Technical Assessment

Front-end Developer

Description

Please, develop an application which creates a hierarchy table from input data in JSON format.

Every item in JSON consists of its own data and array, which items represent child data. Item's data can have a variable number of attributes (key: value), and item can have a variable number of nested child items. When you click on an item, direct child items are hidden/shown.

There are two attachments in the email you were sent. In those, you can see an example of data in JSON and an example screenshot of the hierarchy table component.

Use the attached "example-data.json" and create the hierarchy table application (similar to the screenshot). The application has data and view layers, which are clearly separated. Implement a "remove" button, which deletes an item in the data and view layer in your application. If an item has children items, they have to be deleted as well.

Scope

- Usage of React.js/Vue/Angular
- Usage of state management of your choice
- Structure of medium-size production application
- Focus on performance, code quality, correct usage of chosen technologies, data consistency
- Design is not important
- (Optional) Write down known issues and what you would done different if you have more time

Submission

Please share your work with us in the form of access to the repository filip.molcik@koala42.com (gitlab/github/…) and also give heads-up on the same address and hr@koala42.com.

Final Comments

We truly appreciate you taking the time to complete this assignment. We don't want you to spend many hours on this. The less the better. We are not looking for perfection. Please let us know how much time you have spent on this.

Please feel free to reach out if you have any doubts or questions.