

# React & NodeJS Exercise

Create the devices list with add / remove possibility

## Backend part

Server part to be implemented by nodeJs

Use a database or not - at your discretion.

Any framework can be used.

Application should give a REST or GraphQL response.

No Authentication needed, but could be scored as bonus.

*Backend part should be delivered as a Docker container.*

## Frontend part

A frontend application should be implemented as a React single-page application.

Feel free to use any frontend framework (bootstrap, material-ui, etc.)

Demonstrate ability to manage the global application state.

Common idea is to show a list of devices (phones, tablets, computers, etc).

Example of the item line:

1	Apple iPhone 11	12
---	-----------------	----

Click on item title opens a modal dialog to increase or decrease number of items.

×

22 **Apple iPhone 11 red** \$699 

8

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

add to cart

remove from cart

this items in cart: 1

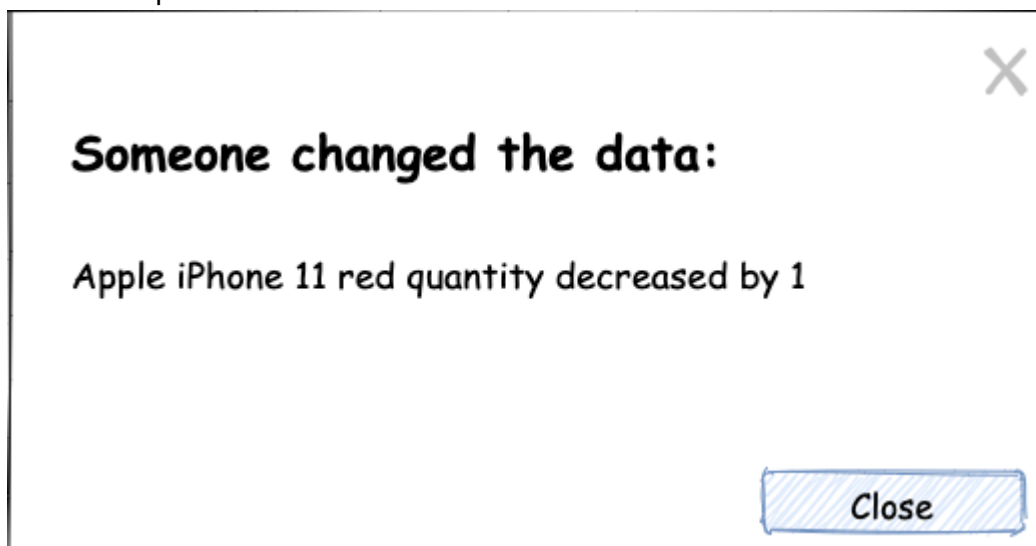
Close

Click on the 'add to cart' button should decrease quantity. Total number of items in the cart should be represented in the application header, for example:



Click on the 'remove from cart' button should increase quantity.  
The item quantity cannot be decreased if in stock left 0 items.

If this application opened in another window, after data changing, the second application instance should automatically open a modal window with a message about the changed data. Example:



Data in the header should be updated as well.

The modal window component should be reusable.  
Frontend application should be delivered as a Docker container.  
These applications should start with a minimal actions, means:

```
$ git clone https://some.github.bla-bla-bla/test-task-repo
$ cd test-task-repo
$ some-command-to-run
```