

# **LuminateOne – Developer Assessment**



## Developer Assessment Task

The assessment task is to develop a web application to display interactive metocean data. The end user would be a marine professional making decisions based on the weather. The data is provided as an ASCII text file of metocean variables — metocean.txt. A backend database is not required but may be utilised if you wish.

## Assessment criteria

1. A well defined backend API. PHP and Laravel is not required but is what we use at LuminateOne.
2. Good selection and use of existing libraries / frameworks.
3. Only open source libraries used.
4. Use of data tables / SVG / d3.js or other visualisation technologies.
5. Interactive display of data to assist in interpretation and decision making. Vue.js is not required but is what we use at LuminateOne.
6. Good time management.
7. Reasoned, written notes.

## Assessment deliverables

1. Source code
2. Bundled dependencies
3. Written explanation
4. Hosted solution (if possible)
5. Discussion of solution during next interview