

Book filtering application

Description

You are given the books.csv file with some information about different books. The goal is to create an application that will

- allow a user to filter the table
- have an opportunity to find a book by its title
- help him find the most suitable book by his searching
- have an opportunity to add a book to the table
- have an opportunity to delete a book

This can be achieved by filtering the data with different criterions which are given (columns).

The Dataset

The dataset and the description can be found here: [books.csv](#)

The dataset provides 25 books containing:

- the title of a book,
- authors
- genre
- average rating
- publishment year
- the number of pages
- a brief description of a book
- original language of a book

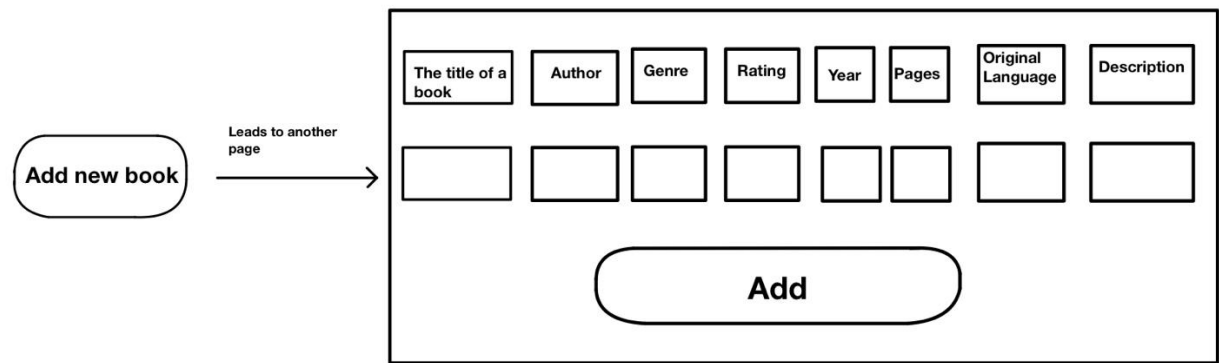
The dataset is provided as CSV.

Recommended instruction of creating the application (1st page):

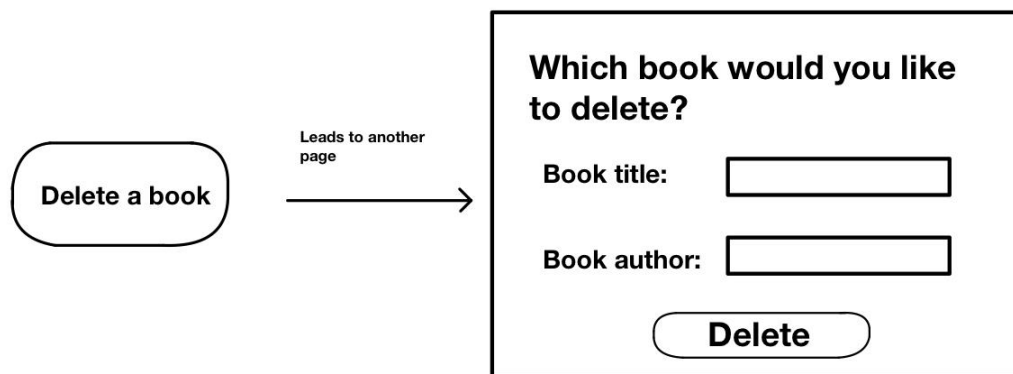
The first page of an application must show the whole table from the dataset with all the information to the user and he must have the opportunity to filter it by:

- the title of a book (in the alphabetic order and vice versa)
- authors (in the alphabetic order and vice versa)
- the rating (in ascending and descending order)
- publishment year (in ascending and descending order)
- the number of pages (in ascending and descending order)

Then there must be a button **“Add new book”**, which will let the user include all the information.



“Delete a book”



And a button **“Find a book by its title”**.

Recommended instruction of creating the application:

1. The user must enter search engine one by one the author he prefers, the genre, the number of pages which he considers acceptable for him, publishment year and original language of a book. The order of searching doesn't matter, you may choose it yourself.
2. If a user didn't enter the information of a specific criterion, it would be ignored, and the book would be found without it.
3. Then the user will get the book which is found for him considering his preferences and the rating of a book (the one with the highest rating is selected). But if there are several books that suit his interests, they should all be shown.
4. The book is being presented to the user with the brief description in order to get acquainted.

Find a book by preferences

Leads to another page

Where is my book?

The title of a book

Author

Genre

Average Rating

Year

Pages

Original Language

Description

Find

— In these boxes there should be the opportunity to type the answer

If there is one book:

Here is your book!

“Book title”

“Book author”

“Book description”

If there are several books (the main one is with the highest rating. If books have the same rating, the main one is selected in the alphabetic order):

Here is your book!

“Book title”

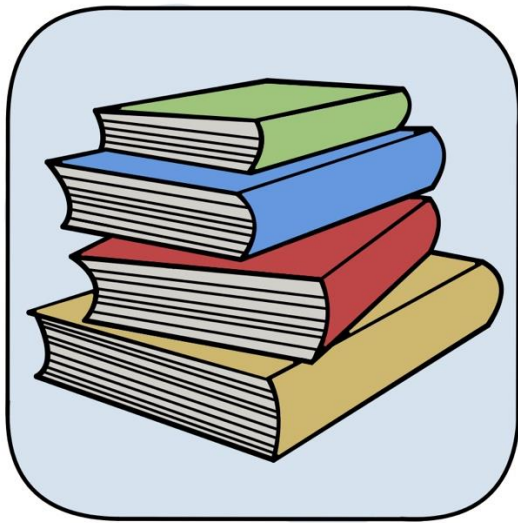
“Book author”

“Book description”

In fact, there are several books which might interest you! Here is the list:

1. “Book title” by “book author”.
“Description”
2. ...

Also, the **logo** of the application should be this one:



All the UI are recommended; however, you are free to come up with your own ideas. That's all, good luck!