



Case Frontend Software Engineer (gn)

As part of our interview process, we would like you to complete a hands-on task that will help us understand your skills in Frontend Development. Please solve the case before the interview and present us your results on your personal laptop in the interview. Good luck!

Objective:

The objective of this challenge is to develop an Angular 17 application that will provide the following functionalities:

- Display of a list of available vehicles.
- Display of a detailed view for individual vehicles.
- Allowing users to add new vehicles through a modal interface.

Requirements:

1. Home Page - Vehicle List Display

- The displayed data must be retrieved from the provided API.
- Display the list of available vehicles in a compact format, showing only essential information
 - vehicle name
 - manufacturer
 - model
 - mileage if available
- Sort the list alphabetically to ensure a structured presentation of data.
- Display a clear and informative message when no vehicles are available.
- Allow users to navigate to the vehicle details page by clicking on a specific vehicle.

2. Vehicle Details Page

- Implement a dedicated details page to provide comprehensive information about a selected vehicle.
- Display all available details associated with the selected vehicle.

3. Vehicle Addition Modal

- Integrate a feature to add new vehicles.
- Provide a clearly defined “Add new vehicle” button, that, on click, opens a modal.
- Allow users to enter relevant vehicle details. (For detailed information see provided openapi.yml)
- Validate input fields before submission according to openapi spec.
- Submit the new vehicle data to the API.
- Dynamically update the vehicle list upon successful submission without requiring a page refresh.
- Ensure that the modal only closes if the data was submitted successfully.