a list of Pokémon from both APIs.
- Show for each Pokémon: Name, Image, Types

2. Display Pokémon Details

- When a Pokémon is clicked, show detailed information including Name, Image, Types, Physical characteristics (height and weight), Base stats

Resources

- **PokeAPI:** https://pokeapi.co/ → Provides real Pokémon data.
- **Custom API:** A simple implementation that serves Pokémon data from provided JSON files (e.g., using static file hosting, a lightweight Express server, or another simple approach).

Submission instructions

- Create a GitHub repository for your solution.
- Include a short README.md that describes:
    - The chosen tech stack
    - How to set up and run the project
    - Any architectural decisions you made
- Share the link to your GitHub repository with us via development@mehrwerk.net