Book Marker: Project Manual

ID✖	Author✍	Created⏳	Title🟥	Published🌐	Review📝	Genre☐	Rating⭐	Username™
1	Stephen Kings	Mon Jan 14 2019	Carrie	1974	Good horror story. R.I.P Carrie :(	Horror	5	RoyalReader1
2	H.P. Lovecraft	Tue Jan 15 2019	The Call of Cthulu	1926	Very Scary! I enjoyed the cosmic horror story.	Horror	5	RoyalReader1
3	Veronica Roth	Sun Aug 02 2020	Divergent	2011	Good dystopian novel. I fell in love with the main character.	Sci-fi	5	RoyalReader1
4	Tappei Nagatsuki	Sun Aug 02 2020	Re Zero: Starting Life in Another World	2016	Very interesting story. I loved the fantasy elements.	Fantasy	4	Ichiro

Welcome to Book Marker. It's a web application that allows users to store and save their book elements and then write a review and Rating (1 out of 5 stars) in order to have them stored in the mongo database "project". This project consists of a form with a database that holds eight different pieces of data that I will explore later.

Getting Started

To get started with the project is very simple. First you download the zip filed cop2836 and after downloading it, you unzip or extract it. After this you will open the file in the command prompt and run the command "npm install" which will install the npm required to make the program fun. Afterwards you will run "npm start" which will start the program on the localhost:3000 database. Then in your browser go to the link: http://localhost:3000/ and the program should appear like the screenshot above, which is the main page to this program.

Book Marker Table

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The main table for book marker consists of Nine different rows of information. Since the ID is an autoincremented one, it isn't included in the form, now I'll go into detail about each piece of element and what they represent.

ID

ID ✖
1
2
3
4

The ID is a very simple element that the user won't even have to interact with. The ID is simple a piece of identification, a unique auto-incremented identification for each review. Since this site can store hundreds or thousands of different reviews for the same stories it might be hard to differentiate between them but with a unique identification number this will allow user to differentiate between different books and choose which reviews they might want to read or simply to find a particular review they are looking for. This can be done by knowing the identification number and simply pressing the ctrl button with the F and searching for this number.

Author

Author 🔺
Stephen Kings
H.P. Lovecraft
Veronica Roth
Tappei Nagatsuki

Write the Author for the Story
Author

Since the main point of this site is a review and book marker. The author isn't a required field but is an important piece of evidence that the user might want to share. The author is meant to store the author for the books the user might be reviewing. The user can choose whether to insert it on not. The author, since a author can write many different types of books doesn't have to be unique, which is what makes the ID auto-incremented value so important.

Created

Created
Mon Jan 14 2019
Tue Jan 15 2019
Sun Aug 02 2020
Sun Aug 02 2020

The created row on the table, like the ID number is another unique form that the user doesn't have to insert. The Created Row is autoincremented and simply stores when the user made a review with the data and time. This can be used to log different reviews but also in case the user wants to know when they made a review.

Title

Title
Carrie
The Call of Cthulu
Divergent
Re Zero: Starting Life in Another World

Write the Title of the Book
`Title`

```
if (issue.title.length < 3) {
  errors.push('Field "title" must be at least 3 characters long.');
}
```

This is where things get interesting. Unlike the Author, the Title is also a String but instead is a required piece of data that the user must include in order to submit their review. This was accomplished in the **schema.graphql** file where we added the required exclamation point in order to make the user submit the form. However, the title also has another special requirement to it. In the **server.js** file, we added another special rule to the title, it must be at least 3 characters long in order to be accepted as a Title. This means that titles that don't reach this length won't be accepted. This also means that the user will have to add more characters to their titles and be asked to change it for the field to be accepted.

Published

Published
1974
1926
2011
2016

When was this book published?
Published

The published field like the author is not a required field for the book marker to fulfill its primary function. The published field is meant to provide the year when the book was written in case the user would like to provide another piece of identifying information. I considered adding a requirement to this field that would limit it to 4 integers, but I chose not to in case the user wanted to review old books such as, The Republic. Unlike the title and the author fields, the published field is used for integers therefore it uses only numbers and not strings.

Review

Review The Book

Review 📝

Good horror story. R.I.P Carrie :(

Very Scary! I enjoyed the cosmic horror story.

Good dystopian novel. I fell in love with the main character.

Very interesting story. I loved the fantasy elements.

```
if (issue.review.length < 5) {
  errors.push('Field "review" must be at least 5 characters long.');
}
if (issue.review.length > 250) {
  errors.push('Field "review" cannot be longer than 250 characters long');
}
```

The review field is used for users to review the story. The review form is meant to accept a string or set of strings however we also provided a requirement for the review field. The review function cannot be shorter than 5 characters but also can't be longer than 250 characters. This is like how popular social media sites such as Instagram or Twitter have requirements for how long their posts can be. The review field is the primary function of this web application so like the Title it is a required field as a result.

Genre

Action

Adventure

Comedy

Contemporary

Comedy

Drama

Fantasy

Historical

Horror

Genre

Mystery

Psychological

Horror

Romance

Horror

Satire

Sci-fi

Sci-Fi

Short Story

Select a Genre For the Story

Tragedy

Tragedy

Fantasy

The genre is a unique field, as it is a string just like the title and the author however unlike those fields where the user inserts their own unique field, this one gives the user a list of 15 options and the user will select their own genre. This is a very limited list as you can only select one of the 15 options for the genre and not input your own. This field also highlights something I wanted to implement but also didn't have time to. I wanted to implement a search by genre function but didn't have the time to. User would select a genre and it would show only the ones with those genres.

Rating

Rate the Story from 1 to 5 Stars

Rating ☆
5
5
5
4

```
if (issue.rating.length < 1) {
    errors.push('The lowest "rating" can only be 1 Star.');
}
if (issue.rating.length > 5) {
    errors.push('The highest "rating" can only be 5 Stars.');
}
```

The rating field accepts an int field. The rating is supposed to represent 1 through 5 stars with 1 being the lowest Rating and meaning you disliked the story meanwhile 5 represents the highest Rating and means you liked the story or thought it was excellent. The Rating is a required field similar to the title, and I added a unique standard to it, where it can't be higher than 5 or lower than 1, restraining the user into only being able to insert 1 through 5-star ratings.

Username

Username ™
RoyalReader1
RoyalReader1
RoyalReader1
Ichiro
NiqNiq97

Write Your Username for the Review

The final field that is also optional. User will insert a username or penname that the reviewer would like to be called. It's simple, the user can insert their real name or a pen name, similar to social media personalities or sites like fanfiction.net. After inserting all the fields, we will move on to the final thing, the button.

Submitting the Review

After filling out all the required fields and choosing which options the user wants to fill out, you will press the "Add" button.

You have successfully added the review to the table!

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5	Leigh Bardugo	Sun Aug 02 2020	Six of Crows	2015	Good book. Great multiple point of views.	Fantasy	5	NiqNiq97
6	Reki Kawahara	Sun Aug 02 2020	Sword Art Online Volume 1	2009	Very interesting story. A story about 10,000 people trapped in a fantasy mmorpg video game. The main character was very interesting and I loved to see where the story goes from here.	Sci-fi	5	KiritoFan1

What I missed

There were two things I wished to add to this web application. The first would be a search genre function, since I limited it to only 15 genres, it would've been nice to add a function that would store and save then allow the user to search through the genres individually. So, you could see only "action" books. The second would be a login/register function. I made one for a previous project with PHP however I didn't have the time to make one for this project, instead I created the username field so users could insert their own unique username however without a actual login/logout function that is password protected there's no way to control who can submit their username.