Draft of the meeting with **Martin Desrumaux** [**martin@letik.io**](mailto:martin@letik.io) **14/9 2021 15-16**

1. Jest and Netlify :

the fix was to use nvm and update the node version to version **erbium**

**Martin Deseumareaux has fixed it.**

**setup nvm to run nvm install, it could be done as a part of the yarn install**

**setup to use the appropriate version of node.**

2. Settings passed down through context

can be implemented progressivly.

it can help us in components where data is passed down through several child components where it is only used in the last child component.  
 w3c is working on implementing context API for native support in the browsers.

we will look into using context for passing dynamic data down through the app.  
this will not remove state but

we have a lot of state variables

you can make 10 reactive variables (context) then only the components using the specific changed variable will be reloaded.

you can make 1 reactive variable(context) containing all 10 then all components using any of the changed variables will be reloaded.

In our case it may be better to use 10 variables.

Context is practical to use with typescript.

context may give low latency, bacause it only reloads the affected components.

State is still used for local changes in a component.

make settings context, scale context…..

3. Overall design of the application  
<https://www.icloud.com/iclouddrive/0PyAZy7Jjg-VHENtHQr72TEnw#NotioCurrent2>  
how to acomplish low latency.  
Martin found the planned design really good.

Good idea to make the plugin part, for visualisers like the videoplayer.  
  
-it is important to be aware not to wrap too much from tone.js in a separate wrapper. But making an adapter gives a good module design.

-use webMidi api for implementing midi functionality.  
  
4. other: (controlled and uncontrolled component : ref hooks mixed with state in rootmenu)

- remove the ref hooks from root.js

We asked if Martin had stumpled upon codesmells in the code, he sugests:

-change the code from using class based constructors towars functional components

-move state out from the constructor

-use this declaration for functions: Text

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then you don’t have to re bind in the constructor.

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-Implement Eslint airbnb. it can fix a lot of the codesmells that can be found in the code.

-delete now.json, since we use Netlify for deploying.

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There is more…..