

Front End Assignment – Progress Bars

Primary task: Using React.js (**no jQuery**) implement the following (you can make it look however you like):

Example here

Endpoint here

Requirements

- Must read data from the endpoint.
- Multiple bars.
- One set of controls that can control each bar on the fly.
- Can't go under 0.
- Can go over 100%, but limit the bar itself and change its colour.
- Display usage amount as a percentage, centered on each bar.
- Write tests for your code (hint: TDD strongly preferred).
- Implement a responsive solution: testing it on mobile, tablet, etc. Getting it working nicely.
- Animate the bar change, make sure it works well when you tap buttons quickly.
- Version control.
- Setting it up as a project.
- Setting up some automated tools.
- Linting, code quality, etc.
- Comment code.

Deliverables

- Link to GitHub pages of the final product.
- Link to the source on GitHub.
- How long the exercise took.
- Rationale around tech choices.
- Next steps / features missing.

It's up to you to decide how far you want to go.

Example structure from the endpoint:

```
{
  "buttons": [
    // The amount of buttons to display and what value they increment or
    // decrement the selected bar. Randomly generates between 4 and 6 buttons.
```

```
    10,  
    38,  
    -13,  
    -18  
  ],  
  "bars": [  
    // The number of progress bars to display and their default values.  
    // Randomly generates between 2 and 5 progress bars.  
    62,  
    45,  
    62  
  ]  
}
```

Have fun!