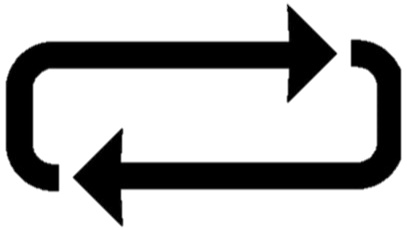
GCrobot side

readThinkness
(ROS node)

pub

sub

nodejs



- Create randomly fake values of thickness
- Update values every 5 seconds


```
{
  "positions": [
    {
      "name": "a",
      "thickness": 10.0
    },
    {
      "name": "b",
      "thickness": null
    },
    {
      "name": "c",
      "thickness": 12.5
    },
    {
      "name": "d",
      "thickness": null
    },
    {
      "name": "e",
      "thickness": 12.5
    },
    {
      "name": "f",
      "thickness": null
    },
    {
      "name": "g",
      "thickness": 12.5
    },
    {
      "name": "h",
      "thickness": null
    }
  ]
}
```

Request data using REST

Thickness from GCrobot

User clicks request

thickness								
positions	"a"	"b"	"c"	"d"	"e"	"f"	"g"	"h"
1	10.76	4.15	null	9.5	18.37	13.59	7.52	6.77
2	16.04	5.15	3.73	0.12	4.77	8.15	14.59	18.66

Sample interface Code (client side)

Description: The code can be opened in web browser or modified for the target website. It uses javascript for getting data from GCrobot side.

Source :
https://www.github.com/imamorn/gcrobotwebclient

Total 3 Files:
- template.css
- index.html
- getThickness.js

Thickness from GCrobot

request

thickness								
positions	null	null	null	null	null	null	null	null

Start page

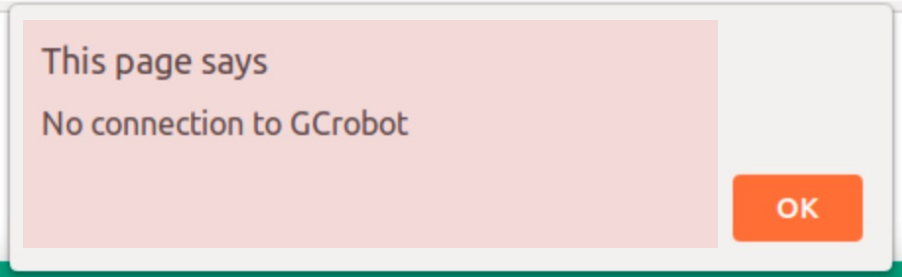
GCrobot server side is online.

Thickness from GCrobot

request

User clicks

GCrobot server side is not online.



thickness								
positions	null	null	null	null	null	null	null	null

thickness								
positions	"a"	"b"	"c"	"d"	"e"	"f"	"g"	"h"
1	10.76	4.15	null	9.5	18.37	13.59	7.52	6.77
2	16.04	5.15	3.73	0.12	4.77	8.15	14.59	18.66
3	11.27	null	5.98	5.87	7.07	15.15	1.62	2.2
4	16.8	1.65	17.45	9.7	16.59	1.5	8.24	0.32
5	7	7.32	2.15	9.04	1.17	10.06	13.5	6.85
6	11.17	11.03	null	7.47	12.3	12.8	6.71	3.43
7	17.75	11.96	11.73	13.4	3.47	12.43	16.77	10.13
8	0.66	12.97	14.92	10.7	11.91	8.26	4.75	12.76

Everytime click "request", latest data is updated

It shows alert message "No connection to GCrobot".