Book Manager Web Application

Create a web application using the MVC pattern in .NET Core that allows users to manage a list of books and authors.

Requirements:

1. The application should have a home page that displays a list of all the books in the database.
2. The home page should have links to add a new book and view details for each book.
3. The add book page should allow users to enter information about the book, including the book title, author name, publication date, and a brief description.
4. The add book page should also allow users to select an existing author or add a new author for the book.
5. The view details page for a book should display all the information about the book, including the author name and details.
6. The application should have a separate page to manage authors, allowing users to view, add, edit, and delete authors.
7. The author management page should display a list of all the authors in the database.
8. The author management page should have links to add a new author and view details for each author.
9. The add author page should allow users to enter information about the author, including the author's name, date of birth, and a brief biography.
10. The view details page for an author should display all the information about the author, including a list of all the books the author has written.
11. The application should use Data Annotations to validate user input on both the book and author forms.

* Techniques to Practice:
* Creating and using model classes in .NET Core.
* Creating and using controllers to handle HTTP requests and responses.
* Creating and using views to display dynamic HTML.
* Creating HTML forms and handling user input.
* Using Entity Framework Core for data access and performing CRUD operations on the database.
* Using Data Annotations to validate user input.
* Routing requests to the appropriate controller actions.
* Creating and using partial views for reusable code.
* Using Razor syntax to display data from the model in the view.
* Implementing cascading deletes to remove books when an author is deleted.

Good luck with your exercise!