#### **HOME PAGE**

# (navbar) HOME | Add Book | Add Author | Add Country | Add Category | Add Reviewer

#### **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>	View Book
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>	View Book
	(footer) Home	<u>Authors</u>   <u>Cou</u>	ntries   Reviewe	ers   <u>Reviews</u>		

\*

Title: Comes from GetBooks / GetBookById

Authors: Comes from GetAuthorsOfABook VIEW: goes to Author's Detail Page – GetAuthorByld Action

ISBN: Comes from GetBooks / GetBookByld Published: Comes from GetBooks / GetBookByld

Rating: Comes from GetBookRating

Categories: Comes from GetAllCategoriesOfABook VIEW: goes to Category's Detail Page – GetCategoryById Action

VIEW BOOK: goes to Book's Detail Page – GetBookByld 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 – GetAuthorByld 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:

All Books						
Title	Authors	ISBN	Published	Rating	Categories	
Big Romantic Book	Anita Powers View	1234567	Mar 1879	3 Stars	Romance View	View Book
Pavols Best Book	Pavol Almasi View	12345	Feb 2019	5 Stars	Educational View Computer Programming View	View Book
The Call Of The Wild	Jack London View	123	Jan 1903	3 Stars	Action View	View Book
Three Musketeers	Alexander Dumas View	123456	Feb 2019	No Rating Yet	History View Adventure View	View Book
Winnetou	Karl May View	1234	Oct 1878	4 Stars	Western View	View Book

# Book Details Page (GetBookByld

Home Add Book Add Author Add Country Add Category Add Reviewer

# **Book Details**

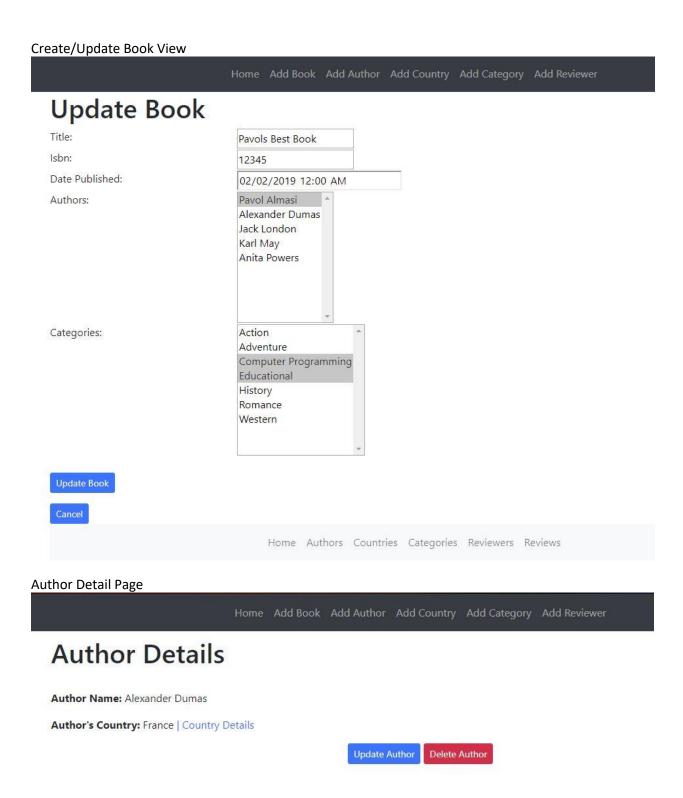
Title:	Pavols Best Book
ISBN:	12345
Date Published:	Feb 2019
Rating:	5 Stars
Authors:	Pavol Almasi View Details
	Country: Slovakia View Details
Categories:	Educational View Details
	Computer Programming View Details

**Headline:** Awesome Programming Book View Details

Reviewer: Pavol2 Almasi2 View Details

Rating: 5

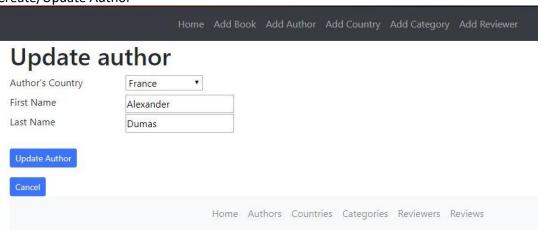
Review Text: Reviewing Pavols Best Book and it is awesome beyond words



Title: Three Musketeers Book Details

Category: History Category Details Adventure Category Details

# Create/Update Author



# Category Detail Page

**Category Details** 

Category Name: Romance Update Category

Title: Big Romantic Book Book Details

Home Authors Countries Categories Reviewers Reviews

Home Authors Countries Categories Reviewers Reviews

