

Technical exercise - Front end

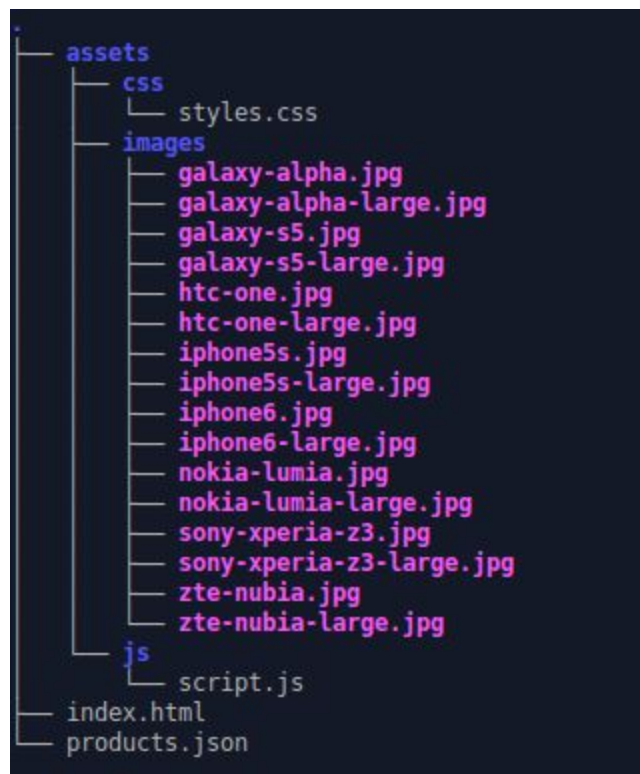
The context

You are asked to implement a few improvements and features to the Tempo Mobile Store website. The Tempo Mobile Store is a simple shopping site that will allow customers to browse through a certain number of phones and read some information about them.

The site

The site is a single page application that is not using any framework, but uses two libraries - jQuery for DOM manipulation and event handling, and [Handlebars](#) for templates.

Product data is fetched from a JSON file, and displays it by rendering a grid of products. After the initial load, the app stays on the same URL and listens for changes to the hash part with the hashchange event. To navigate around the app, we simply change the hash.



The project's structure

The task

First, download and unzip the [sources of the application](#).

Note: To run this app after downloading it, you need a locally running web server like Apache. Our demo uses AJAX so it will not work if you simply double-click index.html for security reasons. You can for instance use this simple [zero-config, command line http server](#). Install it globally with `npm install -g http-server`. Then run it from the root directory with `http-server`.

Then implement the following changes:

1. When checking some criteria in the left bar, non matching products are currently grayed out. Make them **invisible** instead.
 - a. Whenever no product matches selected criteria, display the message “Sorry, no product matches the selected criteria”.
2. Make the left bar containing the filter checkboxes **scroll with the content**.
3. Add a basic **shopping cart** model.
 - a. The cart info should still be available after closing all instances of the browser and reopening a new one.
 - b. Clicking the “Buy Now!” button should add the item to the cart.
 - c. The cart should keep track of the quantity of each phone type.
 - d. The total number of items in the cart should appear in the top bar on the right.
 - e. Clicking the number of items in the top bar should bring up the shopping cart page listing selected phones and the quantity for each of them.
 - f. Add unit tests to the shopping cart model using your favorite js unit test library.

Note: You should timebox your effort to about 2 hours. If you can't finish in time, don't worry. You'll have the opportunity to explain the choices you've made and discuss what you would have done if you had more time.