Frontend assignment 1a:

We would like you to build a new frontend for our home automation project. This would enable us to provide a visual representation of a customer's thermostat data.

Task description:

We would like to be able to visualize the usage of a thermostat from a diagnostics and maintenance perspective. Create a front end interface using React on which the current status of the thermostat can be displayed, these states can be static choices (*off, cool, heat, fan-on, auto),* the user should be able to change between these states and state changes should be handled by react hooks, for this task the state does not need to persist on full page reload. In addition to the thermostat state we would like to display a graph with the temperature, outside temperature and temperature set point of the thermostat over time (Data can be found here https://github.com/ParityInc/backend-assignment/blob/master/thermostat.json). Please write unit tests for your components, try to avoid snapshot testing.

The design is open ended and here you can showcase your creativity.

Create a Github account if you do not have one already, commit all your changes to your repository.

<u>NOTES:</u>

All of this functionality should be built in React. Use any additional libraries you think will help, Once you're finished, **make sure your code is well tested.** *Ensure that your code is clean, and has comments where appropriate.*