Unisport Sample Grid
Description

Overview:

This app starts by obtaining the JSON data from the https://www.unisport.dk/api/sample location and then renders a responsive grid of the data which is a collection of products or sale. The index.HTML file is otherwise empty apart from a boilerplate, header and a few buttons used for sorting.

The data displayed is the name, image, price, old price, delivery estimate and sizes available.

The sorting buttons allow for sorting based on current price, ascending or descending.

The app is using jQuery, but honestly writing it in regular javascript would not require a whole lot more effort. I would have liked to have done it in React, but as I have no actual experience with it, i opted for the quicker option.

Structure:

This is not a very big app, only slightly above 100 lines of javascript. There is no reason to attempt to make it loosely-coupled or design a complete pattern for something so small. But I have contained everything inside an IIFE and limited the number of global variables to 1 (being the JSON data). As such adding additional site features separate of the grid would be no problem.

The CSS grid is a very lightweight grid system based on the ResponsiveGridSystem.

Considerations:

- Retrieving the JSON could not be done using a regular XMLHttpRequest object due to Same-Origin Policy. There are apparently a few ways to circumvent this, such as using JSONP or CORS, of which i elected to use the CORS-anywhere proxy.

- As this is a grid of sale items, the CSS is purposefully kept somewhat low-key, using no other animations than simple transitions (for borders). The color template has been chosen to fit Unisports primary colors of green & white.

- The grid is by default responsive, but media queries have been added to fine-tune the CSS on phones and tablets.

- I have attempted to add comments in the app for easy comprehension.

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