lendis

Software Engineer Assignment

Introduction

Hello! We are very happy that you decided to work on our programming homework, it will be fun, we promise! ;-)

The idea of the exercise is not to write the perfect solution, but rather to get a better feeling of your problem-solving skills, your understanding of the dataset you are working with, your coding style and the tools you decide to use.

This will make the following interviews much easier for you, since you have already shown your technical skills in a realistic problem.

Description

Please implement a trip planner, built on top of the Deutsche Bahn's open API. There is an [excellent wrapper](#) from [transport.rest](#), which we recommend you to use instead of Deutsche Bahn's official API.

The user should be able to specify the name of the city or the station she wants to start her journey, along with the day and time, and get back the journey's details.

The journey can occur with all available modes of transportation, and the language used for all messaging should be English.

The deliverables include a web front-end, where the user will be able to enter the origin, destination and desired time and date, and where the trip details will be returned.

The transport has two bonus parts.

- The first is to deploy the application in a hosting environment of your choice.
- The second is to provide a deployment artifact that will deploy your application to the provider of your choice.

Deliverables

You will need to send over your code in the email thread you got the assignment, along with instructions on installing and running your code, and an explanation of your choices.

The minimum expected is a readme file, but you can do it as nicely as you want, it will definitely give you points.

Conditions

We prefer having the solution in Typescript as the language of choice and React or Next.js as the frameworks of choice. If you feel you can deliver amazing results in another tech stack, feel free.

You will be assessed for the quality of your code and not the language or framework you decided to use.

You are not allowed to use any code you might find online, nor to publish your solution or this document without our explicit consent. For any questions that might arise, please ask within the email thread.

Good luck!