# Objective

Data visualisation and analysis is an important part of our application. Visualising the predicted future operation of a process helps an equipment operator to better understand the current state of the equipment and therefore make better decisions about its operation.

# Details

Build a single page application to visualise data from the provided API endpoint in both a table and a line graph.

Access json data from this API: <https://reference.intellisense.io/thickenernn/v1/referencia>

Current prediction data can be found in the object: current.data.TK1

For each entry in the object starting with *TK1\_* display in a table with the full metric name on one side and the last value in the corresponding values array on the other side:

|  |  |
| --- | --- |
| Metric | Value |
| TK1\_Underflow\_Percent\_Solids | 49.2240521813 |
| ... | ... |
| ... | ... |

In the line graph display each metric (starting with **TK1\_** as in the table) as a different coloured line with the *times* on the x-axis and the *values* on the y-axis.

# Instructions

Build a single page application using the following instructions:

### Using the following tools:

* Node.js and Express.js for the web server
* React based front end
* Any other library or framework you want (i.e. Plottable, D3, Redux, etc)
* Store the project on GitHub, Bitbucket, GitLab, or Gittea to share with us

### Create the following:

* Create a single page application with a table and line graph
* Access the data from the provided API
* Allow different columns in the dataset to be selected for graphing