

Javascript Exercise

Madlan, July 2015

1. Introduction

This task is intended to test your ability and knowledge in basic client development in Javascript.

It is not supposed to be difficult or take too much time, and there is no need to hurry.

If anything is unclear, please ask.

2. General instructions

Please use this exercise to express your knowledge and habits of programming.

Specifically, it would be nice if you can make some use of

- JQuery
- Underscore (or Lodash or some other data-processing library)
- possibly also a UI framework that you like (Backbone, React, etc.)

Please also think, a bit, about your choices of visual design.

3. Details

The supplied JSON contains a list of books. Your task is to write a single-page web application to display these data.

3.1. Display the following details:

- total number of books
- average book rating
- 5 longest books (by number of pages)
- 5 newest books
- 5 largest publishers (by number of books), with the number of books each of them has

3.2. Display a list () of books.

For each book, display the following:

- title

- sub tyle
- thumbnail
- rating
- authors
- publishedDate

3.3. Add a control for sorting.

The control allows the user to choose how the list of books should be sorted. The user can choose any of the following possibilities:

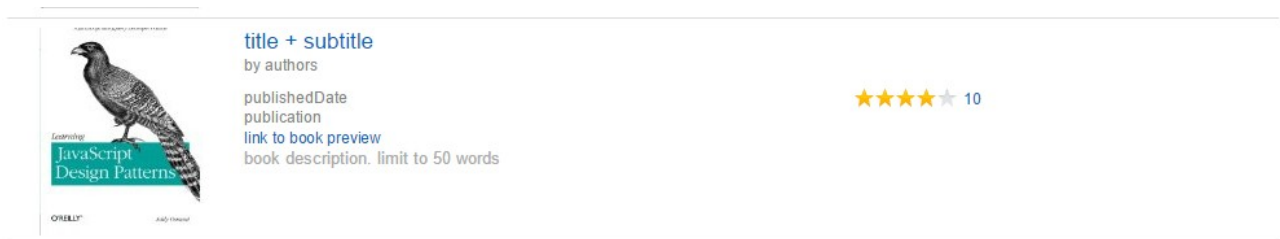
- sort by book name
- sort by authors
- sort by publishedDate
- sort by rating

3.4. The list should show the first 200 books.

(Note: Which are the first - this depend on sorting!)

3.5. Format the list display using css.

The list items should look similar to this example:



3.6. The preview link should open the preview page.

You can do it in any way you like (new window, modal, etc.).

3.7. Bonus

If you can, please do not use the supplied JSON, but rather get the data (or similar data) from the Google Books API: <https://developers.google.com/books/>. Please add a search box, to choose which kind of books to get from that API (e.g., books about "Javascript").

4. Thanks!