

Online Bookshop

Subject area: The application allows users to purchase books from a bookshop online. A user can search for books, add them to a cart, and make an online order.

Source: <https://www.kaggle.com/datasets/bilalyussef/google-books-dataset>

(You should download google_books_1299.csv)

Data model:

Field name	Data type	Restrictions	Notes
Title	string	none	The name of the book
Author	string	none	The name of the author(s)
Rating	floating point number	0 to 5	The average rating of a book
Voters	integer	≥ 0	The number of voters
Price	floating point number	≥ 0	Price of the book in the bookstore
Currency	string	SAR/Free	The currency of the price
Description	string	none	Brief introductory description of the book
Publisher	string	none	The name of the publisher
Page count	integer	> 0	Number of pages of the books
Genres	string	none	Genre(s) of the book
ISBN	string	≤ 15 characters	The unique identifier for each book
Language	string	≤ 60 characters	The language of the book
Published date	string	format: month(3 letters) date, year	When the book was published

Features:

- All mandatory features
- Add a search bar that allows users to search for books based on their title/author
- Implement filtering to show books based on specific criteria, such as price, user rating
- Add a button to show full info about a specific book in a separate window
- Add a cart. Items can be added to it; their price, quantity must be shown; quantity of an item in the cart can be changed by the user

- Implement a feature that shows the total number and cost of books in the cart and updates it automatically as new books are added or removed.
- Add ability to enter user data for checkout and a pay button, after which it is assumed that the order is created(everything in cart is discarded)

Sketch (you aren't obliged to follow it, it's just for clarity):

