Challenge

The following challenge consists of 2 main parts:

- Query data from the agranimo's API.
- Design a layout using the requested data
    - List of devices.
    - Show device details using visual graphs.

Data Description

We provide you an API to query data as you want. You will be able to find enough data to work with. The following are the descriptions for every value.

Device

_id	Device ID
name	Device Name
deviceId	Device identifier
deviceType	Device Type
createdAt	Creation datetime
updatedAt	Last update datetime
status	Current status of the device

Device type

1	Base station
5	Soil moisture

Soil Moisture payload

device_id	Device ID
smo1	All the measurements of the soil moisture 20 cm level captured by the sensor
smo2	All the measurements of the soil moisture 50 cm level captured by the sensor

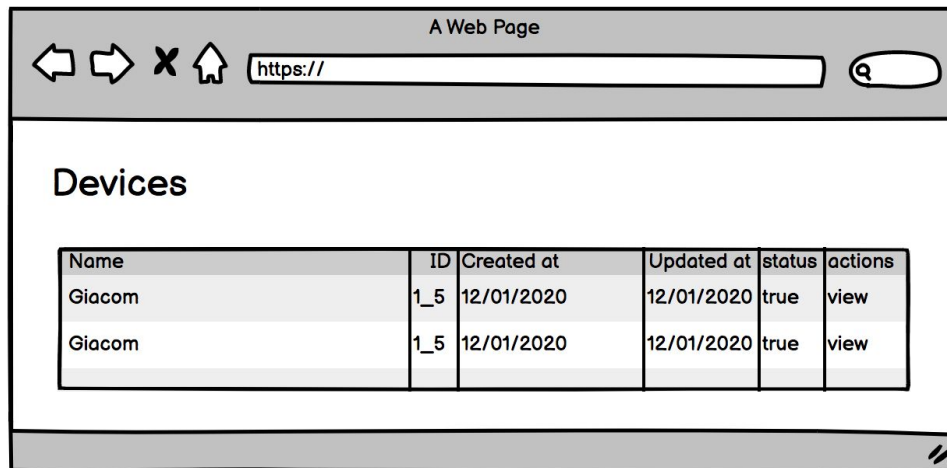|	
smo3	All the measurements of the soil moisture 75 cm level captured by the sensor
stm1	All the measurements of the soil moisture 20 cm level captured by the sensor
stm2	All the measurements of the soil moisture 50 cm level captured by the sensor
stm3	All the measurements of the soil moisture 75 cm level captured by the sensor
count	Total of data points captured by the sensor

Base station payload

zone_id	Zone ID
tem1	All the measurements of air temperature captured by the sensor
hum1	All the measurements of air humidity captured by the sensor
dwp	All the calculations of dew point captured by the sensor
gdd	All the calculations of growing degree days captured by the sensor
chill_hours	All the calculations of chill hours captured by the sensor
eto	All the calculations of reference evapotranspiration captured by the sensor
eta	All the calculations of actual evapotranspiration captured by the sensor
count	Total of data points captured by the sensor

UI Expectations

Device list

Show a list of devices in a table, feel free to use any library. As a base, the project comes with antd already installed, apollo client and other common libraries.
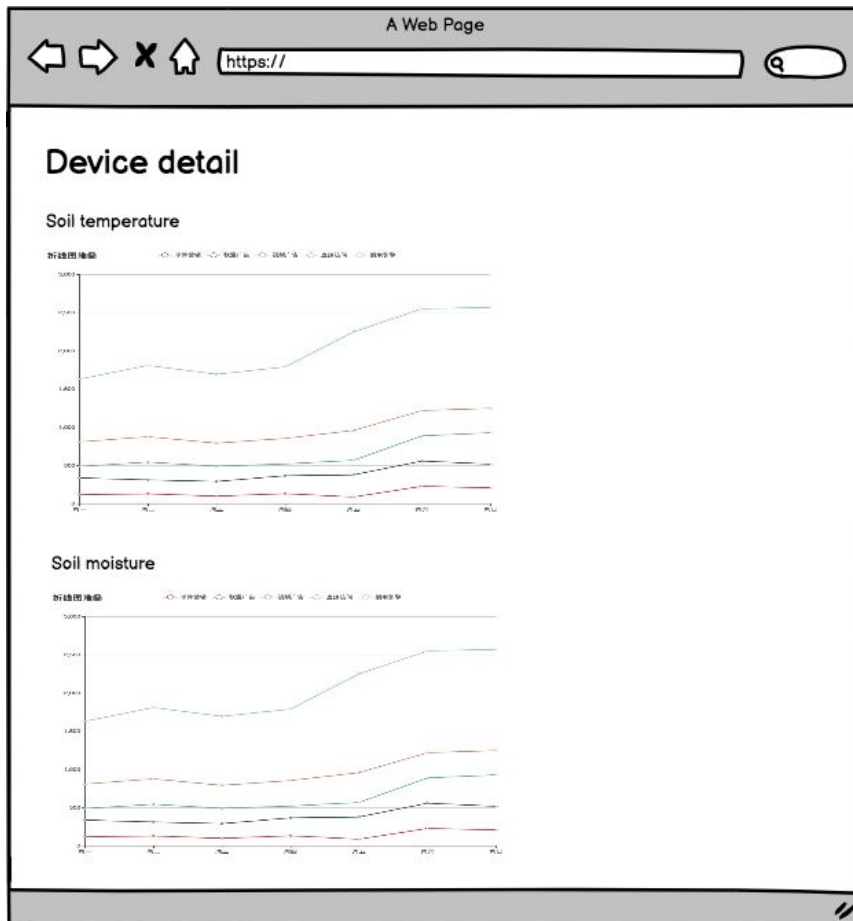
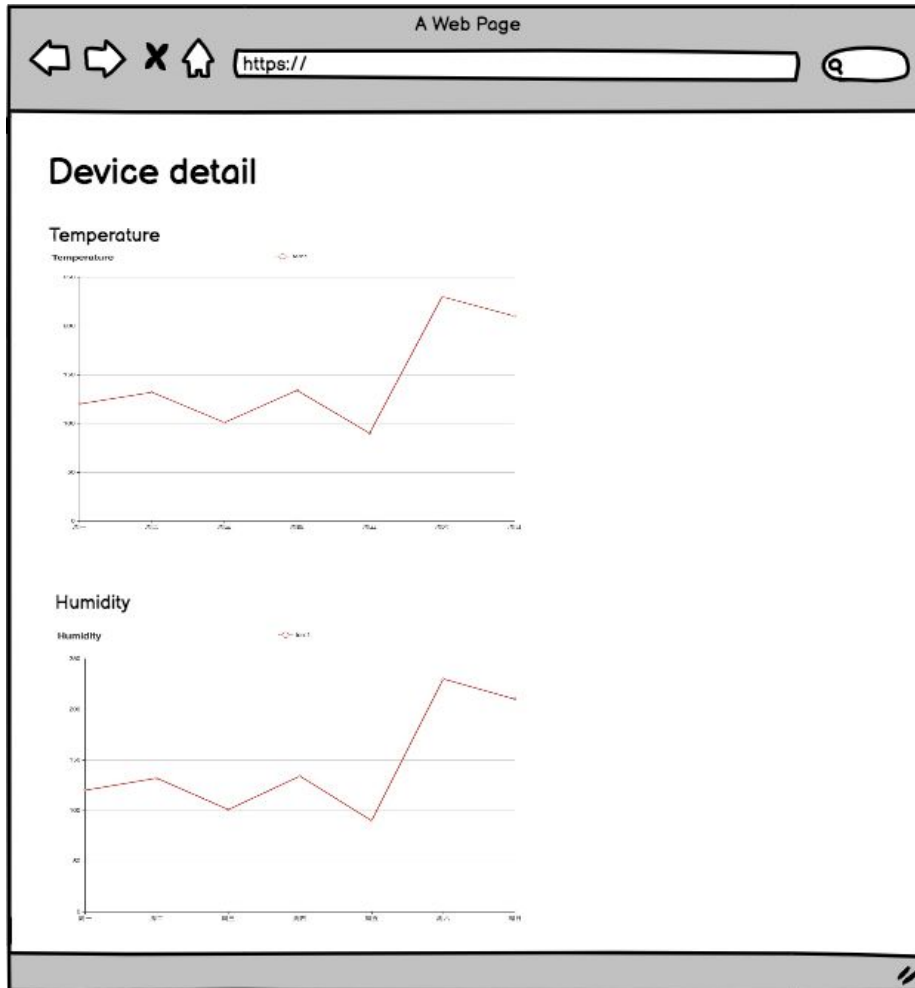| A Web Page					
Devices					
Name	ID	Created at	Updated at	status	actions
Giacom	1_5	12/01/2020	12/01/2020	true	view
Giacom	1_5	12/01/2020	12/01/2020	true	view

Device details

If you click in any device listed, it should show you the data of the device. Since we have to type devices (SM and BS), it has to dynamically show data depending on the deviceType.

Soil data details

In case, the device is a SM (type 5), you must group Soil moisture (smo1, smo2, smo3) values and Soil temperature (stm1, stm2, stm3) values in two different graphs.

In case, the device is a BS(type 1), you must show all values in a graph individually.

These are the links to extract the data

- API URL : https://challenge.agranimo.com/graphql

Our data is coming from individual devices (deviceId) and those devices are installed in specific parts of the field that we call zones. In order to query data, you might want to specify criteria options, like for instance, specifying device_id in the params payload.

GraphQL Schema

```
scalar Object

type Query {
  data(params: ResponseInput): Response!
  devices: Response!
}



type Response {
  error: Object
  message: String!
  nodes: Object
  success: Boolean!
}

input ResponseInput {
  device_id: String!
}
```

Deadline
Please upload your code to the Gitlab repository. The challenge is meant to be finished by Friday 18 10:00 hrs at the latest. Feel free to ask questions during the challenge - it will give us an indication of how you think and get a feeling for working together as a team.