

BOOK SHELF

EXECUTIVE SUMMARY:

Books are the storehouse of knowledge and information. They state personality of a person. It is necessary to arrange them according to one's need. Generally, when books are not arranged in the shelves then it becomes a hurdle to search for book that is required.

Having a books shelf that can be sorted agreeing to user's conditions saves time. Bookshelves are easy to access and can fetch a book in no time. You can arrange your collection in the racks according to your needs and, it will be easy for you to find a desired edition anytime.

This documentation describes the Book Shelf project outline. The shelf contains books sorted with 4 to 6 bunches of books for each year from 1996 to 2020. Number of pages and rating of book are the factors effecting the width and height. The layout of book shelf is based on year of publishment, genre, whether translated or not, popularity of the book. It also includes constraints regarding author's information like the age, gender and even size, dimensions of book. All these are the sorting adjustments one can apply to the book shelf. At a time, maximum of 2 conditions can be used to arrange the book shelf.

We use different colors to draw the user's attention to a symbolic object, communicate something about a character, or emphasize a theme. Eventually, Best seller books are given a star mark and paraphrased books with a triangle symbol on the left edge. Specifically, red color for fictional books on the other hand green for non-fictional books. The gender of author is recognized using the lines on books, diagonal for female authors whereas plain for male. These color codes, symbols are mainly used to systematize the order of books.

The project Book Shelf is to create a ReactJS app using JavaScript. We are required with a Books API key for information regarding books. React Strap and Bootstrap 5 are used to create UI component.

PROJECT SCOPE:

We see the book shelf must be organized to choose his/her genre books. So, the project Book shelf provides the user with the facility to customize their book shelf, according to their needs.

The shelf contains books from 1996 to 2020 sorted with 4 to 6 bunches of books for each year. Books in the shelf are displayed with different widths and heights based on size and rating of it.

The identification sign makes it effortless to pick a book. Here, we used symbols, color code to differentiate them. Best seller books are given a star. The translated books are provided with a triangle symbol on the left edge. Red color for fictional books on the other hand green for non-fictional books. The gender of author is recognized using the lines on books, diagonal for female authors whereas plain for male.

The arrangement of book shelf is done using various factors like year of publishment, genre, whether paraphrased or not, popularity of the respective books. It also include constraints regarding author's information like the age, gender and even size, dimensions of book. At a time maximum of 2 conditions can be used to arrange the book shelf.

The cover page of each book is shown on clicking the book. Along with this, year of publishment, size i.e. number of pages, book rating provided in points, Author's details like name, date of birth etc.

PROJECT OBJECTIVE:

If one wants to find a book from a clustered shelf, it will be a tremendous task. It leads to time consuming and ultimately lose interest in the book. To make it trouble-free, sorting a book shelf is required.

The bookshelf comes in wide range of designs, customizability. So you can choose any piece that fits perfectly that define your style. Arranging the book shelf make it easy to access, thus making it easy for you to find the particular edition anytime and saves time.

REQUIREMENTS:

For creating this project, we are required with a Books API key. Node js to run the JavaScript outside of the browser. User Interface is built using the React Strap and Bootstrap 5.

