HOME PAGE

ALL BOOKS

Title	Authors	ISBN	Published	Rating	Categories	
Pavol's Book	Pavol <u>View</u>	12345	June 2019	5 Stars	Educational <u>View</u> Computer <u>View</u>	<u>View Book</u>
Other Book	Author1 <u>View</u> Author2 <u>View</u> Author3 <u>View</u>	67890	April 2019	No Rating	Horror <u>View</u> Sci-Fi <u>View</u> Action <u>View</u>	<u>View Book</u>

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Title:	Comes from GetBooks / GetBookById	
Authors:	Comes from GetAuthorsOfABook	VIEW: goes to Author's Detail Page – GetAuthorById Action
ISBN:	Comes from GetBooks / GetBookById	
Published:	Comes from GetBooks / GetBookById	
Rating:	Comes from GetBookRating	
Categories:	Comes from GetAllCategoriesOfABook	VIEW: goes to Category's Detail Page – GetCategoryById Action
		<u>VIEW BOOK</u>: goes to Book's Detail Page – GetBookById Action

COMMON ELEMENTS USED ON ALL PAGES:

Navbar: Each link goes to Create page for the entity
Footer: Each link goes to Index page for the entity (displays list of all entities, i.e. list of all authors, list of all countries etc.).
NOTE: HOME goes to home page, which is Index view for Books

Index Views (from footer)

Authors Index View

List of All Authors
Author 1 | Details | Delete Author
Author2 | Details | Delete Author
Author3 | Details | Delete Author
Author4 | Details | Delete Author
Author5 | Details | Delete Author

Index views for Countries, Categories, Reviewers, Reviews follow the same structure
Details: Goes to Author's Details Page – GetAuthorById Action
Delete Author: Goes to Delete Author Page – DeleteAuthor Action
NOTES: The Delete link does not perform the DELETE action. It will go to a Delete Page that shows details for the entity and allows user to confirm the deletion there.

Create and Update Entities Pages

Add New Book / Update Book:
Title: (text box)
ISBN: (text box)
Date Published: (text box)
Authors: (populated list with all available authors to choose from)
Categories: (populated list with all available categories to choose from)
                            (BUTTON)

NOTE: In order to create a book, we need to choose authors and categories for that book. Each book can have multiple authors and multiple categories, therefore we need to be able to select multiple items from the lists.
Create Button – triggers CreateBook or UpdateBook Action

Add New Author / Update Author:
First Name: (text box)
Last Name: (text box)
Country: (populated list with all available countries to choose from)
                            (BUTTON)

NOTE: In order to create an author, we need to choose a country the author is from. Each author can belong to only one country, so we can use a simple drop-down list with all the countries
Button – triggers CreateAuthor or UpdateAuthor Action

Add New and Update Reviewer/Country/Category:

Property:	(text box)
	(BUTTON)

Reviewer, Country, and Category can be easily created by user entering the information into text boxes.
Button – triggers Create Or Update Action
Special considerations: We need to check for duplicate Country and Category. Duplicates are not allowed. Reviewer names can be duplicate

Add New and Update Review:

Headline:	(text box)
Rating	(text box)
Review Text	(text area)
Reviewer Name	(populated list with all available reviewers to choose from)
	(BUTTON)

CREATING ENTITIES:
All Create Pages display empty form elements. User will enter the desired information and clicks Create button. This triggers a Create action that saves the new record in the database via API calls.

SPECIAL CONSIDERATIONS / API RESTRICTIONS:
When creating a book, the user is not allowed to use ISBN that already belongs to another book.
When creating a category, user is not allowed to use already existing category
When creating country, user is not allowed to use already existing country

NOTES:
Reviews will NOT be created directly (from a direct navigation link). Each book detail page will have "WRITE A REVIEW" button.
Create Actions and Views will have format Create{Entity}

UPDATING ENTITIES:
Update Pages looks the same as Create Pages. All form elements are populated with current details for the entity. User can change all properties. Then clicks Update button and Update action is triggered that saves the updated record in the Database.

SPECIAL CONSIDERATIONS / API RESTRICTIONS:
User is not allowed to update book record's ISBN to an ISBN that already belongs to another book.
Duplication of countries and categories cannot happen as these entities are not directly entered by the user but instead are selected from a drop down.

NOTES:
Book Update page will display all authors and categories in lists, with current authors and categories for the book SELECTED inside the list. User can then unselect / select any other available authors and categories.
Author Update page will allow user to choose a different country the author belongs to. All countries will be available in a drop-down list, with the current country SELECTED inside the drop-down.
Update Actions and Views will have format Update{Entity}

DELETING ENTITITES:
When user clicks delete link, a Delete View is displayed. We display few details about the entity the user wants to delete (for example we show the names for the author, or name of the country etc.
We display a message asking user to confirm deletion. Once the Delete button is clicked, the deletion is performed.

SPECIAL CONSIDERATIONS:
Country – cannot be deleted if any author belongs to the country
Category: Cannot be deleted if any book belongs to that category
Author – cannot be deleted if any author has any books
Review – can be deleted with no restrictions
Reviewer – can be deleted with no restrictions. All reviews for the reviewer will be deleted, too.
Book – can be deleted with no restrictions. All reviews for the book will be deleted, too.

NOTE: Delete Actions and Views will have format Delete{Entity}

DETAILS PAGES:
Each entity will have its own details page where we display all property for the entity, as well as related records.

NOTE: Details Actions and Views will have format Get{Entity}ById

Book Details Page:
Display title, ISBN, Date Published.
Display all Authors who wrote the book
Display all Categories the book belongs too
Display all reviews for the book, along with the reviewer for each review

Author Details Page:
Display First and Last Name
Display Country Author is from
Display all Books the author wrote, along with Categories each book belongs to

Country Details Page:
Display Country Name
Display all authors from that country

Category Details Page:
Display Category Name
Display all books that belong to that category

Reviewer Details Page:
Display First and Last Name
Display all reviews the reviewer wrote, along with what book each review is for

Review Details Page:
Display Headline, Rating, Review Text
Display Reviewer's name
Display what book the review is for

SCREENSHOTS FROM FINISHED WEBSITE

Index Page:

Book Details Page (GetBookById

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Create/Update Book View

Update Book

Title:

Pavols Best Book

Isbn:

12345

Date Published:

02/02/2019 12:00 AM

Authors:

Pavol Almasi
Alexander Dumas
Jack London
Karl May
Anita Powers

Categories:

Action
Adventure
Computer Programming
Educational
History
Romance
Western

Update Book

Cancel

Author Detail Page

Author Details

Author Name: Alexander Dumas

Author's Country: France | Country Details

Update Author   **Delete Author**

Title: Three Musketeers Book Details

Category: History Category Details   Adventure Category Details

Create/Update Author

Update author

Author's Country   France ▼
First Name   Alexander
Last Name   Dumas

Update Author

Cancel

Category Detail Page

Category Details

Category Name: Romance

Update Category **Delete Category**

Title: Big Romantic Book Book Details

Create Review Page

Add new review for Big Romantic Book

Reviewer Name   Select Reviewer ▼
Review Headline
Review Rating
Review:

Create Review