A close up of a sign

Description automatically generated**Developer’s Home Exercise – React**

Please see attached a json file which represents a specific run of a random software. The json is derived from an object called FlowRun, a short spec for this object is available in this document.

The main target of this task is to **display the attached JSON (and others alike) in a React-based UI.**

Please note that the FlowRun can be extended from time to time, make sure the UI can be easily extended accordingly.

Also, please note that in some cases the json file might contain a huge number of steps. Please take it into account in your implementation, and make sure the screen is not overloaded in these cases.

Once you are done with the task please contact us and we’ll set a follow-up meeting.  
In that meeting we will discuss the way you’ve decided to implement the above, and the way it shows on screen.

If you have any questions during the process, don’t hesitate to contact us.

**FlowRun short spec**

FlowRun is a representation of an instance of a system’s run.   
FlowRun is made of Steps. Each step represents an action or a function to run.

FlowRun holds step/s, child\_runs, return value and time. This is a recursive structure – each child\_runs holds step/s, child\_runs, return vale and time.

Step can be of type Flow, Chain, Condition, ForLoop or Function.

Flow – a step that represents a group of steps/nested flows.  
Flow steps holds a list of steps.

Condition – a step that represents a certain Boolean check to be done.  
Condition step holds a predicate (which is the logical condition – a step or a function), if true step and if\_false step.

Function – a step that represents a certain method to run.  
Function step holds a function definition and args definition.

ForLoop – a step that represents a loop.  
ForLoop steps holds step (the step to run in a loop) and items (to iterate on).

Chain – a step that represents a linkage between several steps. Chain step will pass the return value of the previous step to the next one.