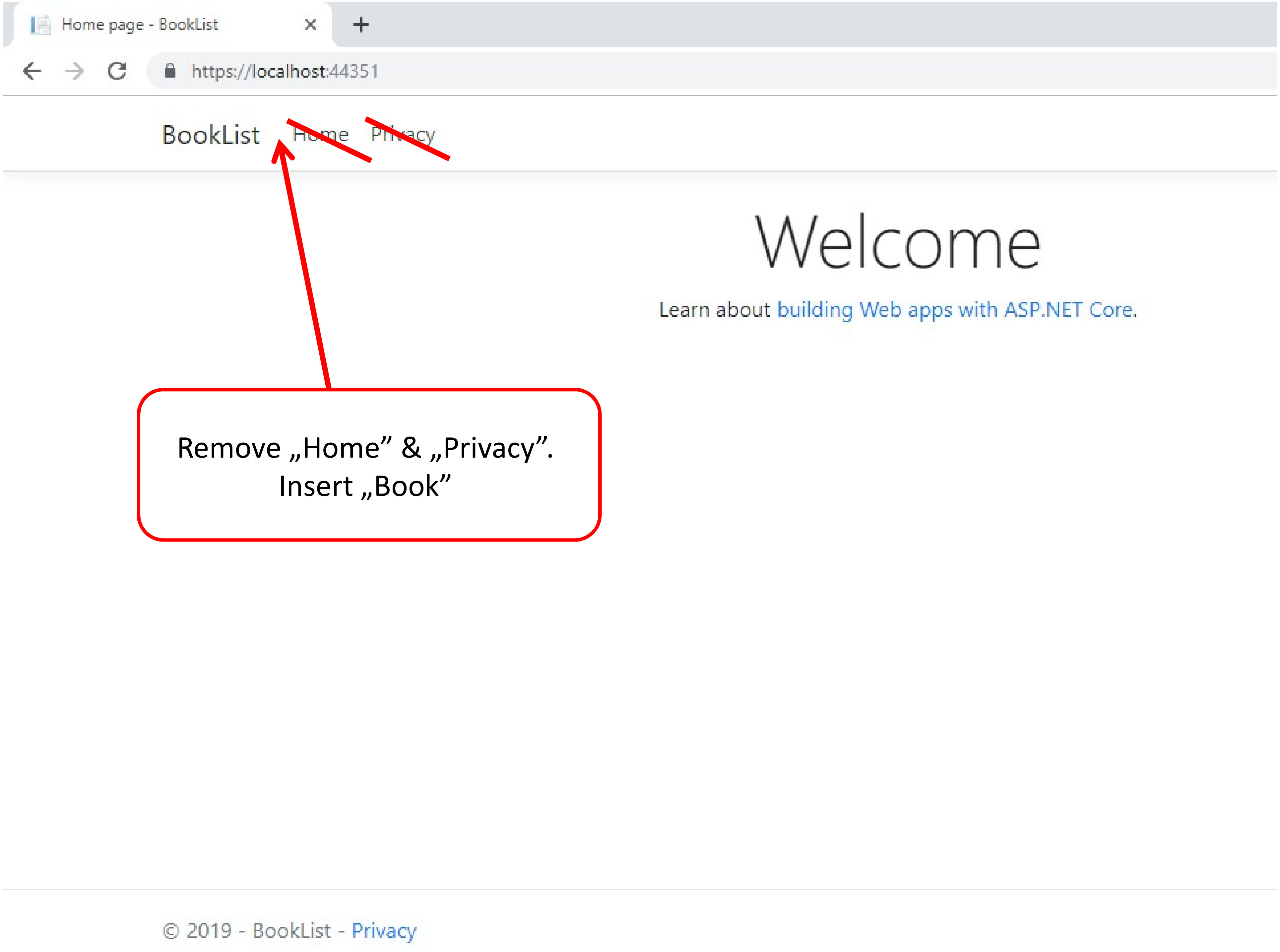
Creating index page

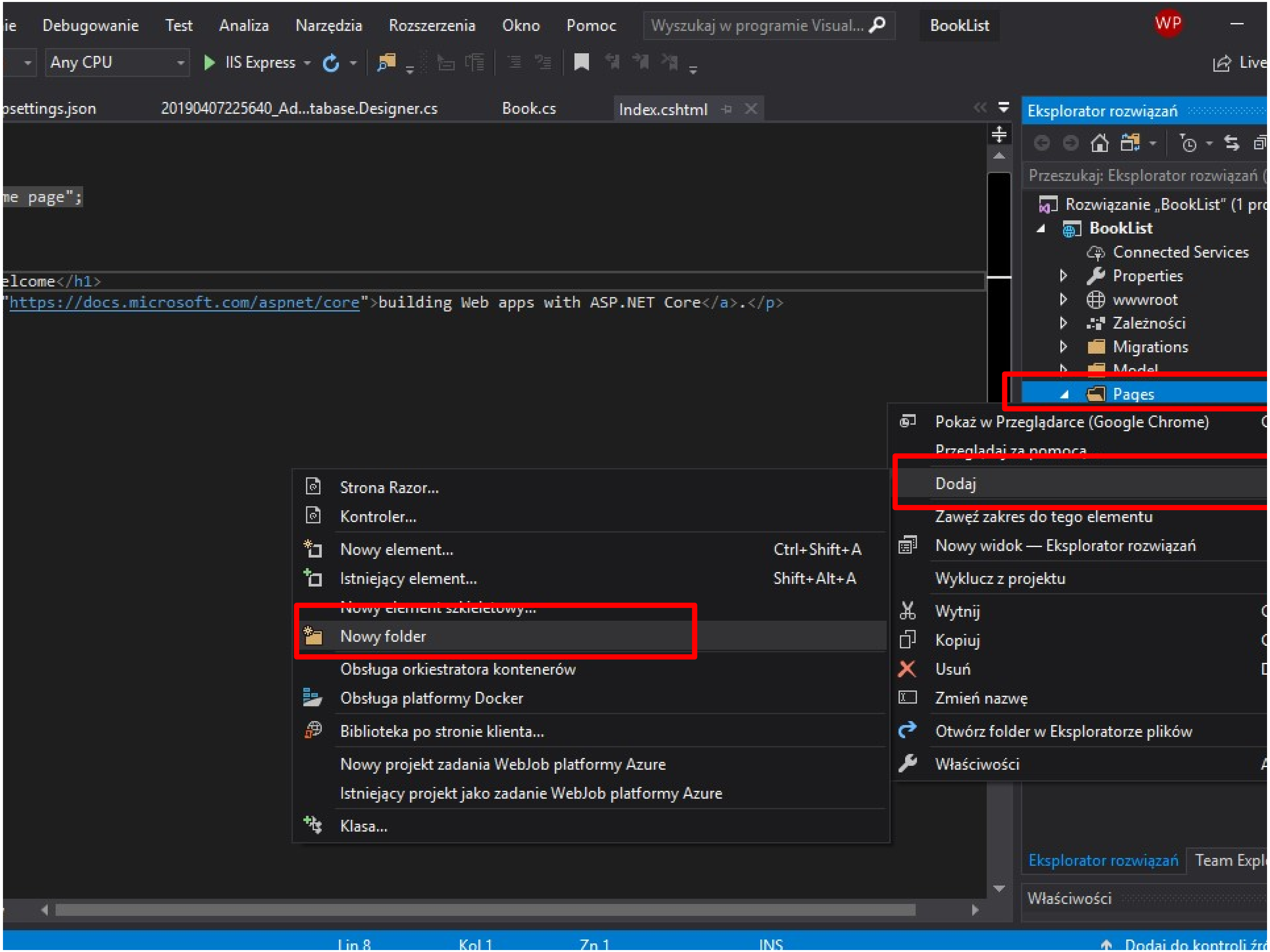


Welcome

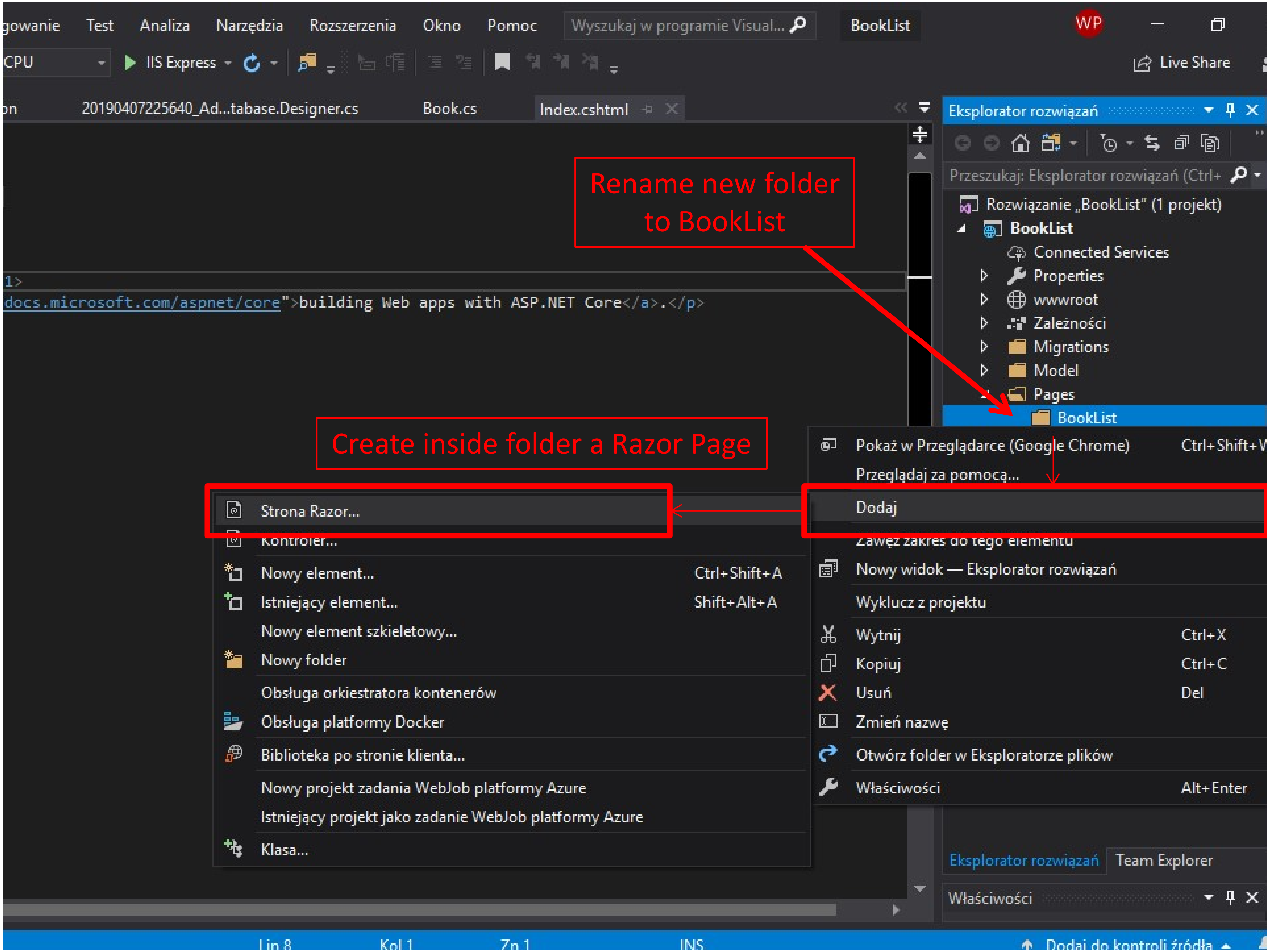
Learn about building Web apps with ASP.NET Core.

© 2019 - BookList - Privacy

Remove „Home” & „Privacy”.
Insert „Book”



```
me page";

elcome</h1>
"https://docs.microsoft.com/aspnet/core">building Web apps with ASP.NET Core</a>.</p>
```

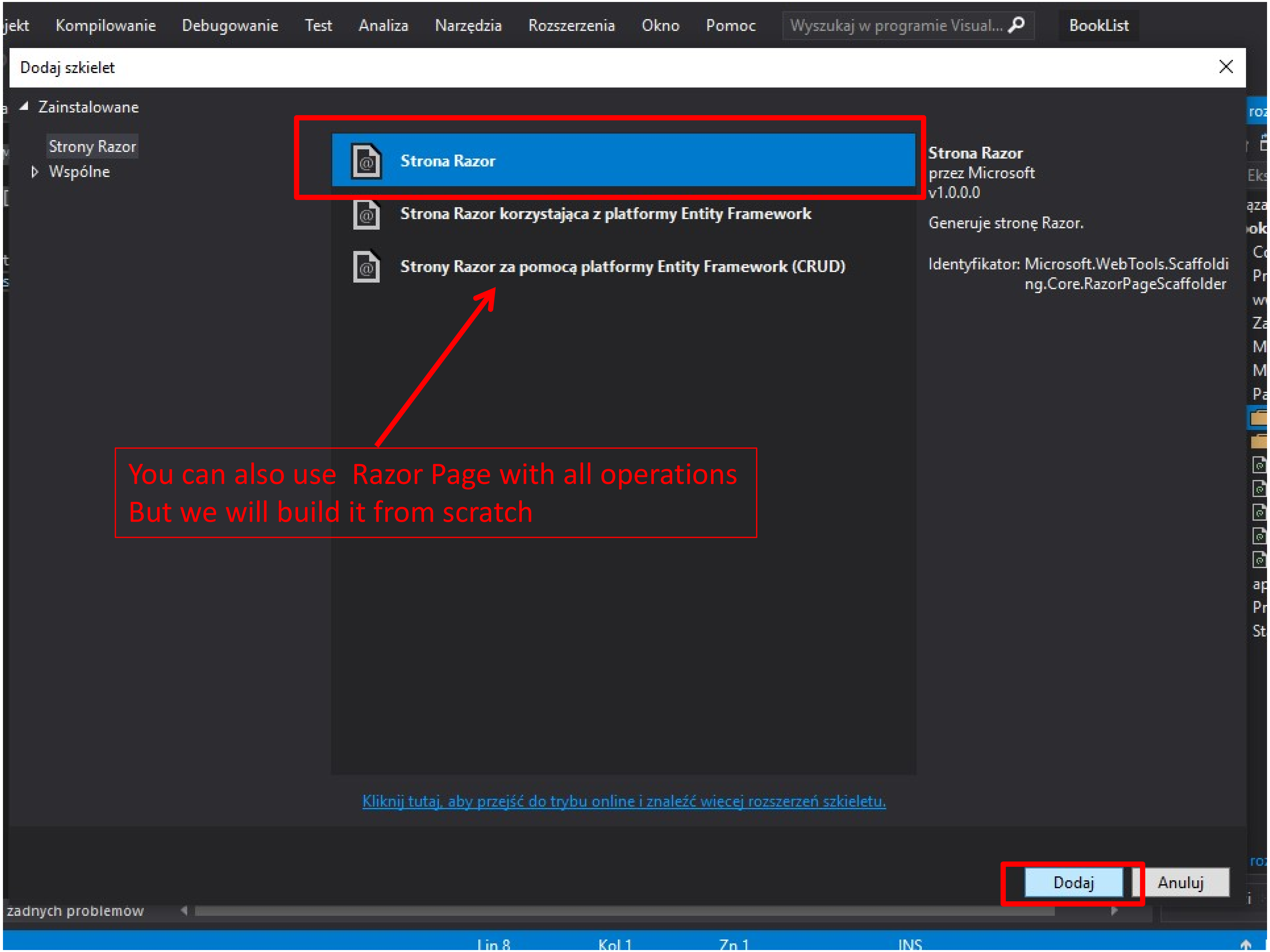


Rename new folder to BookList

Create inside folder a Razor Page

```
1>
docs.microsoft.com/aspnet/core">building Web apps with ASP.NET Core</a>.</p>
```

gowanie
Test
Analiza
Narzędzia
Rozszerzenia
Okno
Pomoc
Wyszukaj w programie Visual...
BookList
WP
CPU
IIS Express
Live Share
on
20190407225640_Ad...tabase.Designer.cs
Book.cs
Index.cshtml
Eksplorator rozwiązań
Przeszukaj: Eksplorator rozwiązań (Ctrl+
Rozwiązanie „BookList" (1 projekt)
BookList
Connected Services
Properties
wwwroot
Zależności
Migrations
Model
Pages
BookList
Pokaż w Przeglądarce (Google Chrome) Ctrl+Shift+W
Przeglądaj za pomocą...
Dodaj
Zawęź zakres do tego elementu
Nowy widok — Eksplorator rozwiązań
Wyklucz z projektu
Wytnij Ctrl+X
Kopiuj Ctrl+C
Usuń Del
Zmień nazwę
Otwórz folder w Eksploratorze plików
Właściwości Alt+Enter
Strona Razor...
Kontroler...
Nowy element... Ctrl+Shift+A
Istniejący element... Shift+Alt+A
Nowy element szkieletowy...
Nowy folder
Obsługa orkiestratora kontenerów
Obsługa platformy Docker
Biblioteka po stronie klienta...
Nowy projekt zadania WebJob platformy Azure
Istniejący projekt jako zadanie WebJob platformy Azure
Klasa...
Eksplorator rozwiązań
Team Explorer
Właściwości
Lin 8
Kol 1
Zn 1
INS
Dodaj do kontroli źródła



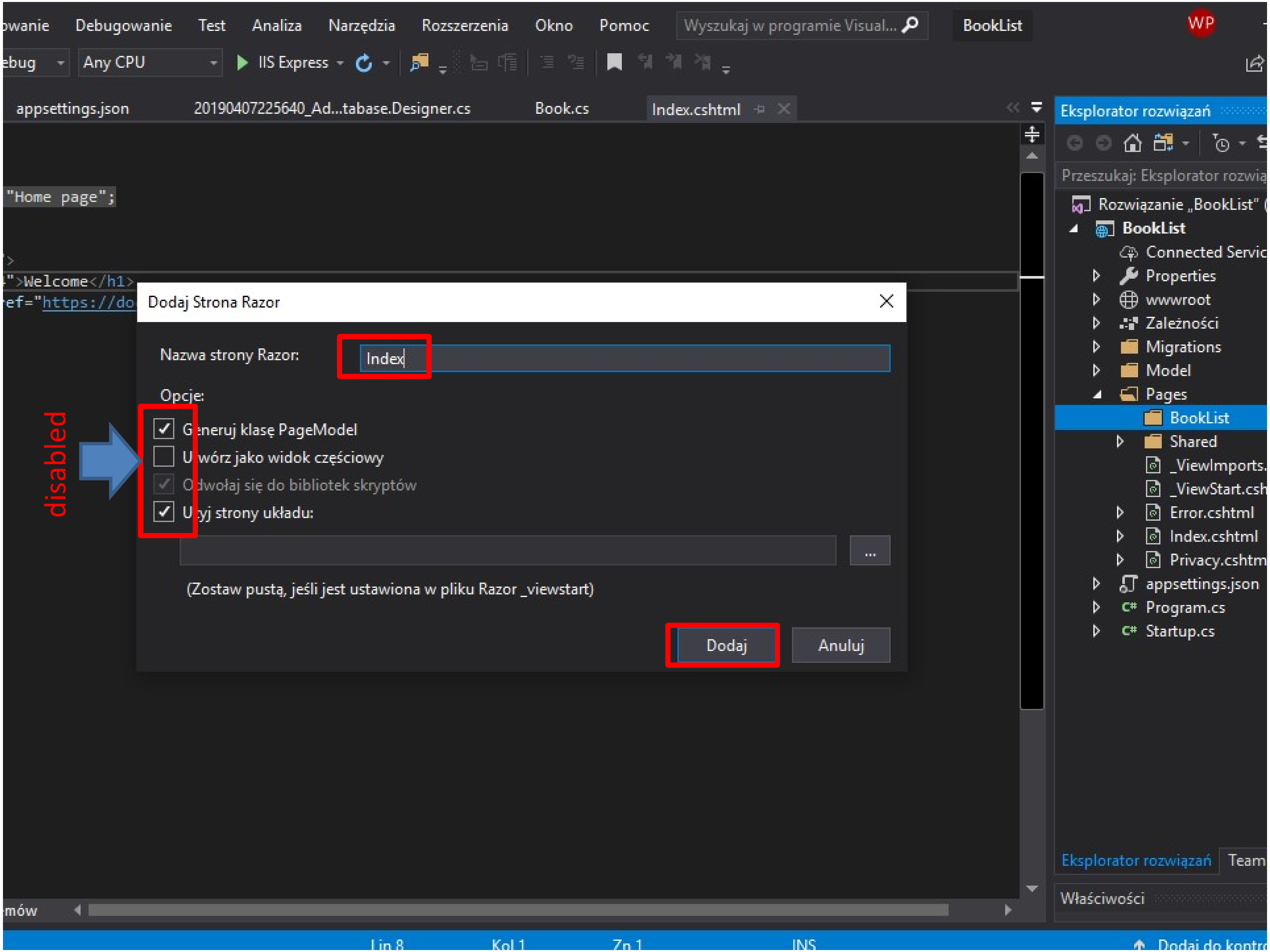
jekt
Kompilowanie
Debugowanie
Test
Analiza
Narzędzia
Rozszerzenia
Okno
Pomoc
Wyszukaj w programie Visual...
BookList
Dodaj szkielet
Zainstalowane
Strony Razor
Wspólne
Strona Razor
Strona Razor korzystająca z platformy Entity Framework
Strony Razor za pomocą platformy Entity Framework (CRUD)
Kliknij tutaj, aby przejść do trybu online i znaleźć więcej rozszerzeń szkieletu.
Dodaj
Anuluj
żadnych problemów
Lin 8
Kol 1
Zn 1
INS

Strona Razor
przez Microsoft
v1.0.0.0

Generuje stronę Razor.

Identyfikator: Microsoft.WebTools.Scaffolding.Core.RazorPageScaffolder

You can also use Razor Page with all operations
But we will build it from scratch



```
"Home page";
>
">Welcome</h1>
ef="https://do
```

Dodaj Strona Razor

Nazwa strony Razor: Index

Opcje:

☑ Generuj klasę PageModel

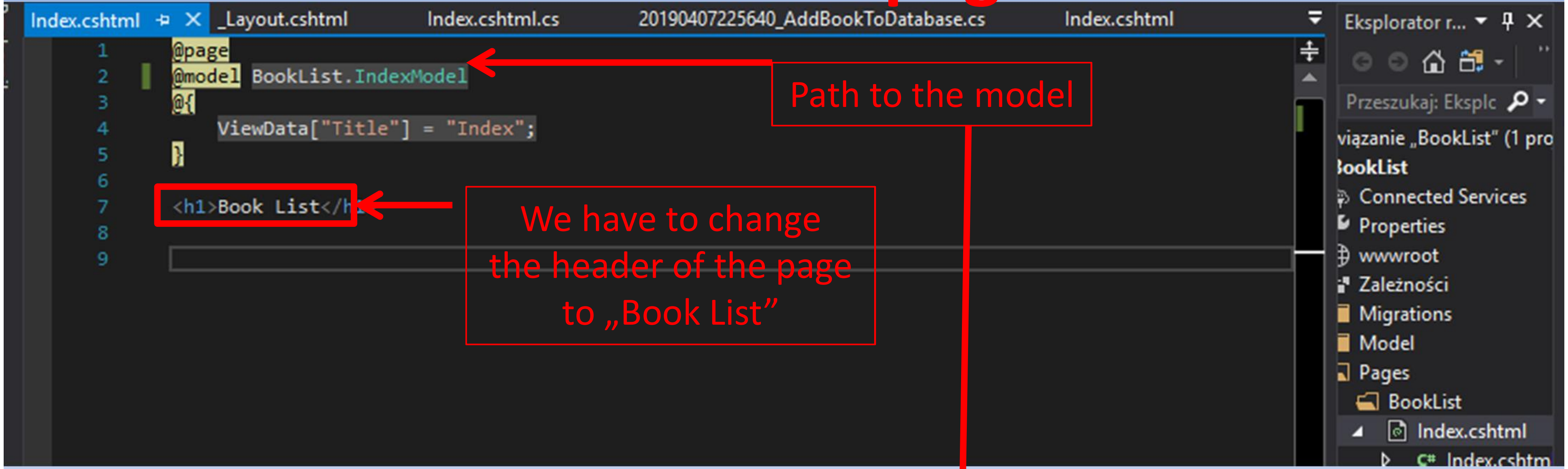
□ Utwórz jako widok częściowy

☑ Odwołaj się do bibliotek skryptów

☑ Użyj strony układu:

(Zostaw pustą, jeśli jest ustawiona w pliku Razor _viewstart)

New index page

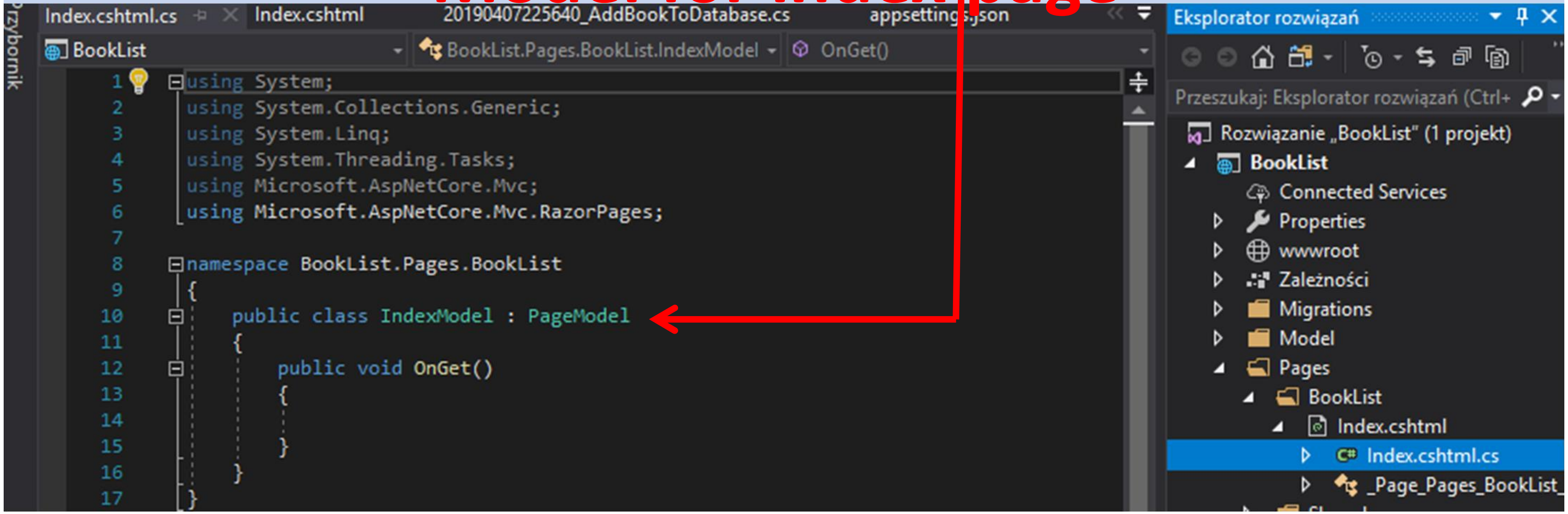


```
@page
@model BookList.IndexModel
@{
    ViewData["Title"] = "Index";
}

<h1>Book List</h
```

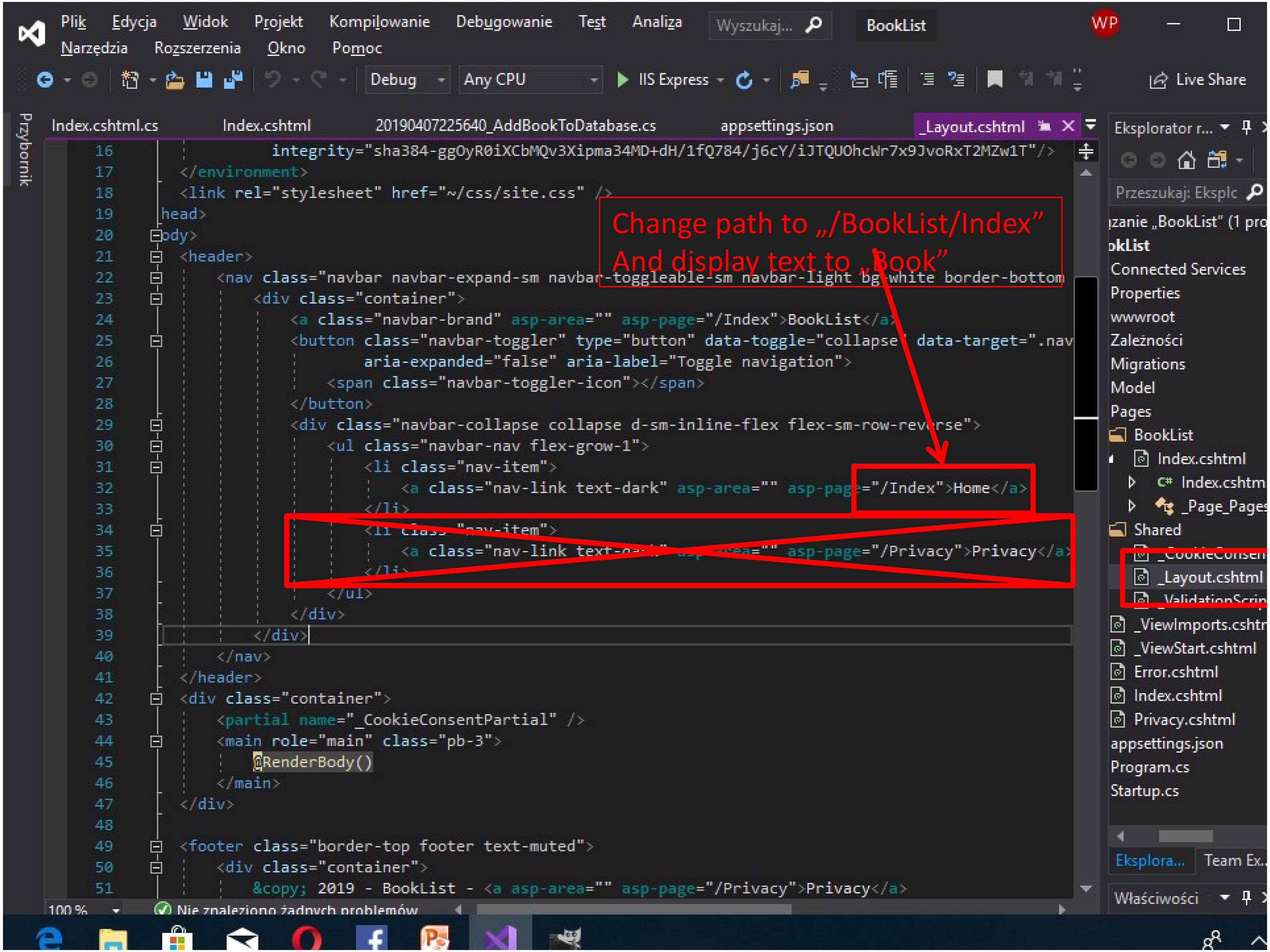
Path to the model

We have to change the header of the page to „Book List”

Model for index page

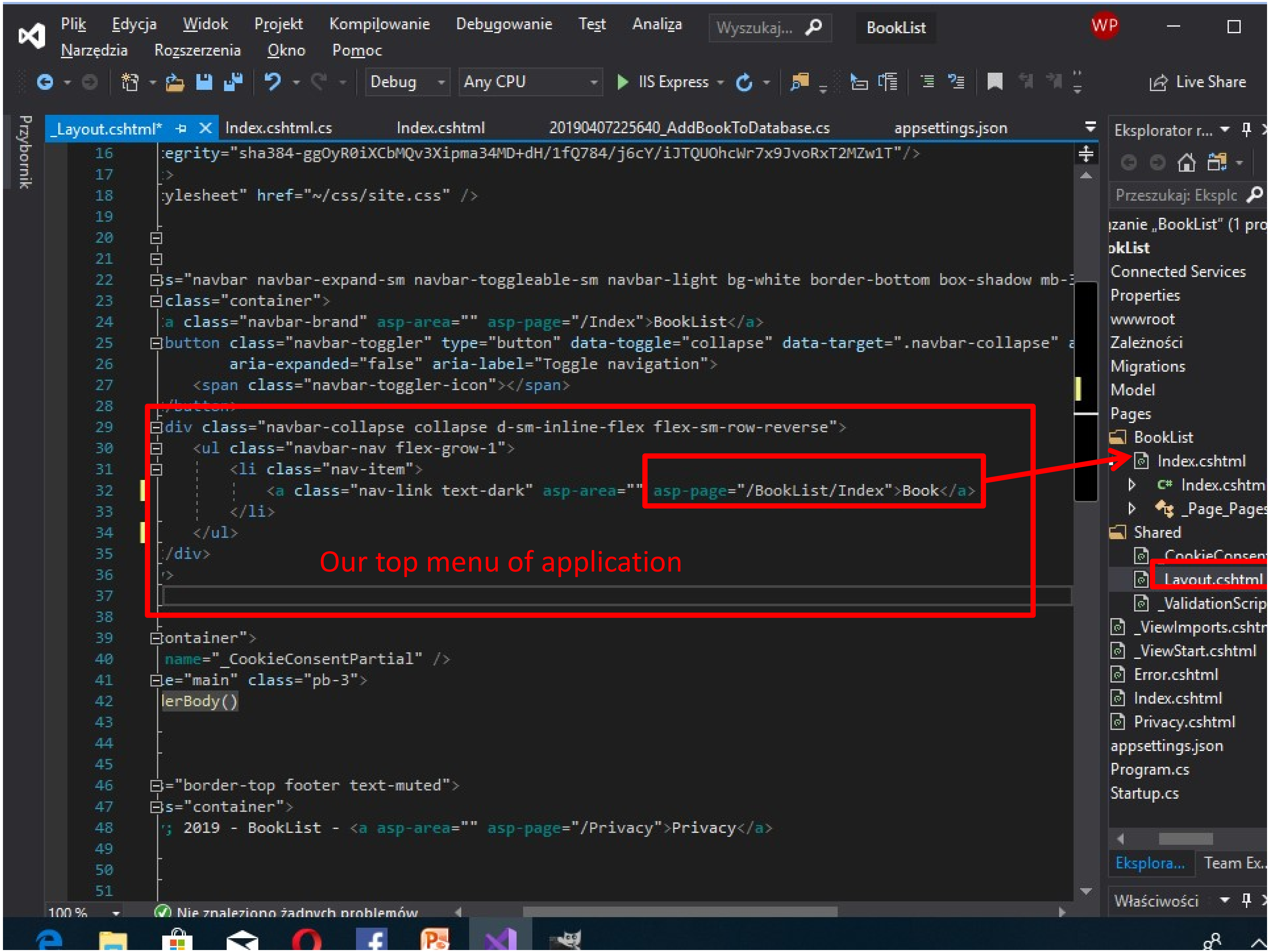


```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.RazorPages;

namespace BookList.Pages.BookList
{
    public class IndexModel : PageModel
    {
        public void OnGet()
        {

        }
    }
}
```



Change path to „/BookList/Index”
And display text to „Book”

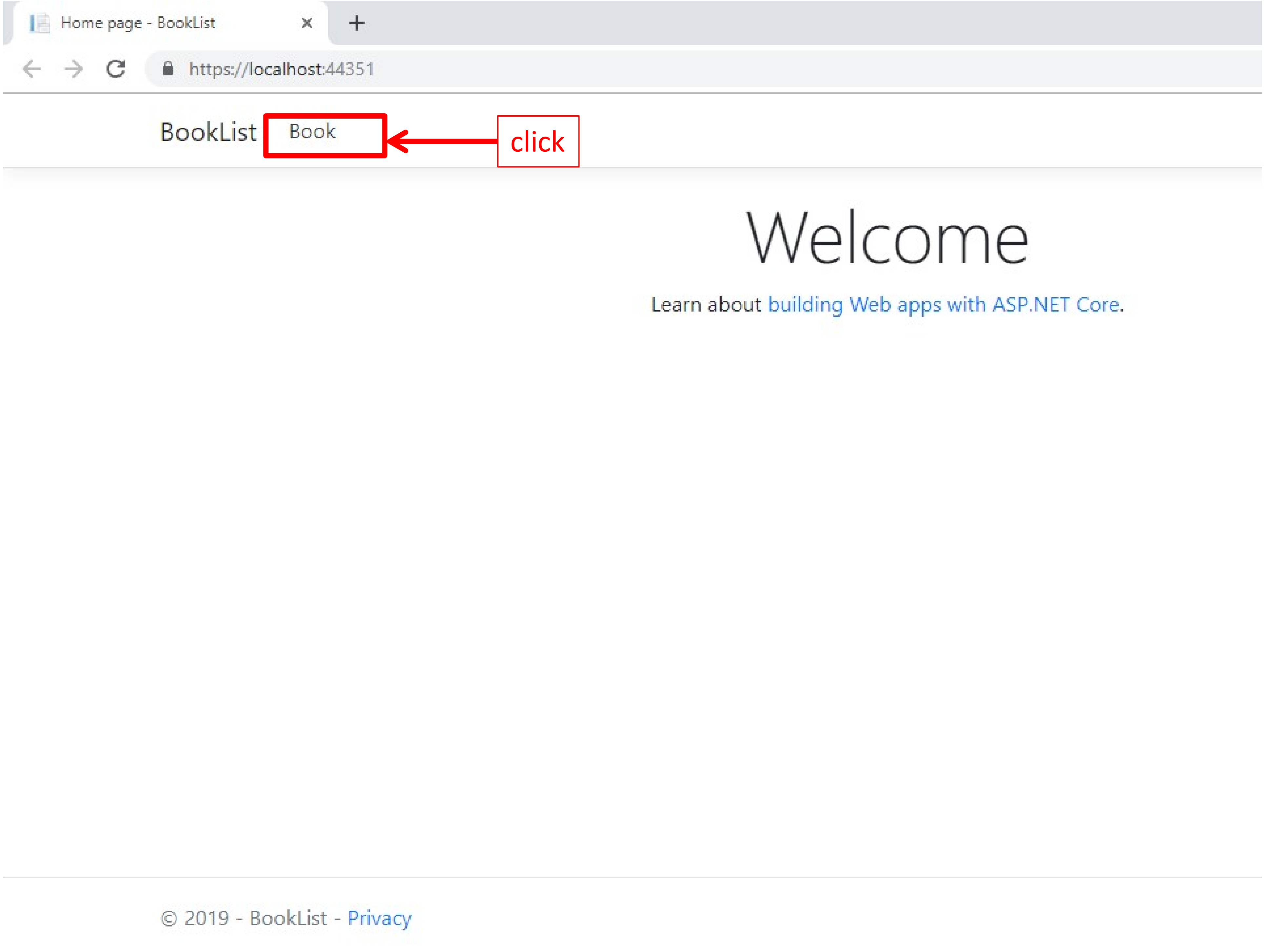
```
      integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"/>
 </environment>
 <link rel="stylesheet" href="~/css/site.css" />
head>
ody>
 <header>
   <nav class="navbar navbar-expand-sm navbar-toggleable-sm navbar-light bg-white border-bottom
     <div class="container">
       <a class="navbar-brand" asp-area="" asp-page="/Index">BookList</a>
       <button class="navbar-toggler" type="button" data-toggle="collapse" data-target=".nav
           aria-expanded="false" aria-label="Toggle navigation">
         <span class="navbar-toggler-icon"></span>
       </button>
       <div class="navbar-collapse collapse d-sm-inline-flex flex-sm-row-reverse">
         <ul class="navbar-nav flex-grow-1">
           <li class="nav-item">
             <a class="nav-link text-dark" asp-area="" asp-page="/Index">Home</a>
           </li>
           ~~<li class="nav-item">~~
             ~~<a class="nav-link text-dark" asp-area="" asp-page="/Privacy">Privacy</a>~~
           ~~</li>~~
         </ul>
       </div>
     </div>
   </nav>
 </header>
 <div class="container">
   <partial name="_CookieConsentPartial" />
   <main role="main" class="pb-3">
     @RenderBody()
   </main>
 </div>

 <footer class="border-top footer text-muted">
   <div class="container">
     &copy; 2019 - BookList - <a asp-area="" asp-page="/Privacy">Privacy</a>
```



```
:egrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"/>
:>
:ylesheet" href="~/css/site.css" />



s="navbar navbar-expand-sm navbar-toggleable-sm navbar-light bg-white border-bottom box-shadow mb-3
class="container">
:a class="navbar-brand" asp-area="" asp-page="/Index">BookList</a>
button class="navbar-toggler" type="button" data-toggle="collapse" data-target=".navbar-collapse" a
       aria-expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
</button>
div class="navbar-collapse collapse d-sm-inline-flex flex-sm-row-reverse">
    <ul class="navbar-nav flex-grow-1">
        <li class="nav-item">
            <a class="nav-link text-dark" asp-area="" asp-page="/BookList/Index">Book</a>
        </li>
    </ul>
</div>
>


ontainer">
name="_CookieConsentPartial" />
e="main" class="pb-3">
lerBody()



="border-top footer text-muted">
s="container">
; 2019 - BookList - <a asp-area="" asp-page="/Privacy">Privacy</a>
```

Our top menu of application

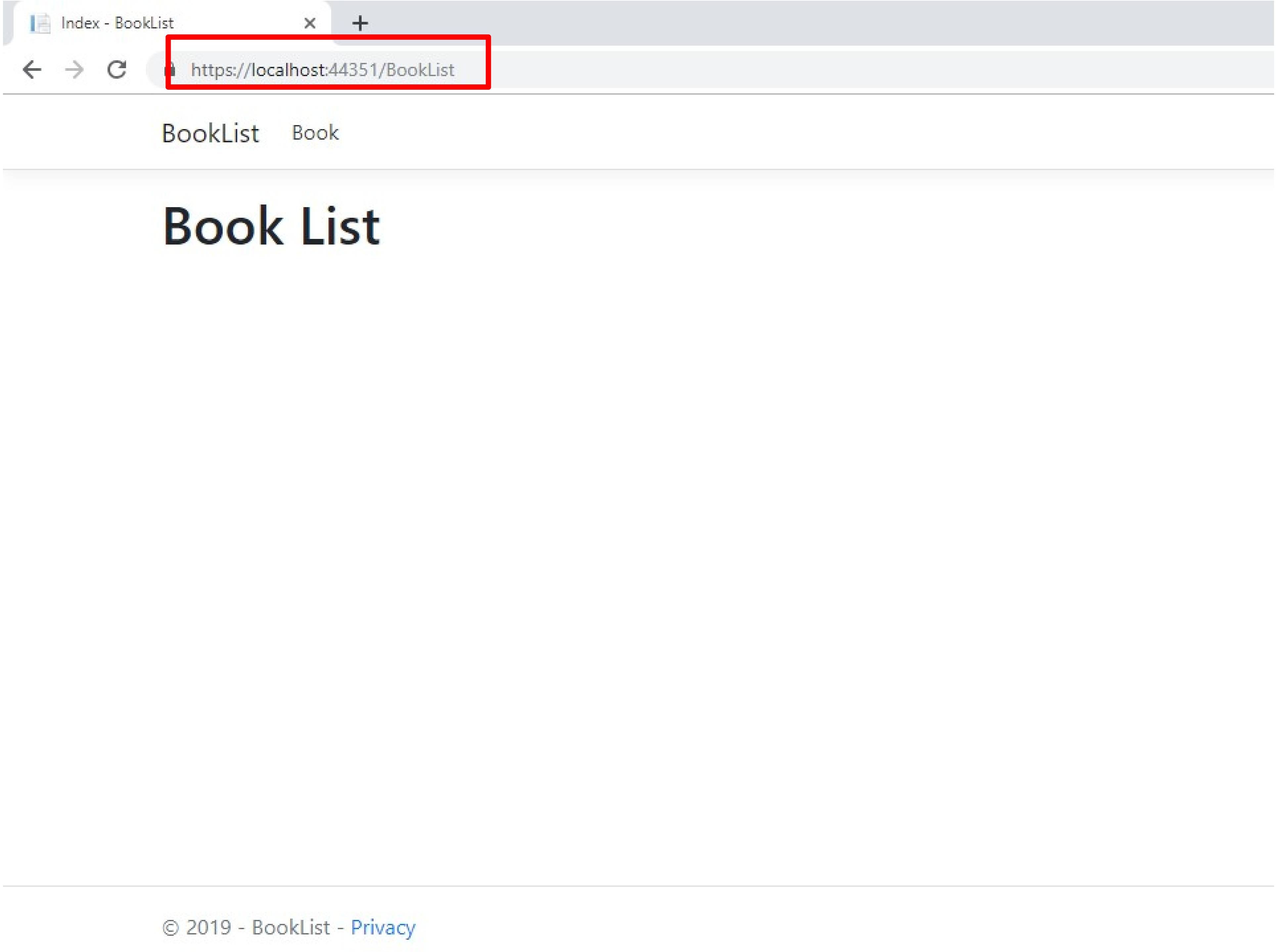
Nie znaleziono żadnych problemów



Welcome

Learn about building Web apps with ASP.NET Core.

© 2019 - BookList - Privacy



Index - BookList

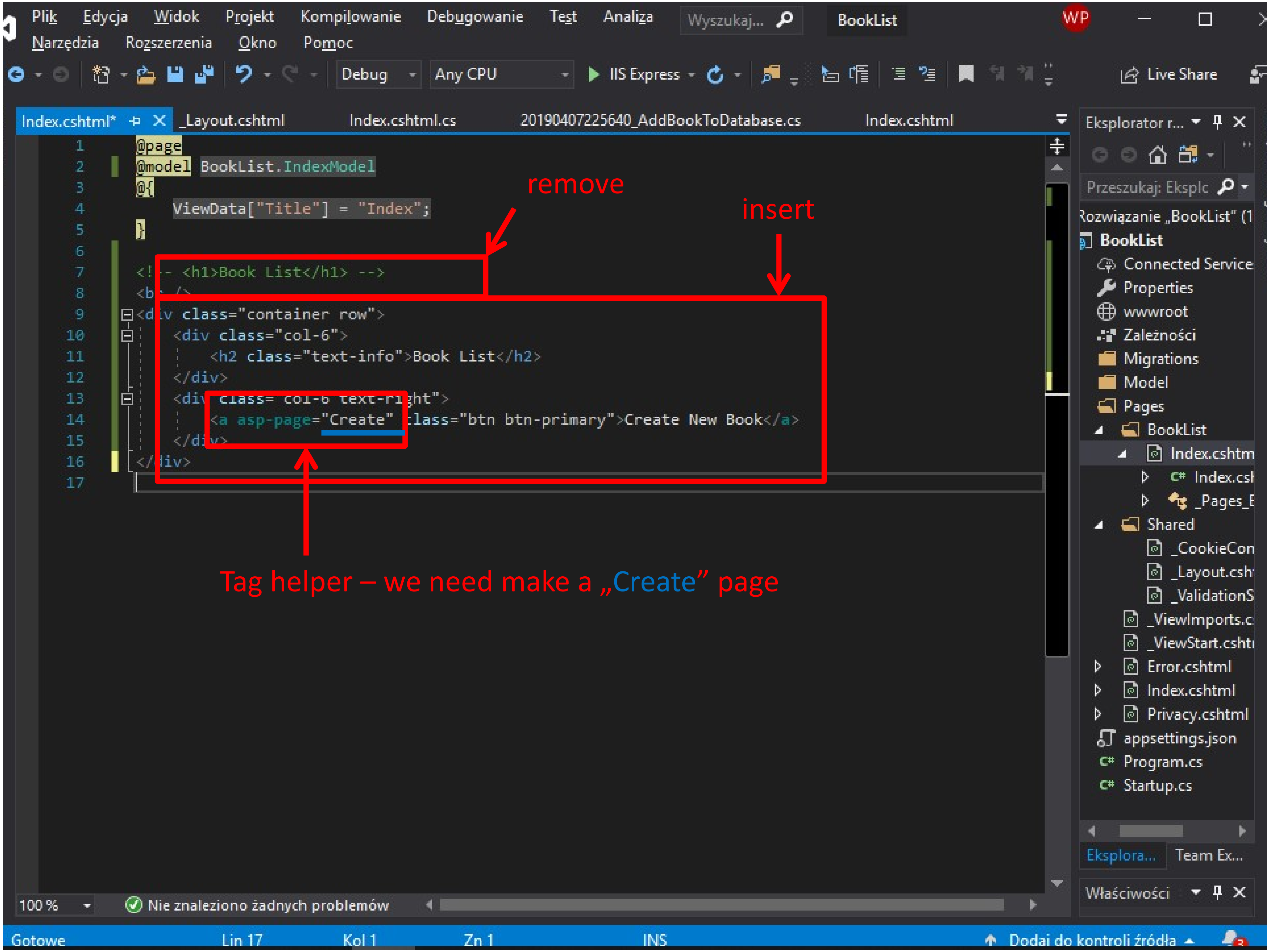
https://localhost:44351/BookList

BookList Book

Book List

© 2019 - BookList - Privacy

„Create New Book” button

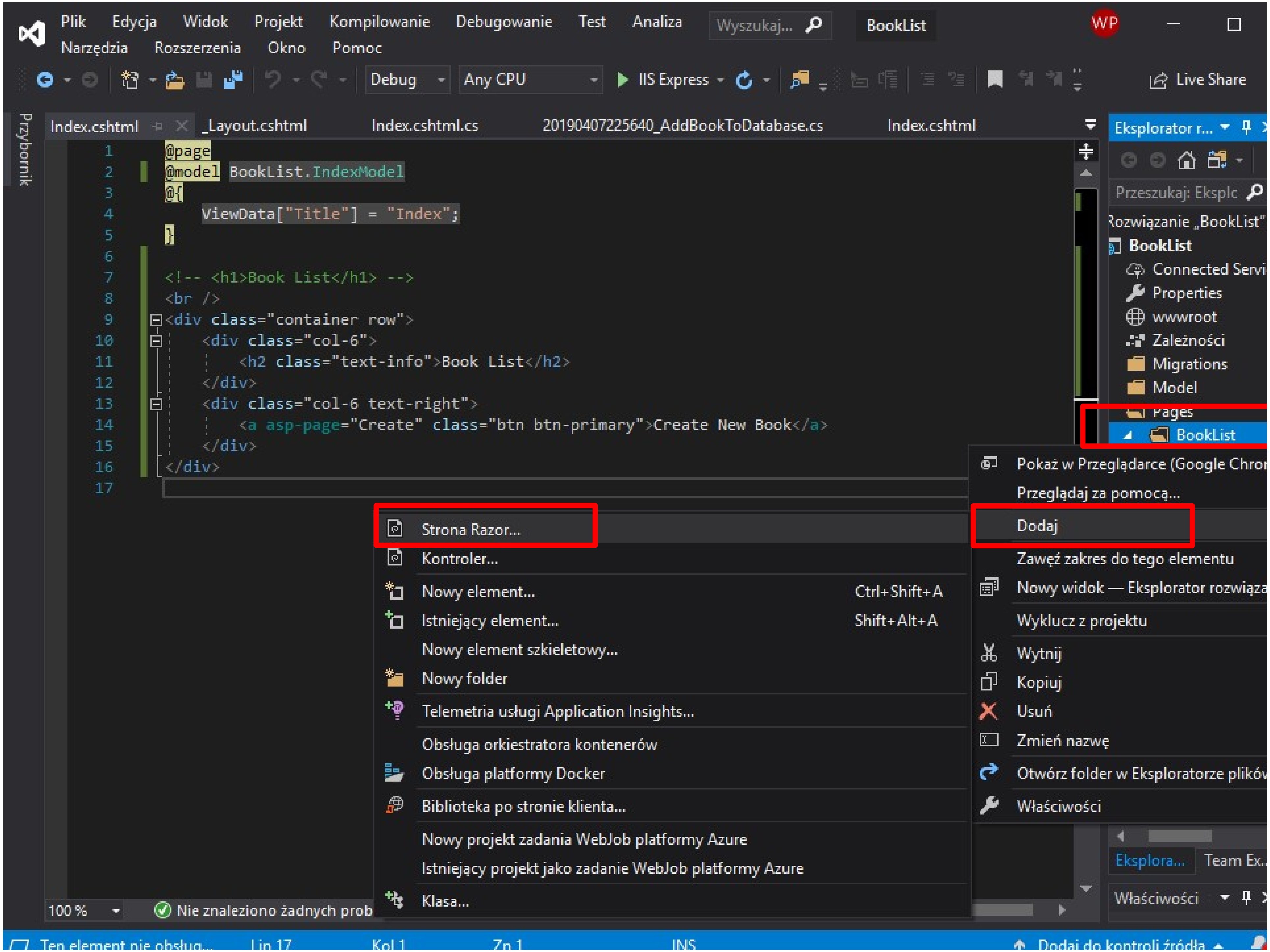


```
@page
@model BookList.IndexModel
@{
    ViewData["Title"] = "Index";
}

<!-- <h1>Book List</h1> -->
<br />
<div class="container row">
    <div class="col-6">
        <h2 class="text-info">Book List</h2>
    </div>
    <div class="col-6 text-right">
        <a asp-page="Create" class="btn btn-primary">Create New Book</a>
    </div>
</div>
```

remove

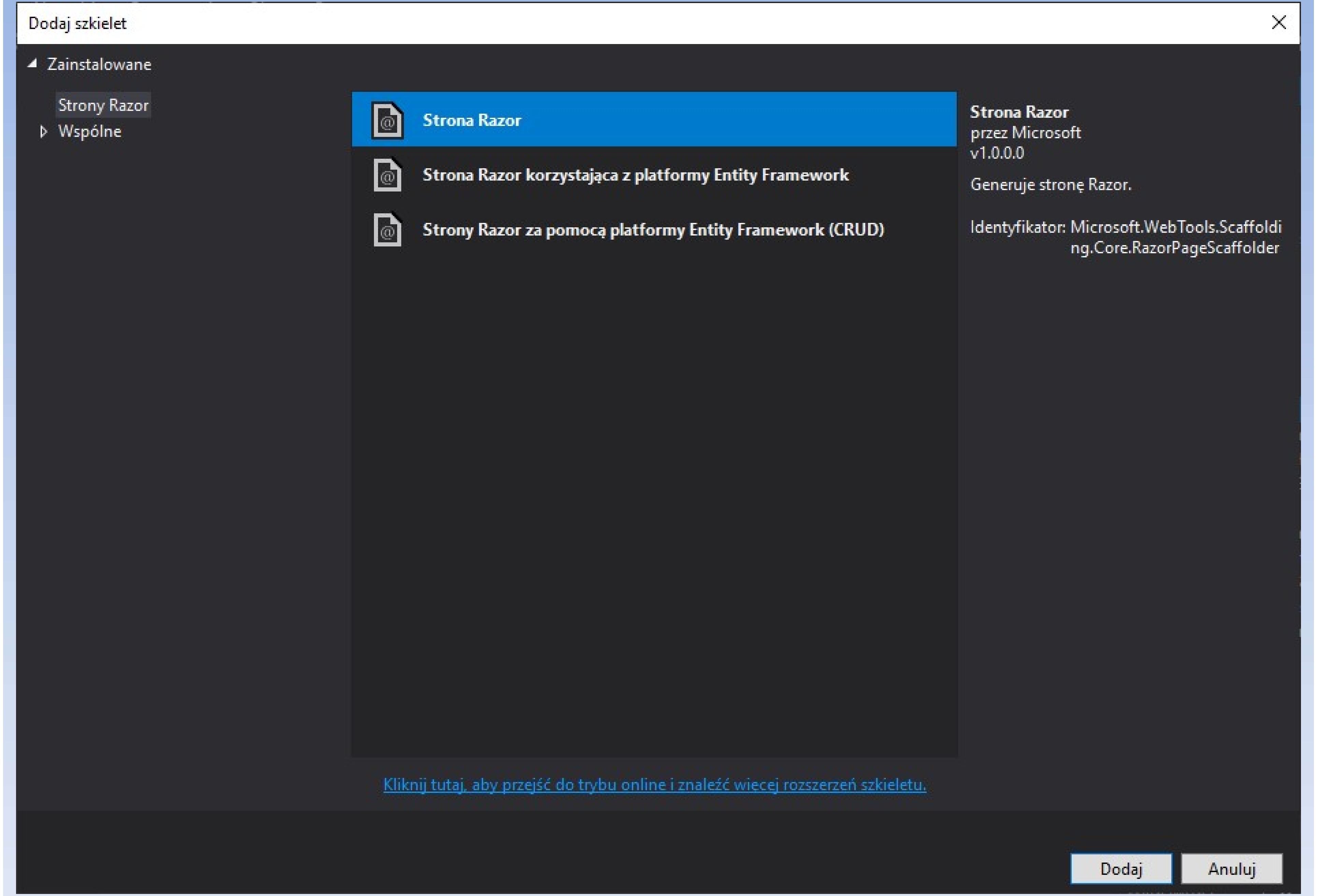
insert

Tag helper – we need make a „Create" page



```
@page
@model BookList.IndexModel
@{
    ViewData["Title"] = "Index";
}

<!-- <h1>Book List</h1> -->
<br />
<div class="container row">
    <div class="col-6">
        <h2 class="text-info">Book List</h2>
    </div>
    <div class="col-6 text-right">
        <a asp-page="Create" class="btn btn-primary">Create New Book</a>
    </div>
</div>

```

Plik Edycja Widok Projekt Kompilowanie Debugowanie Test Analiza
Wyszukaj...
BookList
WP
Narzędzia Rozszerzenia Okno Pomoc
Debug
Any CPU
IIS Express
Live Share
Przybornik
Index.cshtml
_Layout.cshtml
Index.cshtml.cs
20190407225640_AddBookToDatabase.cs
Index.cshtml
Eksplorator r...
Przeszukaj: Eksplc
Rozwiązanie „BookList"
BookList
Connected Servi
Properties
wwwroot
Zależności
Migrations
Model
Pages
BookList
Pokaż w Przeglądarce (Google Chro
Przeglądaj za pomocą...
Dodaj
Zawęź zakres do tego elementu
Nowy widok — Eksplorator rozwiąza
Wyklucz z projektu
Wytnij
Kopiuj
Usuń
Zmień nazwę
Otwórz folder w Eksploratorze plików
Właściwości
Strona Razor...
Kontroler...
Nowy element... Ctrl+Shift+A
Istniejący element... Shift+Alt+A
Nowy element szkieletowy...
Nowy folder
Telemetria usługi Application Insights...
Obsługa orkiestratora kontenerów
Obsługa platformy Docker
Biblioteka po stronie klienta...
Nowy projekt zadania WebJob platformy Azure
Istniejący projekt jako zadanie WebJob platformy Azure
Klasa...
Eksplora...
Team Ex...
Właściwości
100 %
Nie znaleziono żadnych prob
Ten element nie obsług...
Lin 17
Kol 1
Zn 1
INS
Dodaj do kontroli źródła



Dodaj szkielet

Strona Razor

Strona Razor korzystająca z platformy Entity Framework

Strony Razor za pomocą platformy Entity Framework (CRUD)

Strona Razor
przez Microsoft
v1.0.0.0

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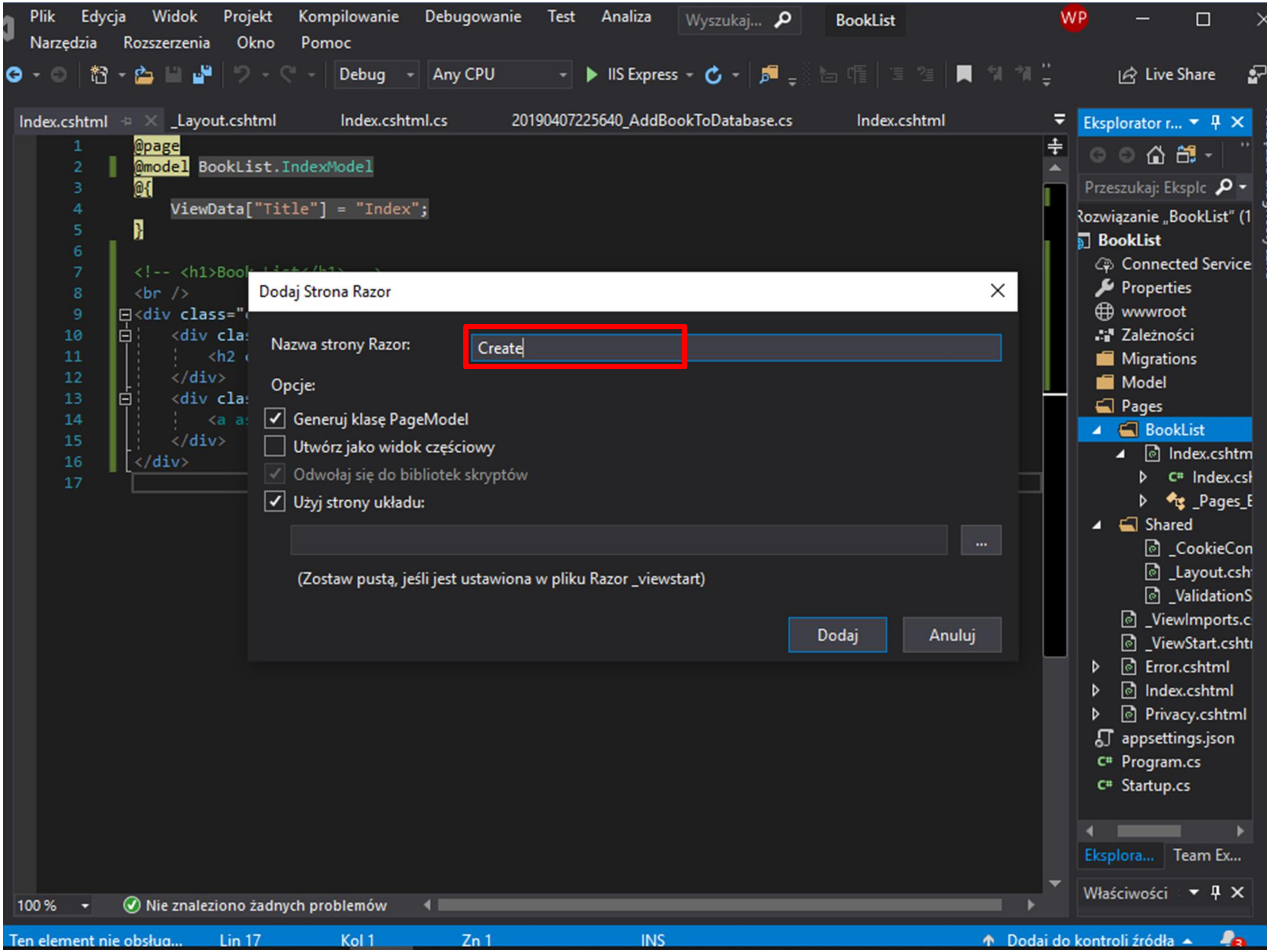
Identyfikator: Microsoft.WebTools.Scaffolding.Core.RazorPageScaffolder

Kliknij tutaj, aby przejść do trybu online i znaleźć wiecej rozszerzeń szkieletu.



```
@page
@model BookList.IndexModel
@{
    ViewData["Title"] = "Index";
}

<!-- <h1>Book List</h1> -->
<br />
<div class="
    <div clas
        <h2 c
    </div>
    <div clas
        <a as
    </div>
</div>
```

Dodaj Strona Razor

Nazwa strony Razor: Create

Opcje:

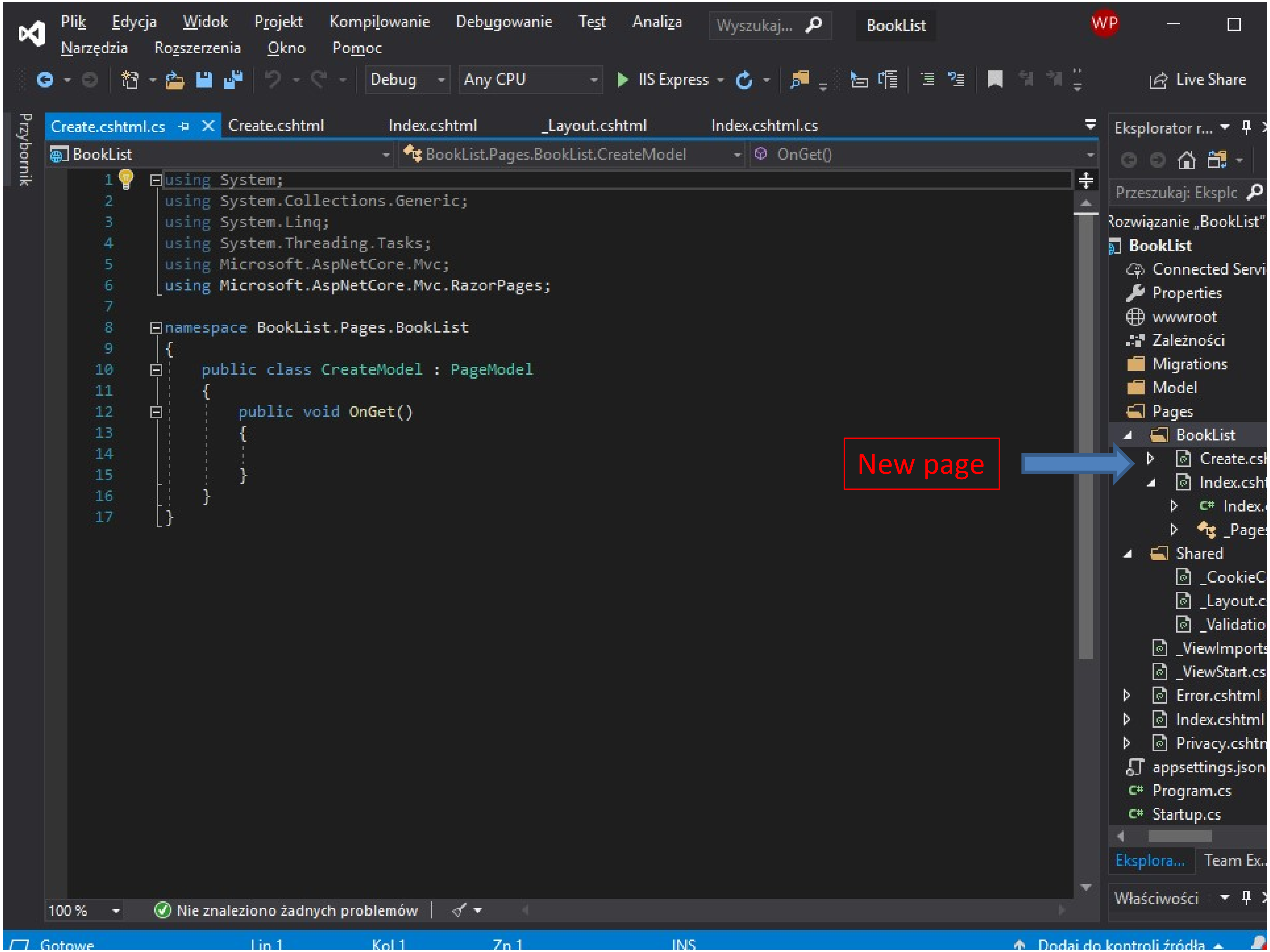
☑ Generuj klasę PageModel

□ Utwórz jako widok częściowy

☑ Odwołaj się do bibliotek skryptów

☑ Użyj strony układu:

(Zostaw pustą, jeśli jest ustawiona w pliku Razor _viewstart)

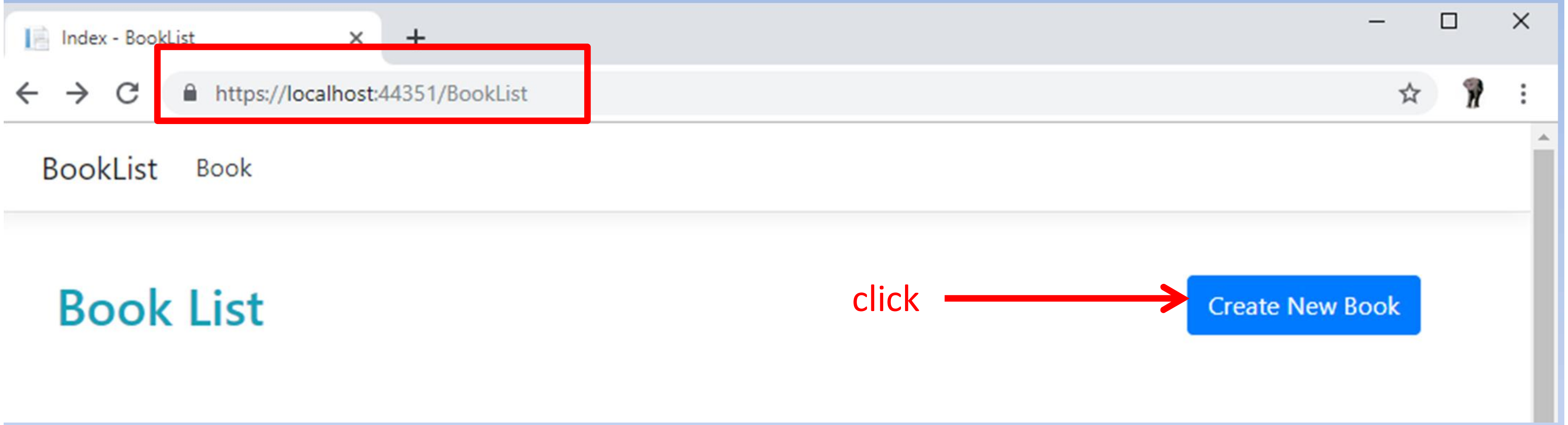


```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.RazorPages;

namespace BookList.Pages.BookList
{
    public class CreateModel : PageModel
    {
        public void OnGet()
        {

        }
    }
}
```

Nie znaleziono żadnych problemów

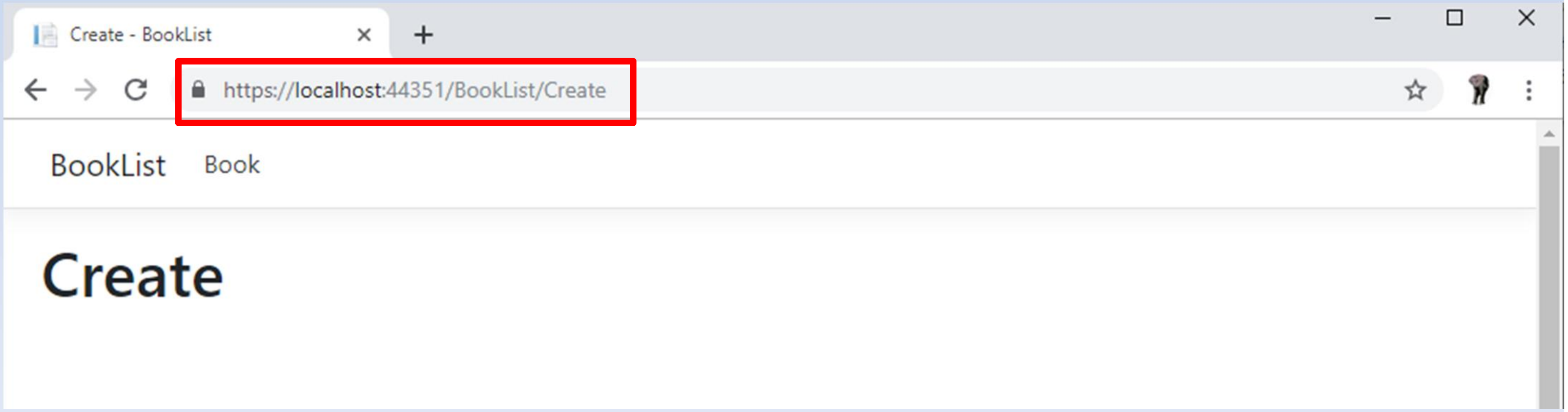
New page

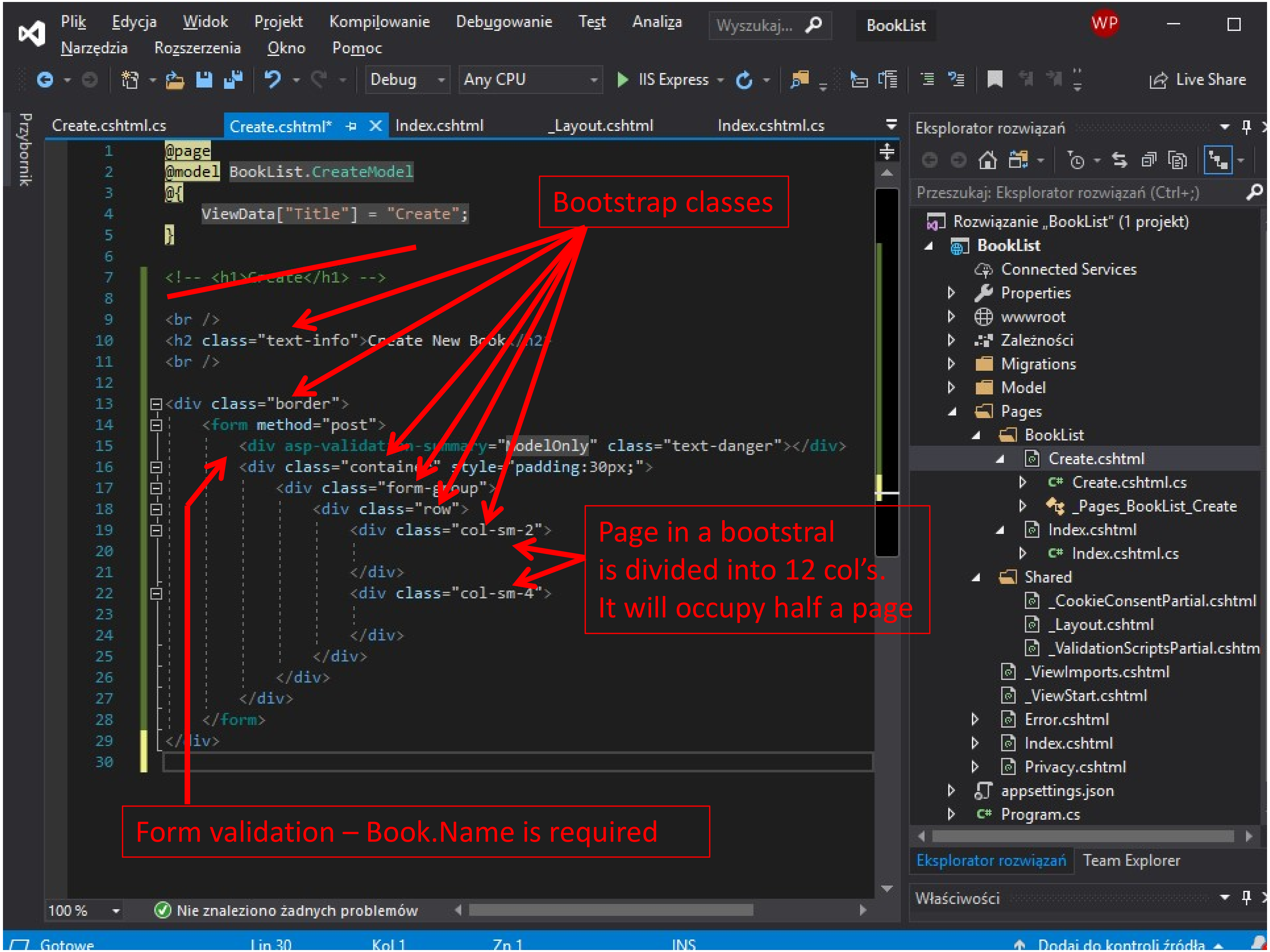
„Index” page



click

„Create” page



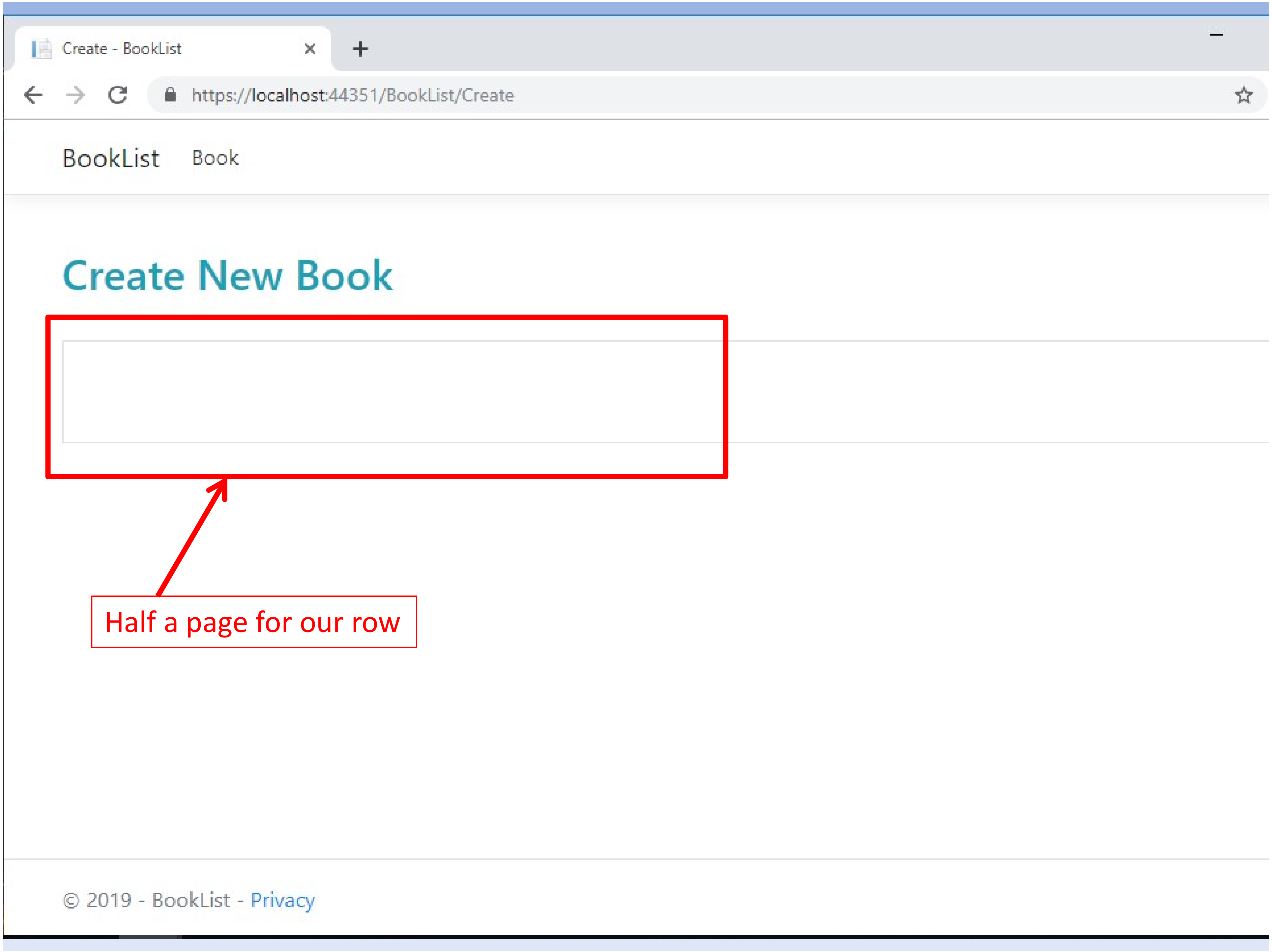


```
@page
@model BookList.CreateModel
@{
    ViewData["Title"] = "Create";
}

<!-- <h1>Create</h1> -->

<br />
<h2 class="text-info">Create New Book</h2>
<br />

<div class="border">
    <form method="post">
        <div asp-validation-summary="ModelOnly" class="text-danger"></div>
        <div class="container" style="padding:30px;">
            <div class="form-group">
                <div class="row">
                    <div class="col-sm-2">

                    </div>
                    <div class="col-sm-4">

                    </div>
                </div>
            </div>
        </div>
    </form>
</div>
```

Bootstrap classes

Page in a bootstral is divided into 12 col's. It will occupy half a page

Form validation – Book.Name is required



Create - BookList

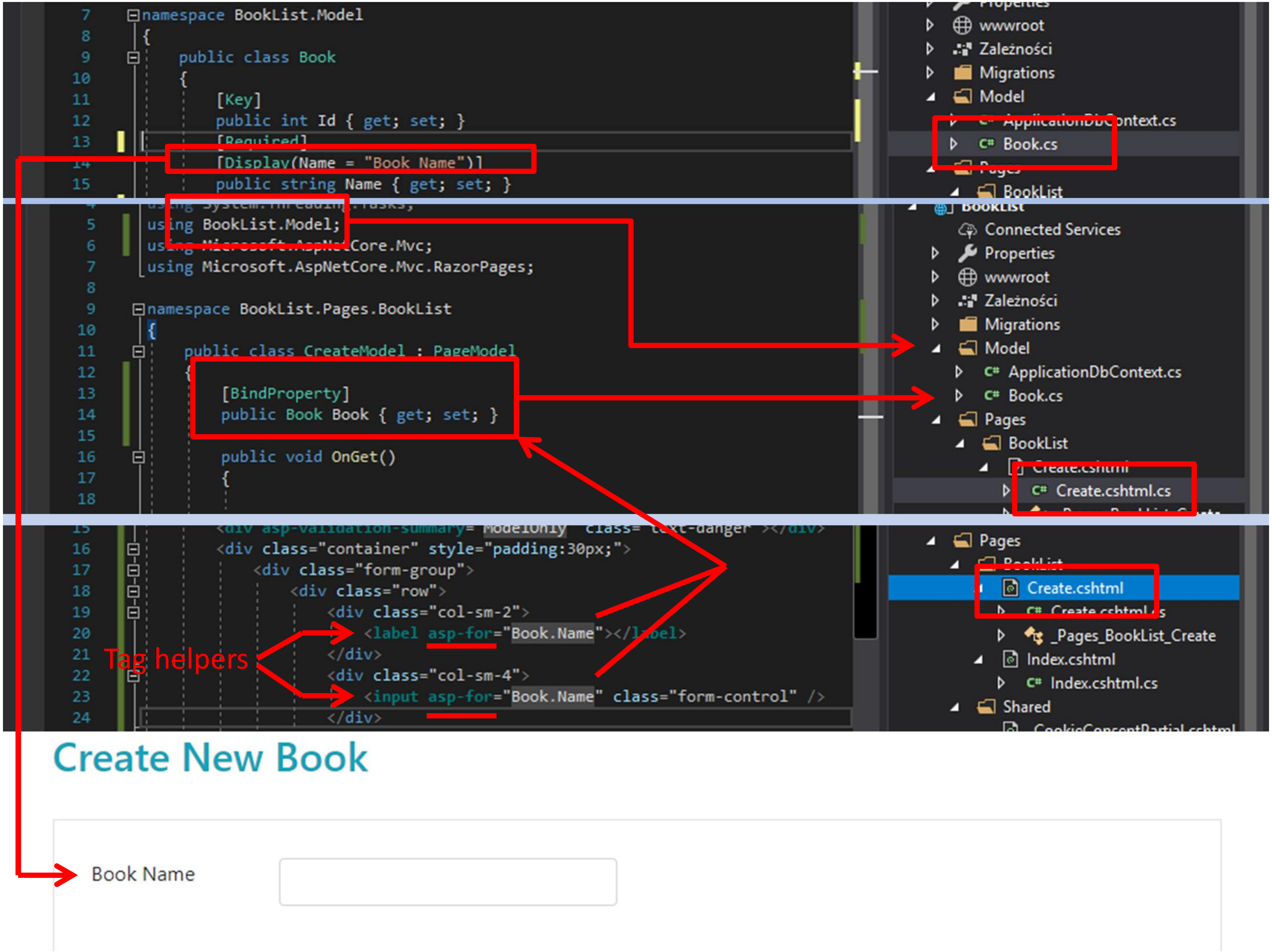
https://localhost:44351/BookList/Create

BookList Book

Create New Book

Half a page for our row

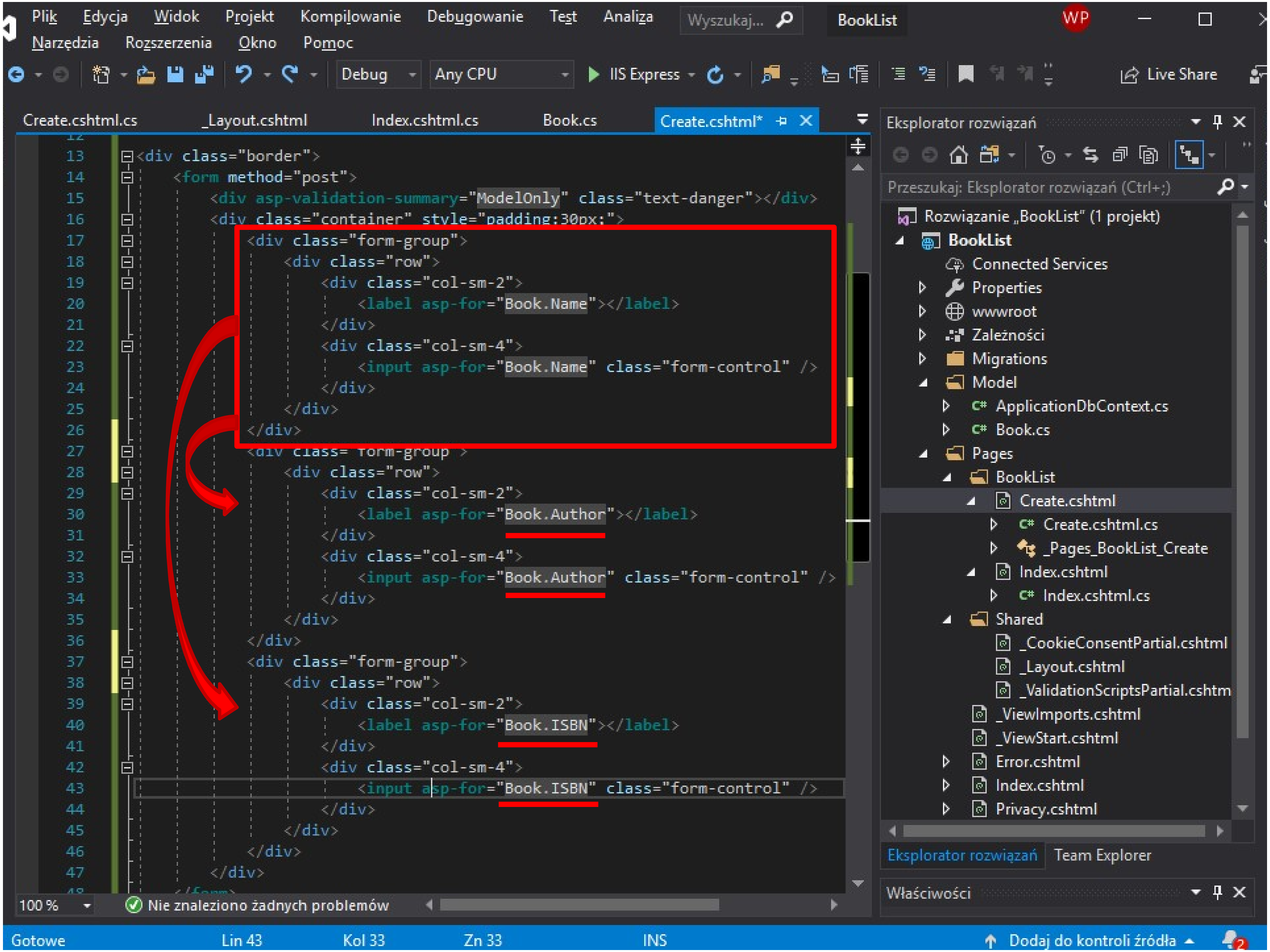
© 2019 - BookList - Privacy



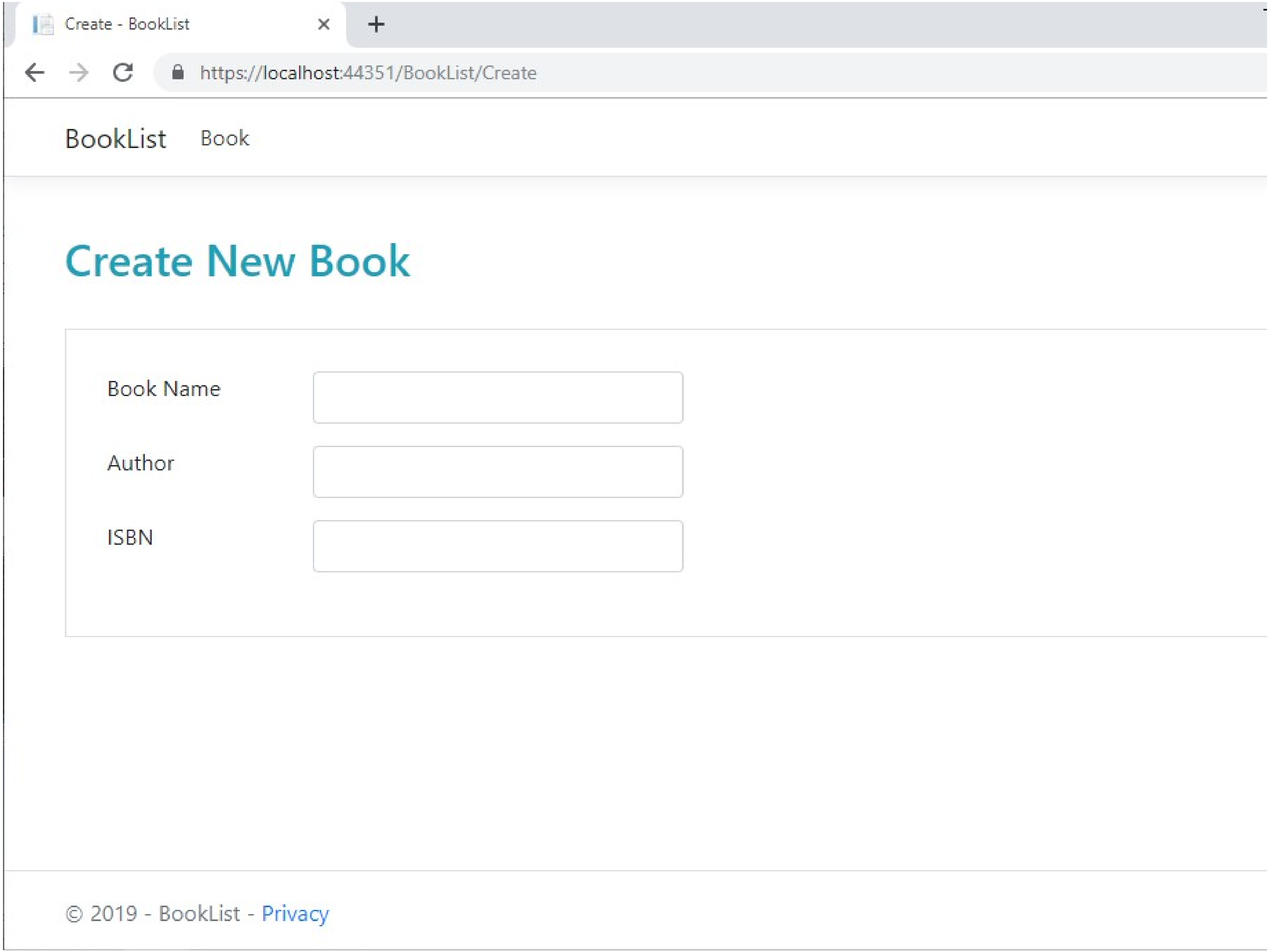
```
namespace BookList.Model
{
    public class Book
    {
        [Key]
        public int Id { get; set; }
        [Required]
        [Display(Name = "Book Name")]
        public string Name { get; set; }
```

```
using BookList.Model;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.RazorPages;

namespace BookList.Pages.BookList
{
    public class CreateModel : PageModel
    {

        [BindProperty]
        public Book Book { get; set; }

        public void OnGet()
        {
```

```
        <div class="container" style="padding:30px;">
            <div class="form-group">
                <div class="row">
                    <div class="col-sm-2">
                        <label asp-for="Book.Name"></label>
                    </div>
                    <div class="col-sm-4">
                        <input asp-for="Book.Name" class="form-control" />
                    </div>
```


Plik
Edycja
Widok
Projekt
Kompilowanie
Debugowanie
Test
Analiza
Wyszukaj...
BookList
WP
Narzędzia
Rozszerzenia
Okno
Pomoc
Debug
Any CPU
IIS Express
Live Share
Create.cshtml.cs
_Layout.cshtml
Index.cshtml.cs
Book.cs
Create.cshtml*
Eksplorator rozwiązań
Przeszukaj: Eksplorator rozwiązań (Ctrl+;)
Rozwiązanie „BookList" (1 projekt)
BookList
Connected Services
Properties
wwwroot
Zależności
Migrations
Model
ApplicationDbContext.cs
Book.cs
Pages
BookList
Create.cshtml
Create.cshtml.cs
_Pages_BookList_Create
Index.cshtml
Index.cshtml.cs
Shared
_CookieConsentPartial.cshtml
_Layout.cshtml
_ValidationScriptsPartial.cshtm
_ViewImports.cshtml
_ViewStart.cshtml
Error.cshtml
Index.cshtml
Privacy.cshtml
Eksplorator rozwiązań
Team Explorer
Właściwości
100 %
Nie znaleziono żadnych problemów
Gotowe
Lin 43
Kol 33
Zn 33
INS
Dodaj do kontroli źródła

```
<div class="border">
    <form method="post">
        <div asp-validation-summary="ModelOnly" class="text-danger"></div>
        <div class="container" style="padding:30px;">
            <div class="form-group">
                <div class="row">
                    <div class="col-sm-2">
                        <label asp-for="Book.Name"></label>
                    </div>
                    <div class="col-sm-4">
                        <input asp-for="Book.Name" class="form-control" />
                    </div>
                </div>
            </div>
            <div class="form-group">
                <div class="row">
                    <div class="col-sm-2">
                        <label asp-for="Book.Author"></label>
                    </div>
                    <div class="col-sm-4">
                        <input asp-for="Book.Author" class="form-control" />
                    </div>
                </div>
            </div>
            <div class="form-group">
                <div class="row">
                    <div class="col-sm-2">
                        <label asp-for="Book.ISBN"></label>
                    </div>
                    <div class="col-sm-4">
                        <input asp-for="Book.ISBN" class="form-control" />
                    </div>
                </div>
            </div>
        </div>
```



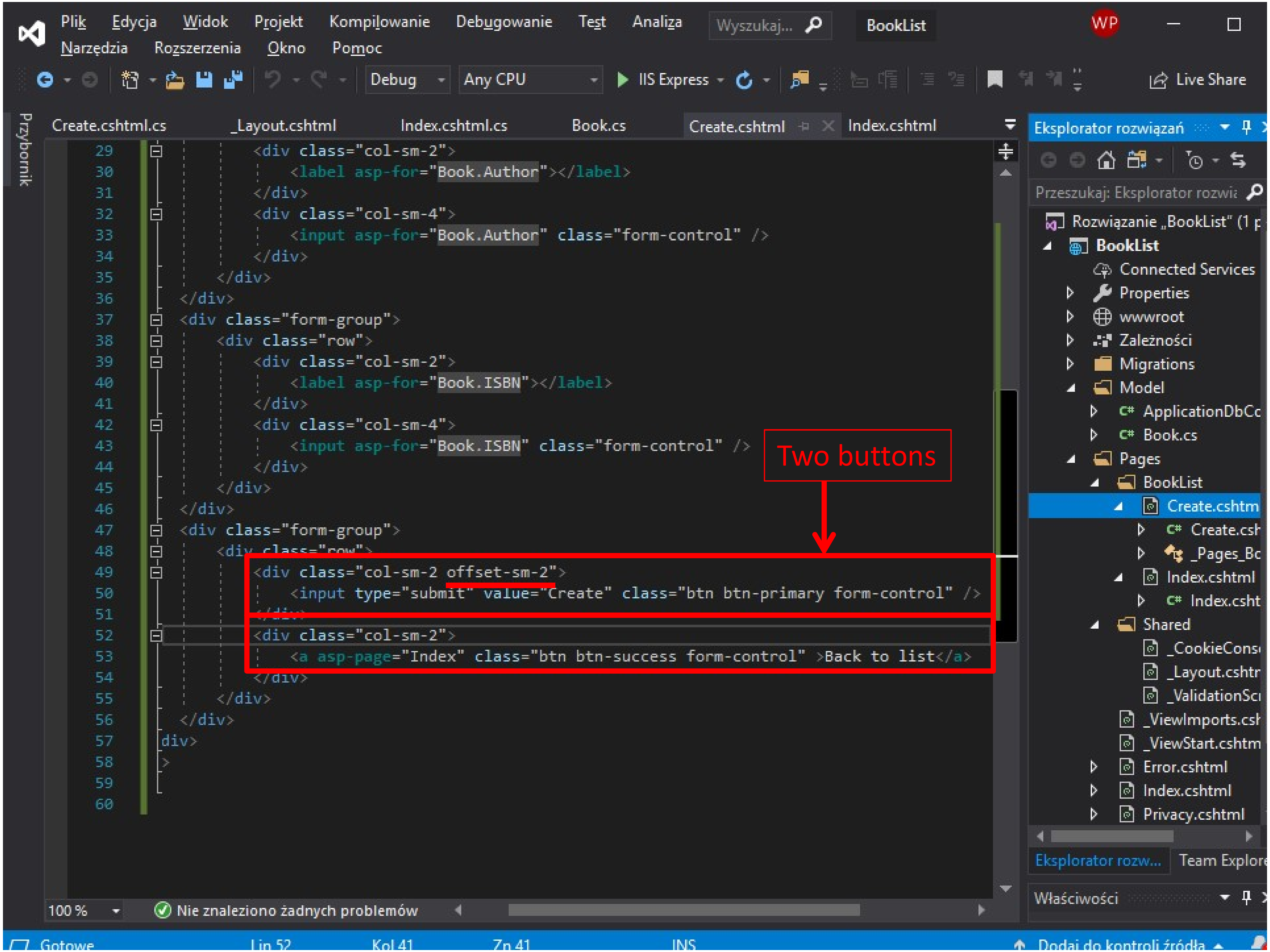
Create New Book

Book Name

Author

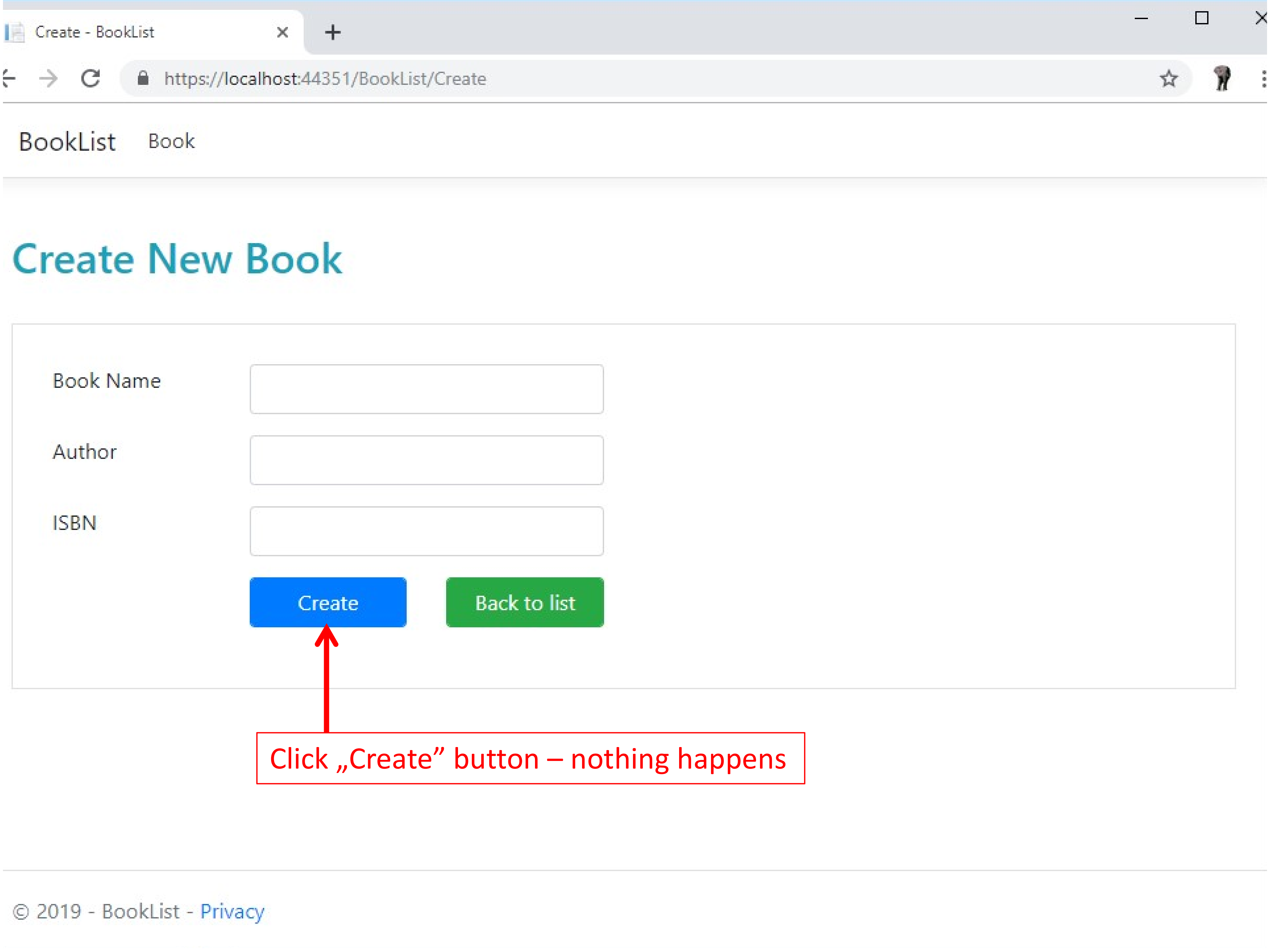
ISBN

© 2019 - BookList - Privacy



```
          <div class="col-sm-2">
              <label asp-for="Book.Author"></label>
          </div>
          <div class="col-sm-4">
              <input asp-for="Book.Author" class="form-control" />
          </div>
      </div>
  </div>
  <div class="form-group">
      <div class="row">
          <div class="col-sm-2">
              <label asp-for="Book.ISBN"></label>
          </div>
          <div class="col-sm-4">
              <input asp-for="Book.ISBN" class="form-control" />
          </div>
      </div>
  </div>
  <div class="form-group">
      <div class="row">
          <div class="col-sm-2 offset-sm-2">
              <input type="submit" value="Create" class="btn btn-primary form-control" />
          </div>
          <div class="col-sm-2">
              <a asp-page="Index" class="btn btn-success form-control" >Back to list</a>
          </div>
      </div>
  </div>
div>
>
```

Two buttons



Create New Book

Book Name

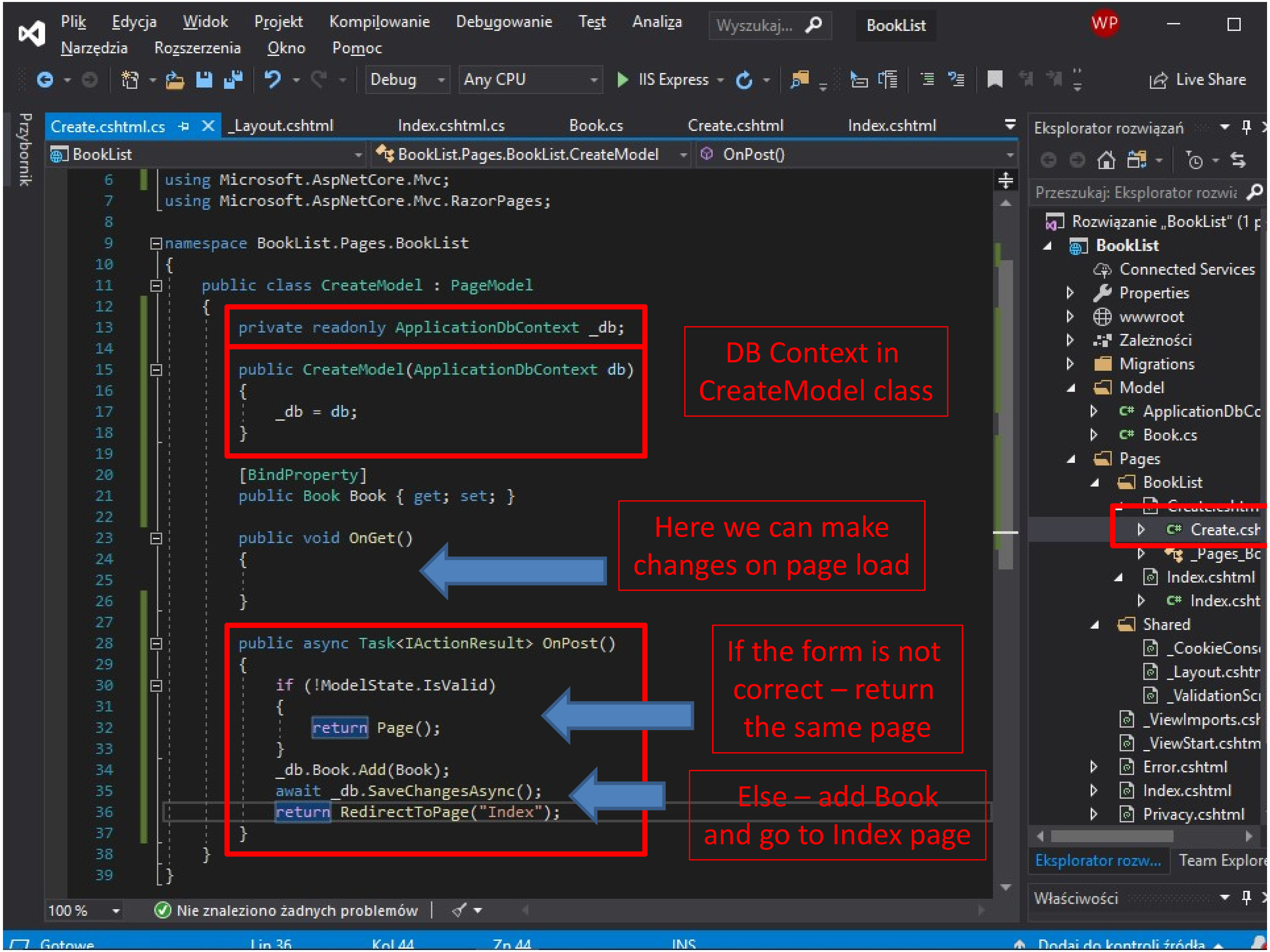
Author

ISBN

© 2019 - BookList - Privacy

Click „Create” button – nothing happens

Create post handler



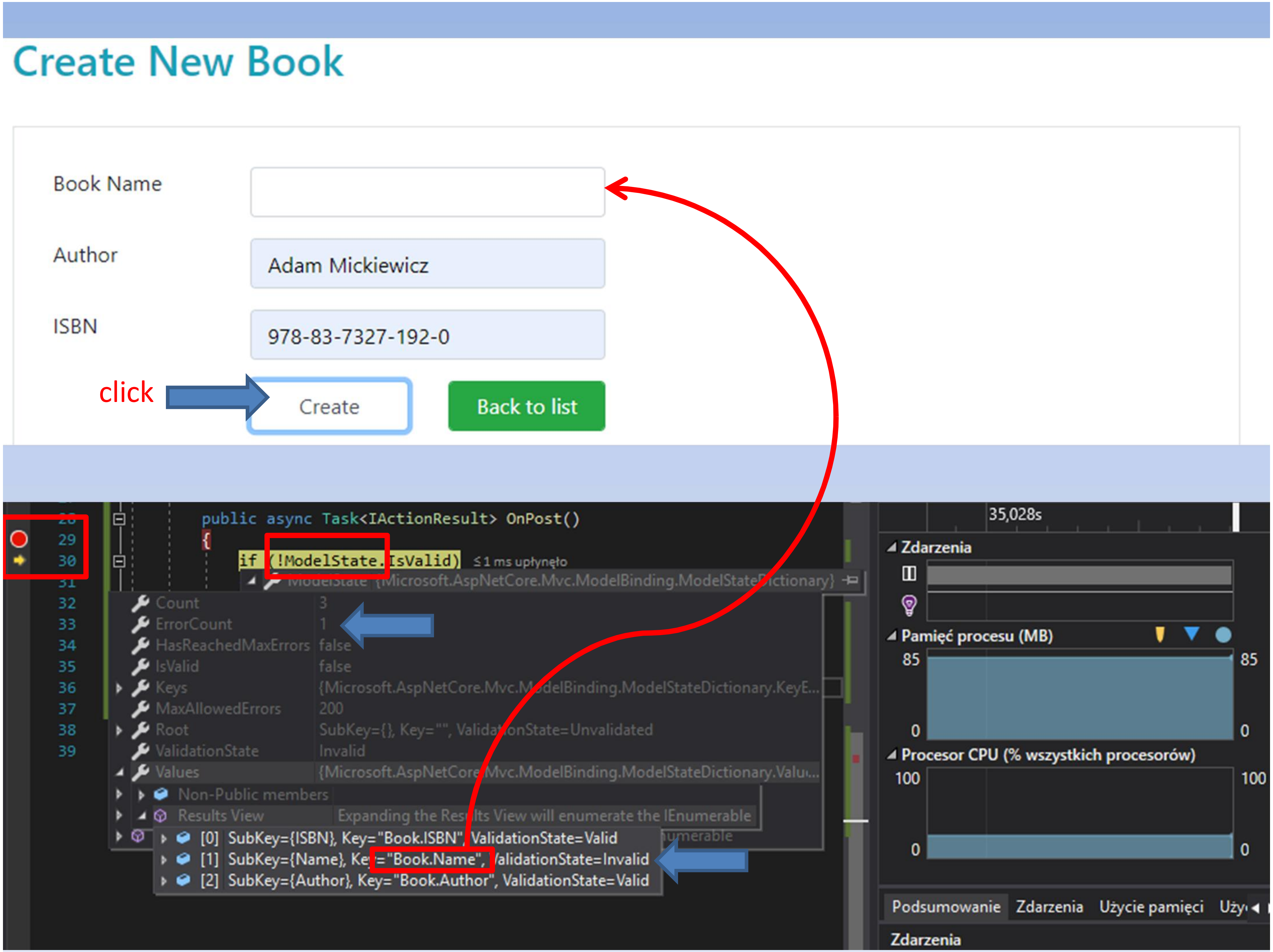
```
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.RazorPages;

namespace BookList.Pages.BookList
{
    public class CreateModel : PageModel
    {
        private readonly ApplicationDbContext _db;

        public CreateModel(ApplicationDbContext db)
        {
            _db = db;
        }

        [BindProperty]
        public Book Book { get; set; }

        public void OnGet()
        {

        }

        public async Task<IActionResult> OnPost()
        {
            if (!ModelState.IsValid)
            {
                return Page();
            }
            _db.Book.Add(Book);
            await _db.SaveChangesAsync();
            return RedirectToPage("Index");
        }
    }
}
```

DB Context in CreateModel class

Here we can make changes on page load

If the form is not correct – return the same page

Else – add Book and go to Index page



Create New Book

Book Name	
Author	Adam Mickiewicz
ISBN	978-83-7327-192-0

click

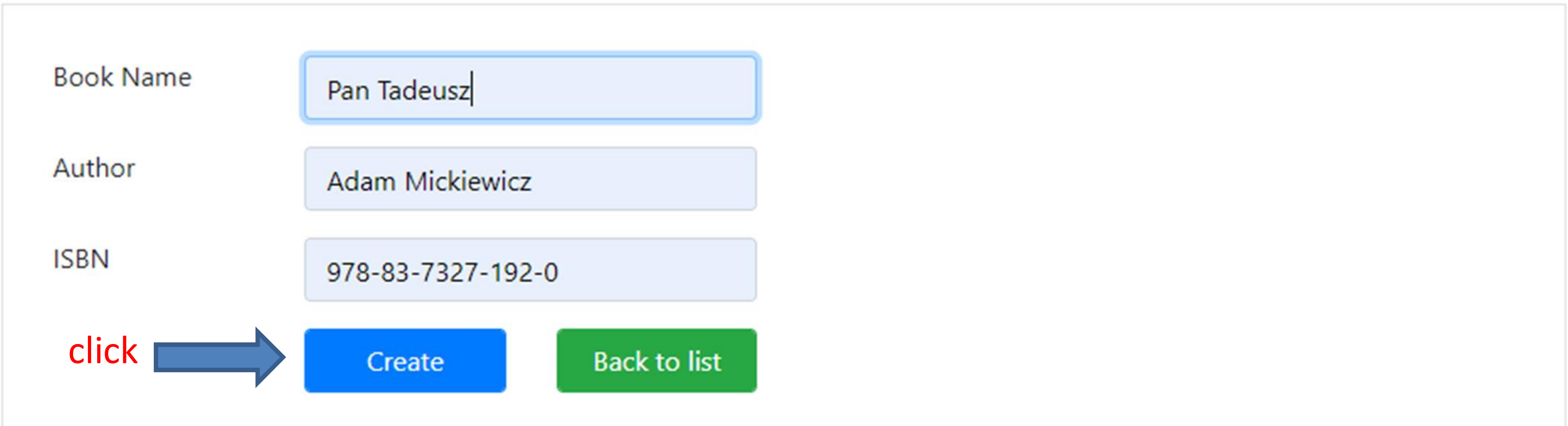
Create

Back to list

```
public async Task<IActionResult> OnPost()
{
    if (!ModelState.IsValid)  ≤1 ms upłynęło
```

```
ModelState  {Microsoft.AspNetCore.Mvc.ModelBinding.ModelStateDictionary}
  Count                3
  ErrorCount           1
  HasReachedMaxErrors  false
  IsValid              false
  Keys                 {Microsoft.AspNetCore.Mvc.ModelBinding.ModelStateDictionary.KeyE...
  MaxAllowedErrors     200
  Root                 SubKey={}, Key="", ValidationState=Unvalidated
  ValidationState      Invalid
  Values               {Microsoft.AspNetCore.Mvc.ModelBinding.ModelStateDictionary.Valu...
    Non-Public members
    Results View       Expanding the Results View will enumerate the IEnumerable
      [0] SubKey={ISBN}, Key="Book.ISBN", ValidationState=Valid
      [1] SubKey={Name}, Key="Book.Name", ValidationState=Invalid
      [2] SubKey={Author}, Key="Book.Author", ValidationState=Valid
```

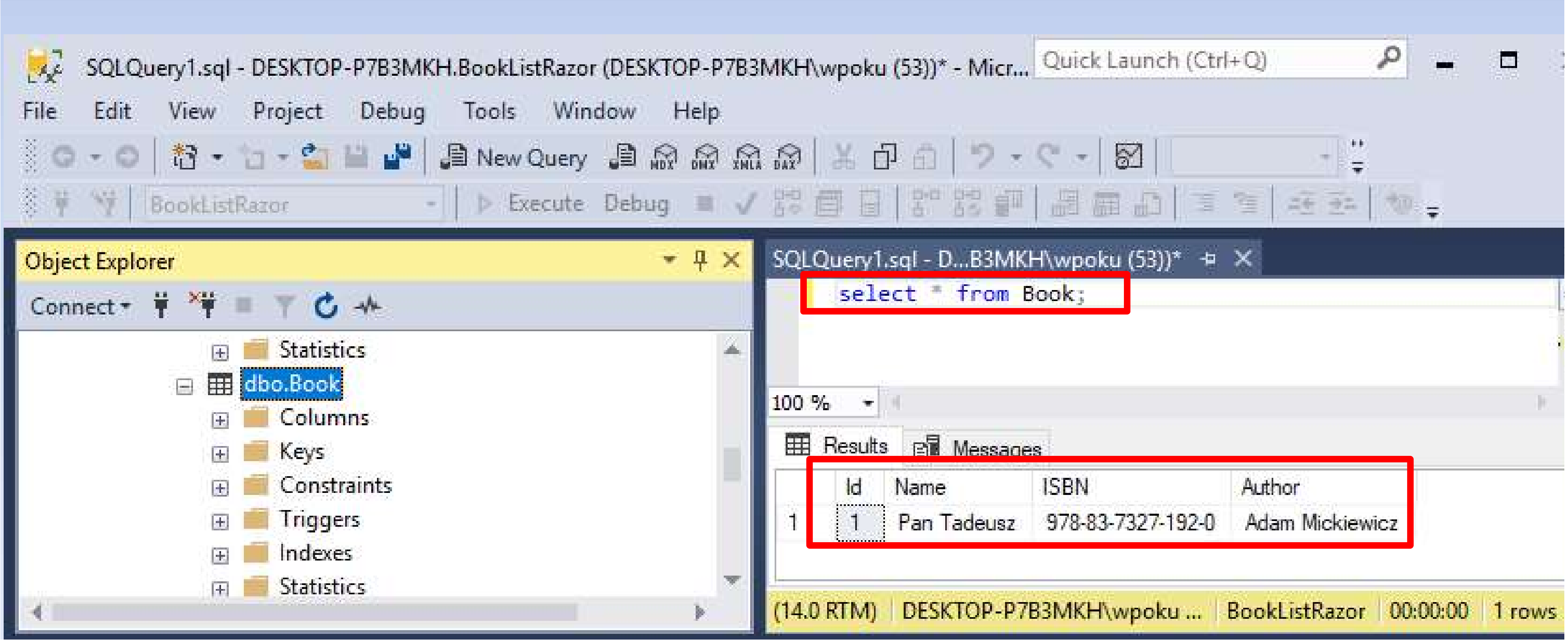
Create New Book



Book Name: Pan Tadeusz

Author: Adam Mickiewicz

ISBN: 978-83-7327-192-0



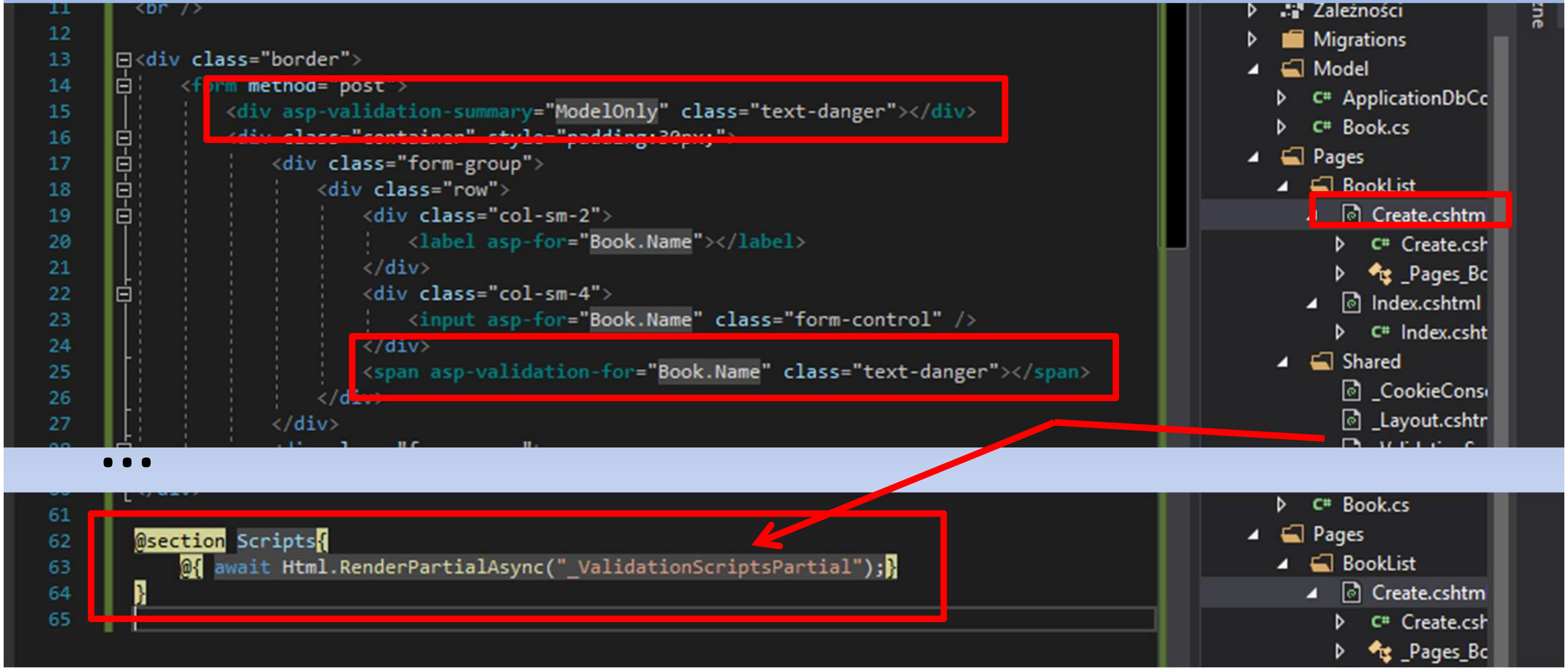
SQLQuery1.sql - DESKTOP-P7B3MKH.BookListRazor (DESKTOP-P7B3MKH\wpoku (53))* - Micr...

```sql
select * from Book;
```

	Id	Name	ISBN	Author
1	1	Pan Tadeusz	978-83-7327-192-0	Adam Mickiewicz

(14.0 RTM) | DESKTOP-P7B3MKH\wpoku ... | BookListRazor | 00:00:00 | 1 rows

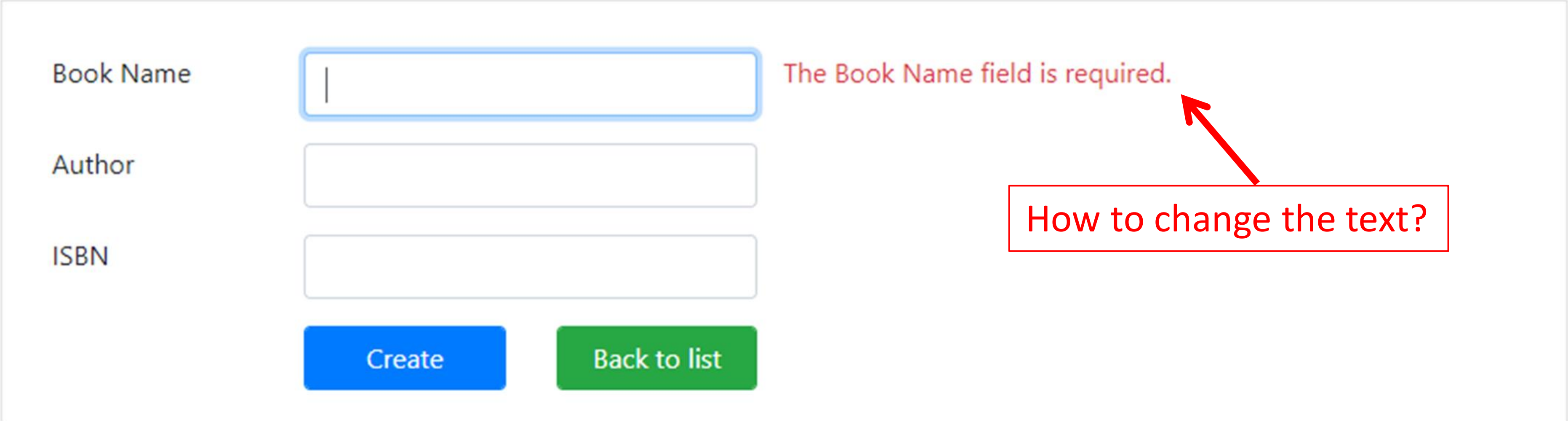
Validation



```
<br />

<div class="border">
    <form method="post">
        <div asp-validation-summary="ModelOnly" class="text-danger"></div>
        <div class="container" style="padding:30px;">
            <div class="form-group">
                <div class="row">
                    <div class="col-sm-2">
                        <label asp-for="Book.Name"></label>
                    </div>
                    <div class="col-sm-4">
                        <input asp-for="Book.Name" class="form-control" />
                    </div>
                    <span asp-validation-for="Book.Name" class="text-danger"></span>
                </div>
            </div>
```

...

```
@section Scripts{
    @{ await Html.RenderPartialAsync("_ValidationScriptsPartial");}
}
```



Book Name

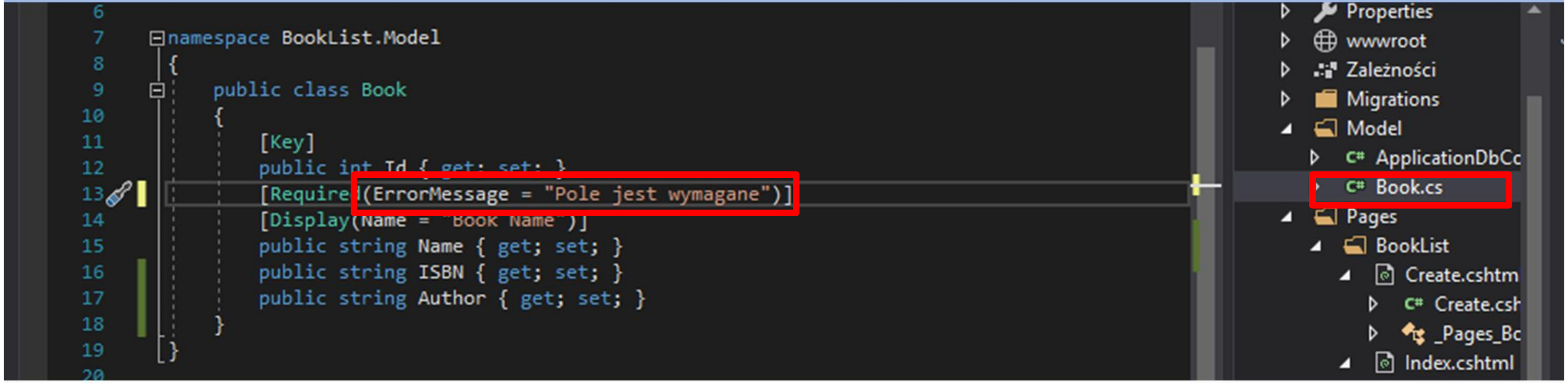
The Book Name field is required.

Author

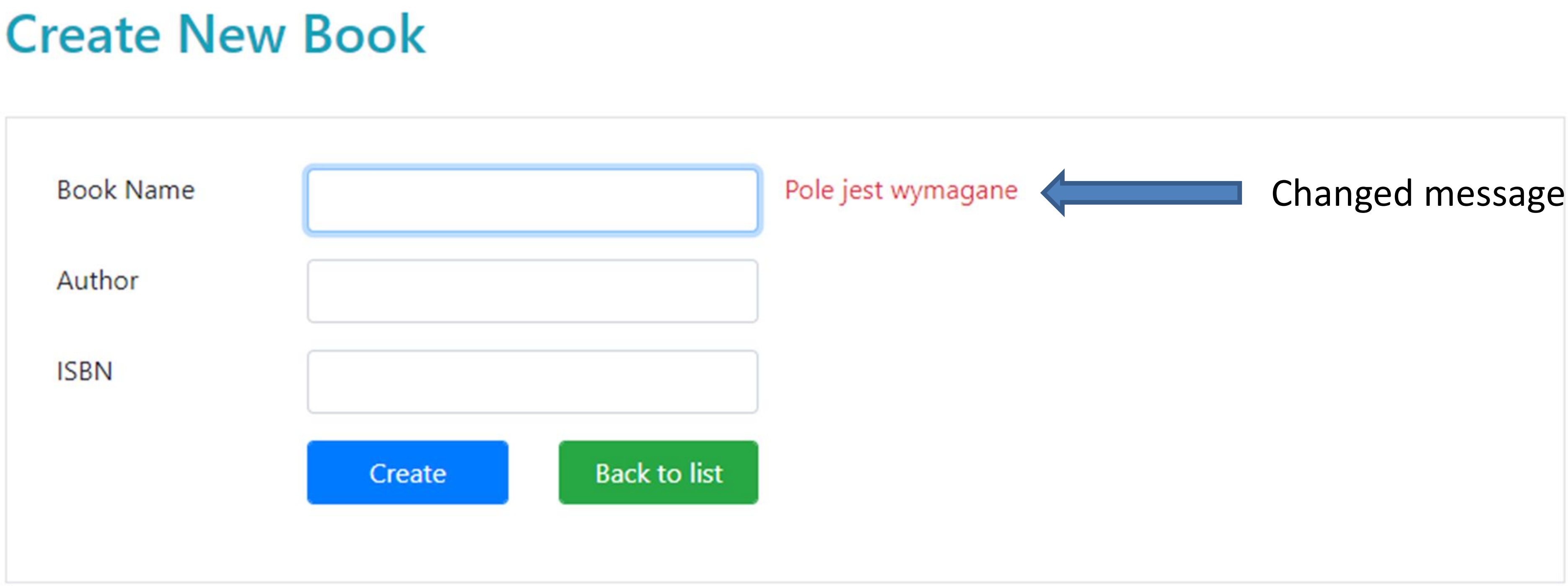
ISBN

How to change the text?

Error message change



```
namespace BookList.Model
{
    public class Book
    {
        [Key]
        public int Id { get; set; }
        [Required(ErrorMessage = "Pole jest wymagane")]
        [Display(Name = "Book Name")]
        public string Name { get; set; }
        public string ISBN { get; set; }
        public string Author { get; set; }
    }
}
```



Create New Book

Book Name

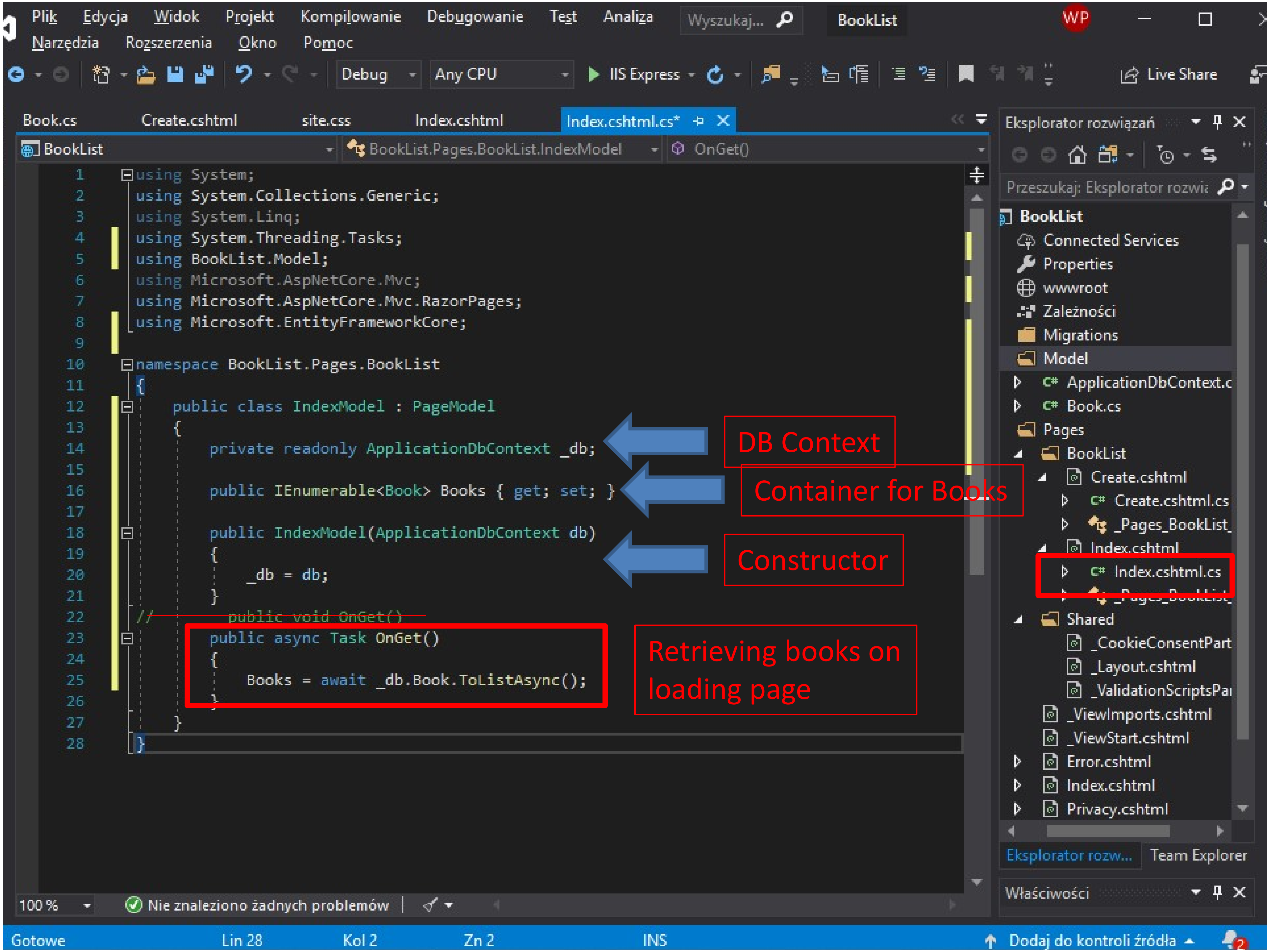
Pole jest wymagane

Changed message

Author

ISBN

Retrieving „Books” from DB



```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using BookList.Model;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.RazorPages;
using Microsoft.EntityFrameworkCore;

namespace BookList.Pages.BookList
{
    public class IndexModel : PageModel
    {
        private readonly ApplicationDbContext _db;

        public IEnumerable<Book> Books { get; set; }

        public IndexModel(ApplicationDbContext db)
        {
            _db = db;
        }
//        public void OnGet()
        public async Task OnGet()
        {
            Books = await _db.Book.ToListAsync();
        }
    }
}
```

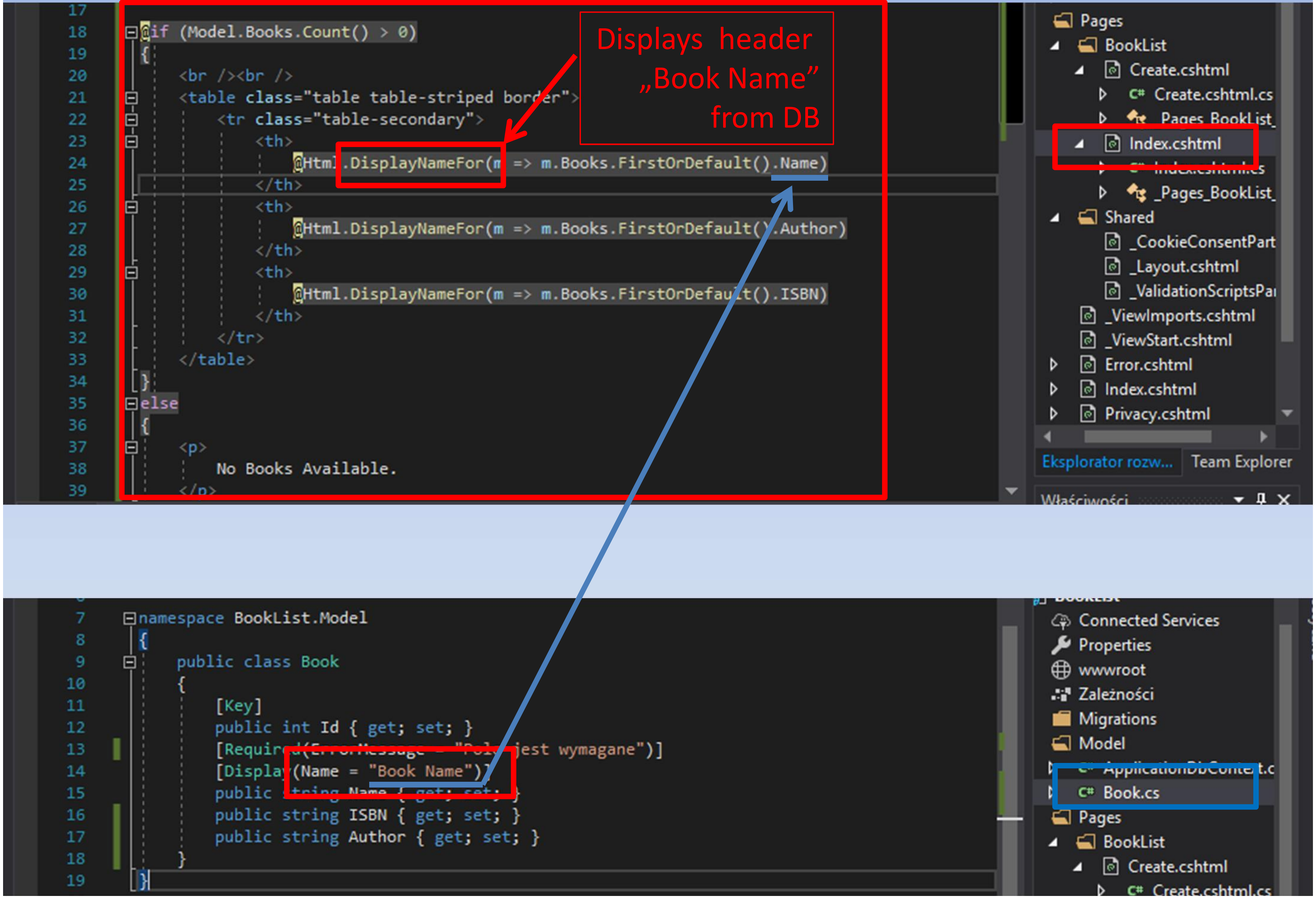
DB Context

Container for Books

Constructor

Retrieving books on loading page

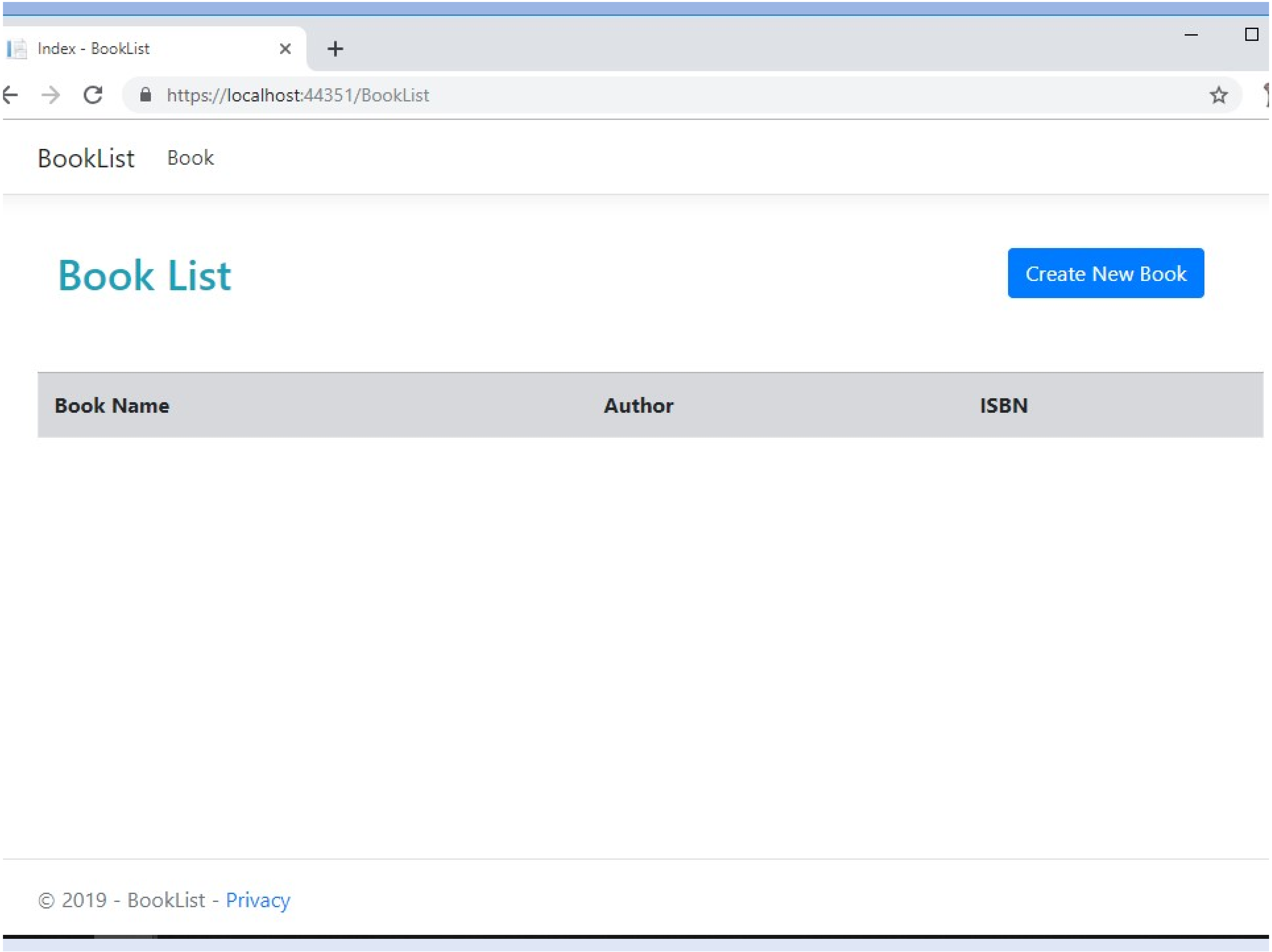
Table header



Displays header „Book Name” from DB

```
@if (Model.Books.Count() > 0)
{
    <br /><br />
    <table class="table table-striped border">
        <tr class="table-secondary">
            <th>
                @Html.DisplayNameFor(m => m.Books.FirstOrDefault().Name)
            </th>
            <th>
                @Html.DisplayNameFor(m => m.Books.FirstOrDefault().Author)
            </th>
            <th>
                @Html.DisplayNameFor(m => m.Books.FirstOrDefault().ISBN)
            </th>
        </tr>
    </table>
}
else
{
    <p>
        No Books Available.
    </p>
```

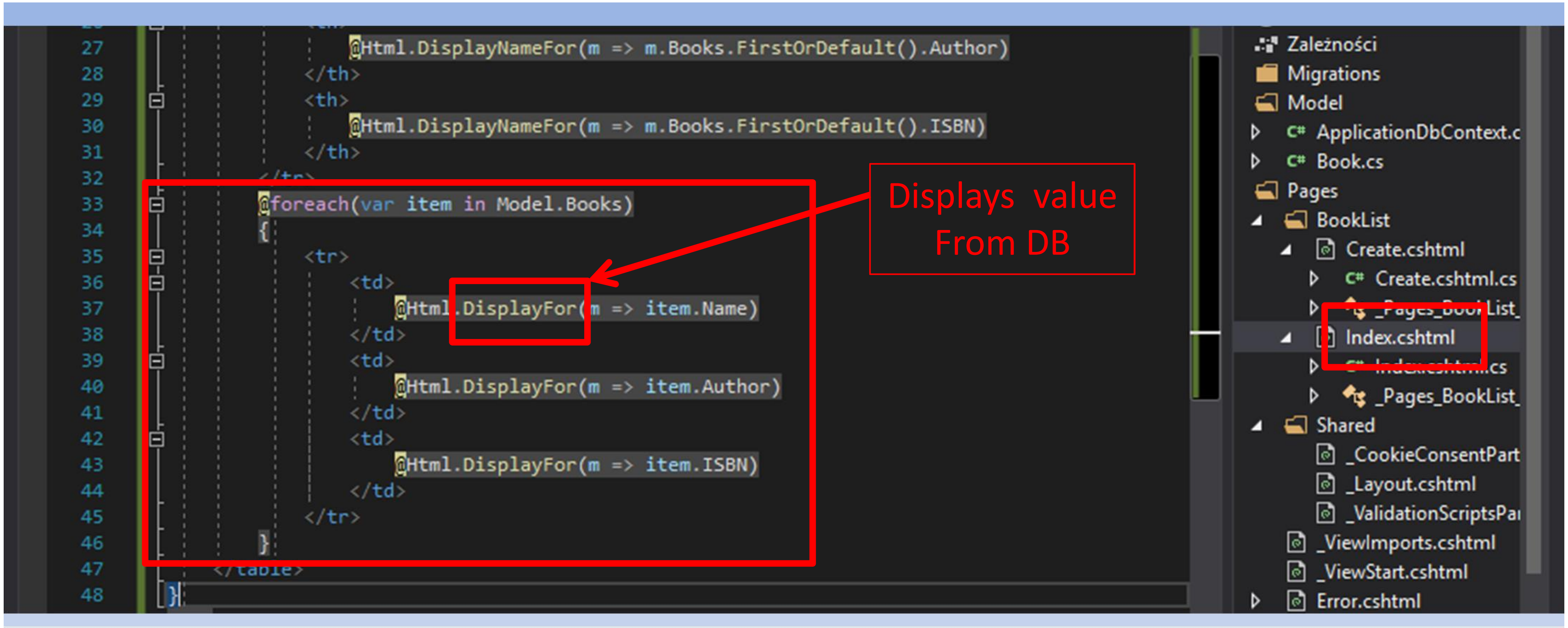
```
namespace BookList.Model
{
    public class Book
    {
        [Key]
        public int Id { get; set; }
        [Required(ErrorMessage = "Pole jest wymagane")]
        [Display(Name = "Book Name")]
        public string Name { get; set; }
        public string ISBN { get; set; }
        public string Author { get; set; }
    }
}
```



Book List

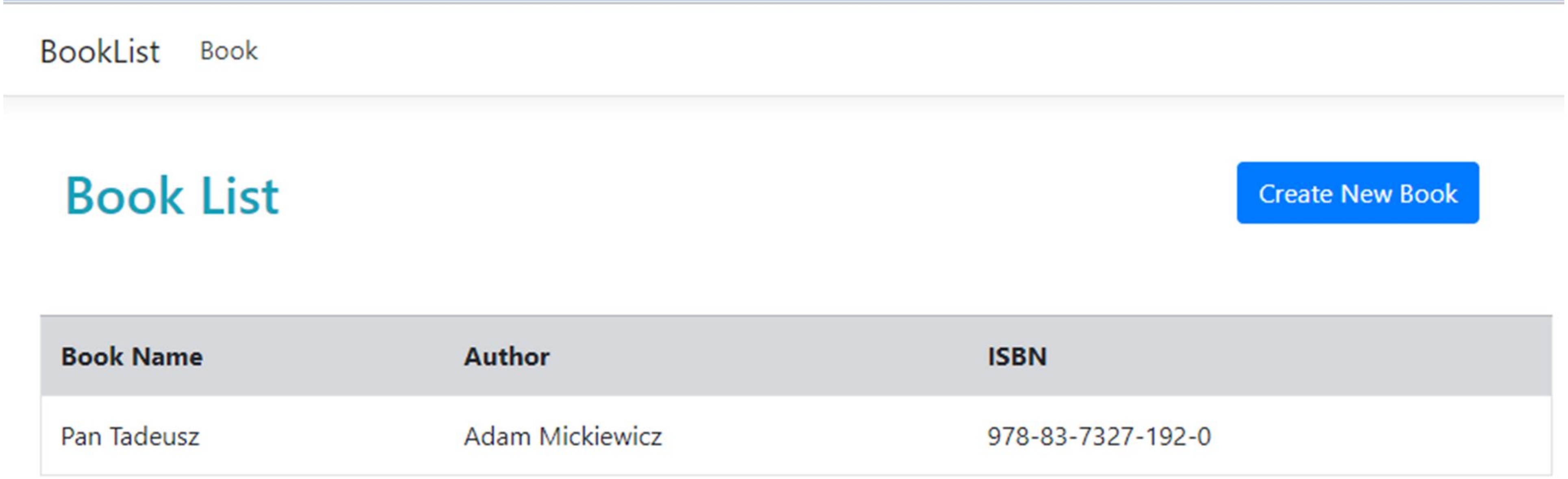
Book Name	Author	ISBN

© 2019 - BookList - Privacy



```
                @Html.DisplayNameFor(m => m.Books.FirstOrDefault().Author)
            </th>
            <th>
                @Html.DisplayNameFor(m => m.Books.FirstOrDefault().ISBN)
            </th>
        </tr>
        @foreach(var item in Model.Books)
        {
            <tr>
                <td>
                    @Html.DisplayFor(m => item.Name)
                </td>
                <td>
                    @Html.DisplayFor(m => item.Author)
                </td>
                <td>
                    @Html.DisplayFor(m => item.ISBN)
                </td>
            </tr>
        }
    </table>
}
```

Displays value From DB



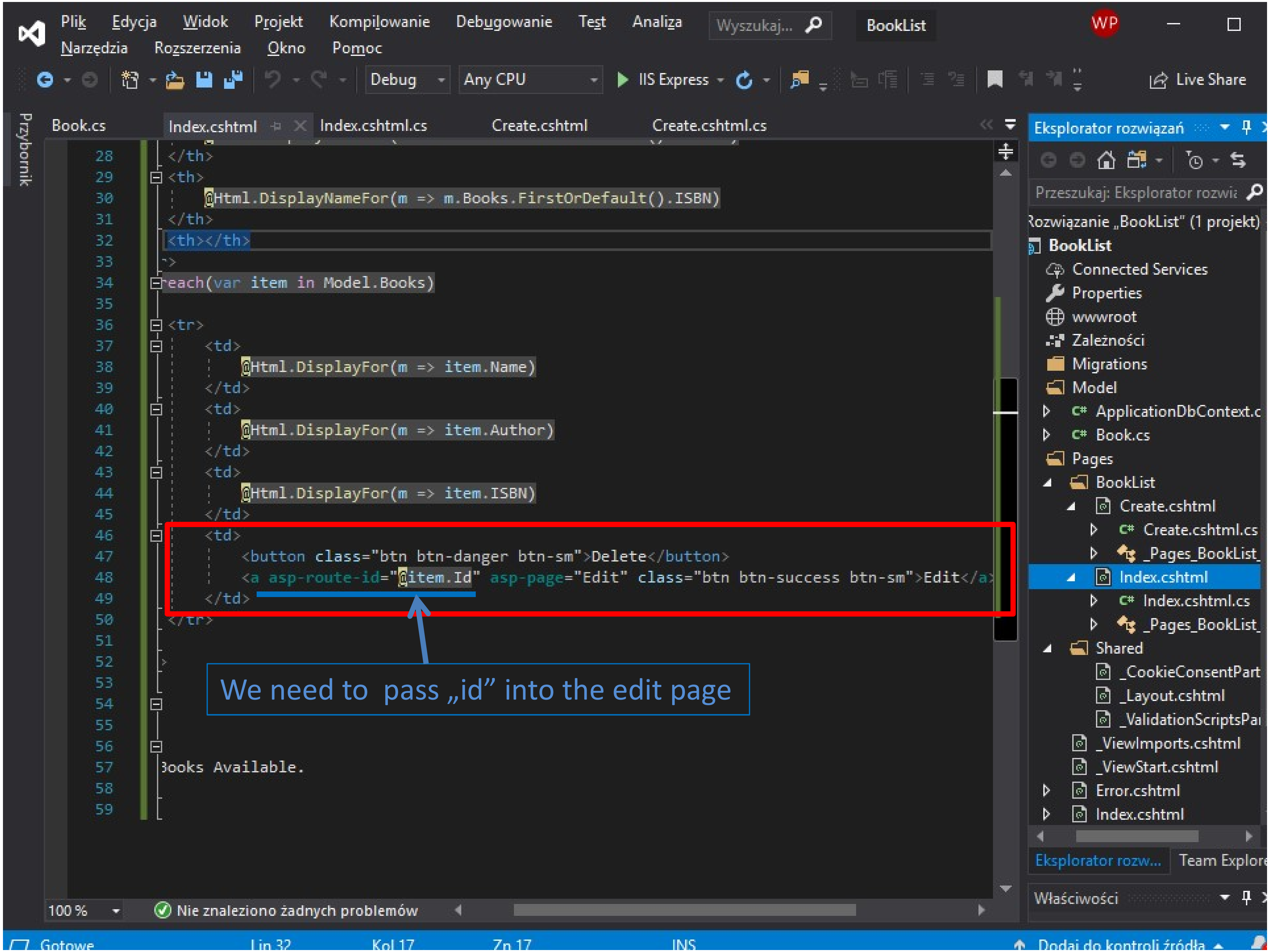
BookList   Book

Book List

Create New Book

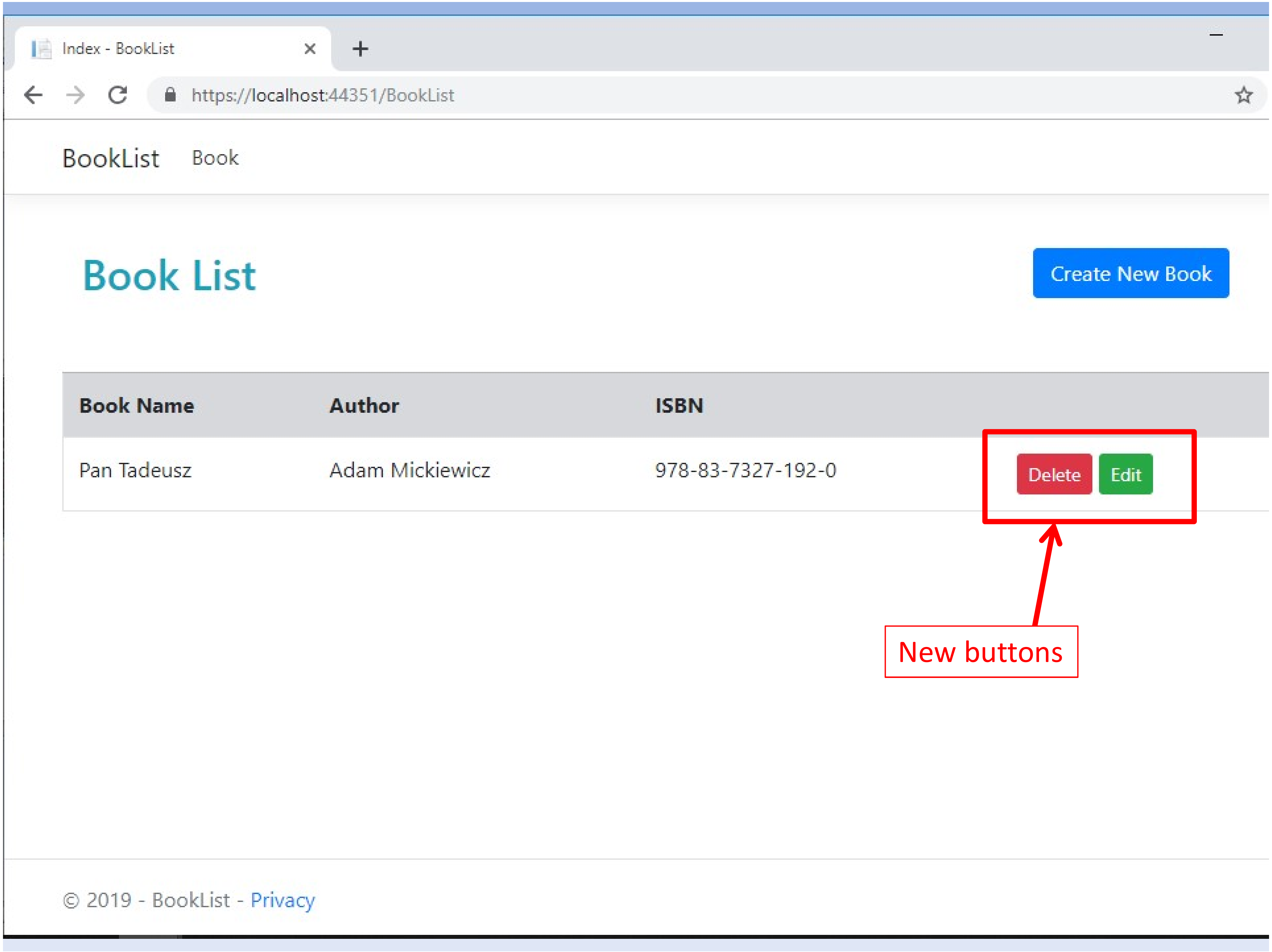
Book Name	Author	ISBN
Pan Tadeusz	Adam Mickiewicz	978-83-7327-192-0

Edit & Delete buttons



```
</th>
<th>
    @Html.DisplayNameFor(m => m.Books.FirstOrDefault().ISBN)
</th>
<th></th>
>
reach(var item in Model.Books)

<tr>
    <td>
        @Html.DisplayFor(m => item.Name)
    </td>
    <td>
        @Html.DisplayFor(m => item.Author)
    </td>
    <td>
        @Html.DisplayFor(m => item.ISBN)
    </td>
    <td>
        <button class="btn btn-danger btn-sm">Delete</button>
        <a asp-route-id="@item.Id" asp-page="Edit" class="btn btn-success btn-sm">Edit</a
    </td>
</tr>

}



Books Available.
```

We need to pass „id" into the edit page



Book List

Book Name	Author	ISBN	
Pan Tadeusz	Adam Mickiewicz	978-83-7327-192-0	Delete Edit

New buttons

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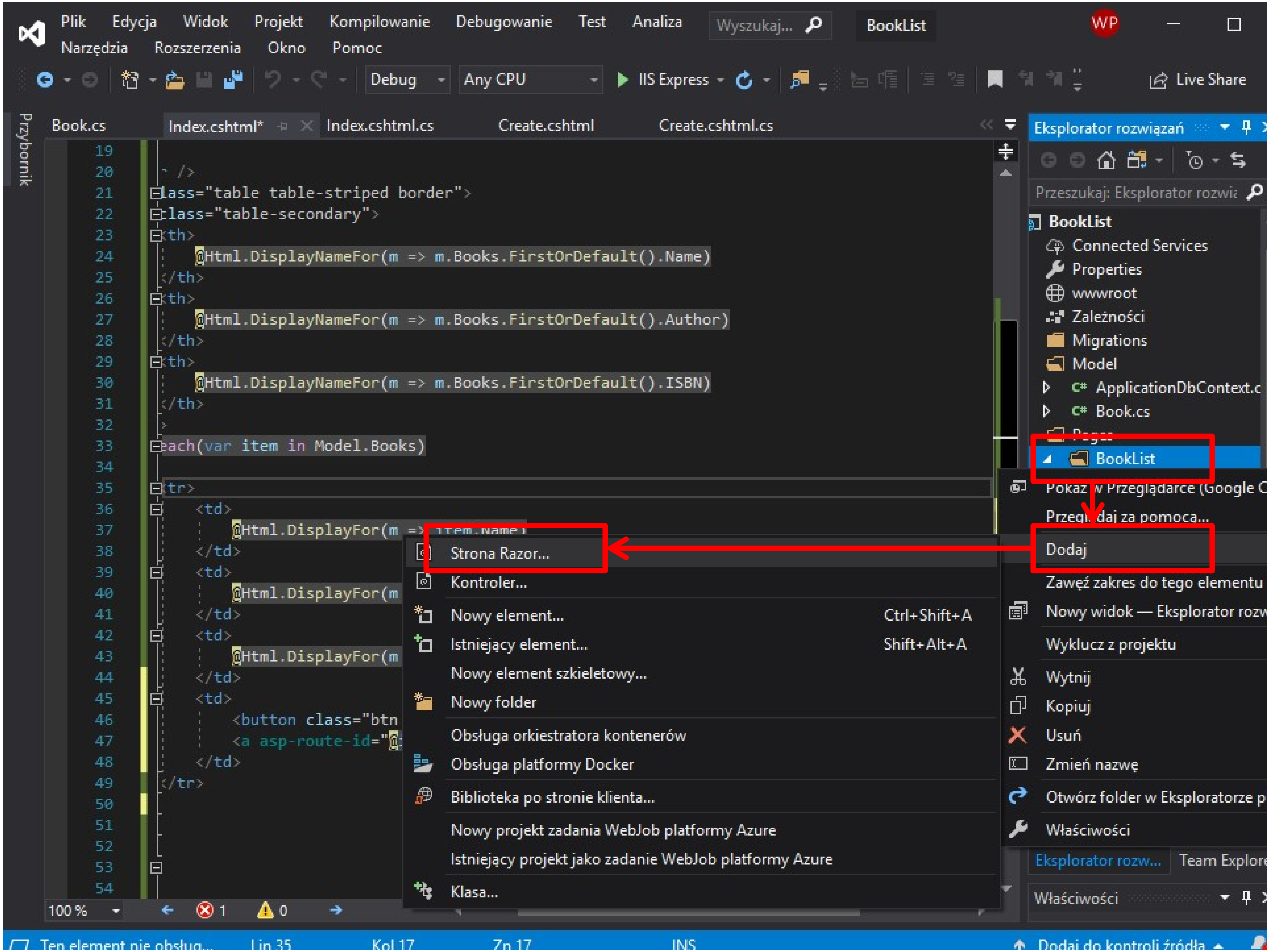
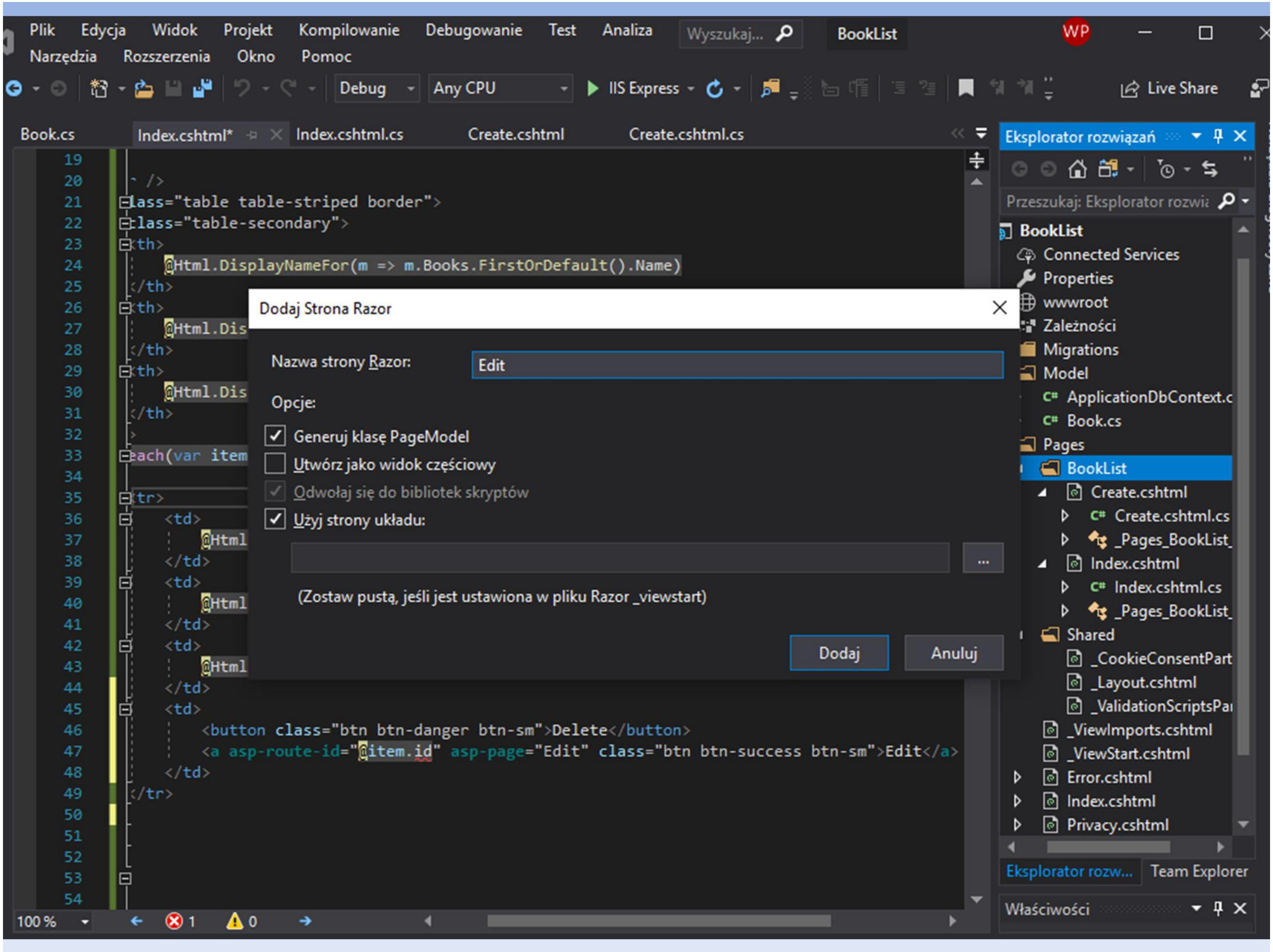
Edit page



```
 ' />
lass="table table-striped border">
lass="table-secondary">
th>
    @Html.DisplayNameFor(m => m.Books.FirstOrDefault().Name)
</th>
th>
    @Html.DisplayNameFor(m => m.Books.FirstOrDefault().Author)
</th>
th>
    @Html.DisplayNameFor(m => m.Books.FirstOrDefault().ISBN)
</th>
>
each(var item in Model.Books)

tr>
    <td>
        @Html.DisplayFor(m => item.Name)
    </td>
    <td>
        @Html.DisplayFor(m
    </td>
    <td>
        @Html.DisplayFor(m
    </td>
    <td>
        <button class="btn
        <a asp-route-id="@
    </td>
</tr>
```

Plik Edycja Widok Projekt Kompilowanie Debugowanie Test Analiza
Wyszukaj...
BookList
WP
Narzędzia Rozszerzenia Okno Pomoc
Debug
Any CPU
IIS Express
Live Share
Przybornik
Book.cs
Index.cshtml*
Index.cshtml.cs
Create.cshtml
Create.cshtml.cs
Eksplorator rozwiązań
Przeszukaj: Eksplorator rozwiązań
BookList
Connected Services
Properties
wwwroot
Zależności
Migrations
Model
ApplicationDbContext.c
Book.cs
Pages
BookList
Pokaż w Przeglądarce (Google C
Przeglądaj za pomocą...
Dodaj
Zawęź zakres do tego elementu
Nowy widok — Eksplorator rozw
Wyklucz z projektu
Wytnij
Kopiuj
Usuń
Zmień nazwę
Otwórz folder w Eksploratorze p
Właściwości
Strona Razor...
Kontroler...
Nowy element... Ctrl+Shift+A
Istniejący element... Shift+Alt+A
Nowy element szkieletowy...
Nowy folder
Obsługa orkiestratora kontenerów
Obsługa platformy Docker
Biblioteka po stronie klienta...
Nowy projekt zadania WebJob platformy Azure
Istniejący projekt jako zadanie WebJob platformy Azure
Klasa...
Eksplorator rozw...
Team Explore
Właściwości
100 %
1
0
Ten element nie obsług...
Lin 35
Kol 17
Zn 17
INS
Dodaj do kontroli źródła



```
~ />
lass="table table-striped border">
class="table-secondary">
th>
    @Html.DisplayNameFor(m => m.Books.FirstOrDefault().Name)
</th>
th>
    @Html.Dis
</th>
th>
    @Html.Dis
</th>
>
each(var item

tr>
    <td>
        @Html
    </td>
    <td>
        @Html
    </td>
    <td>
        @Html
    </td>
    <td>
        <button class="btn btn-danger btn-sm">Delete</button>
        <a asp-route-id="@item.id" asp-page="Edit" class="btn btn-success btn-sm">Edit</a>
    </td>
</tr>
```

Dodaj Strona Razor

Nazwa strony Razor: Edit

Opcje:

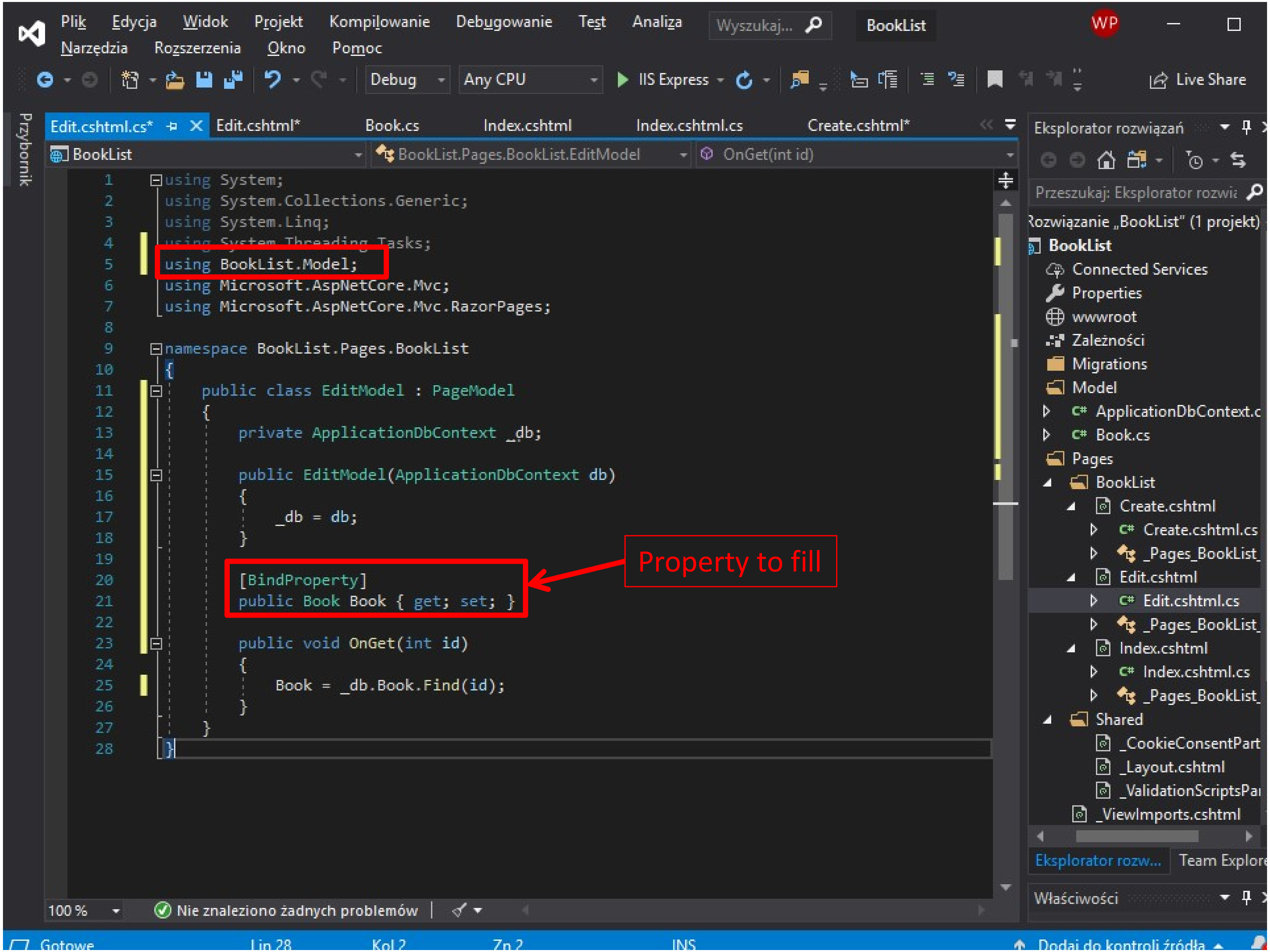
☑ Generuj klasę PageModel

☐ Utwórz jako widok częściowy

☑ Odwołaj się do bibliotek skryptów

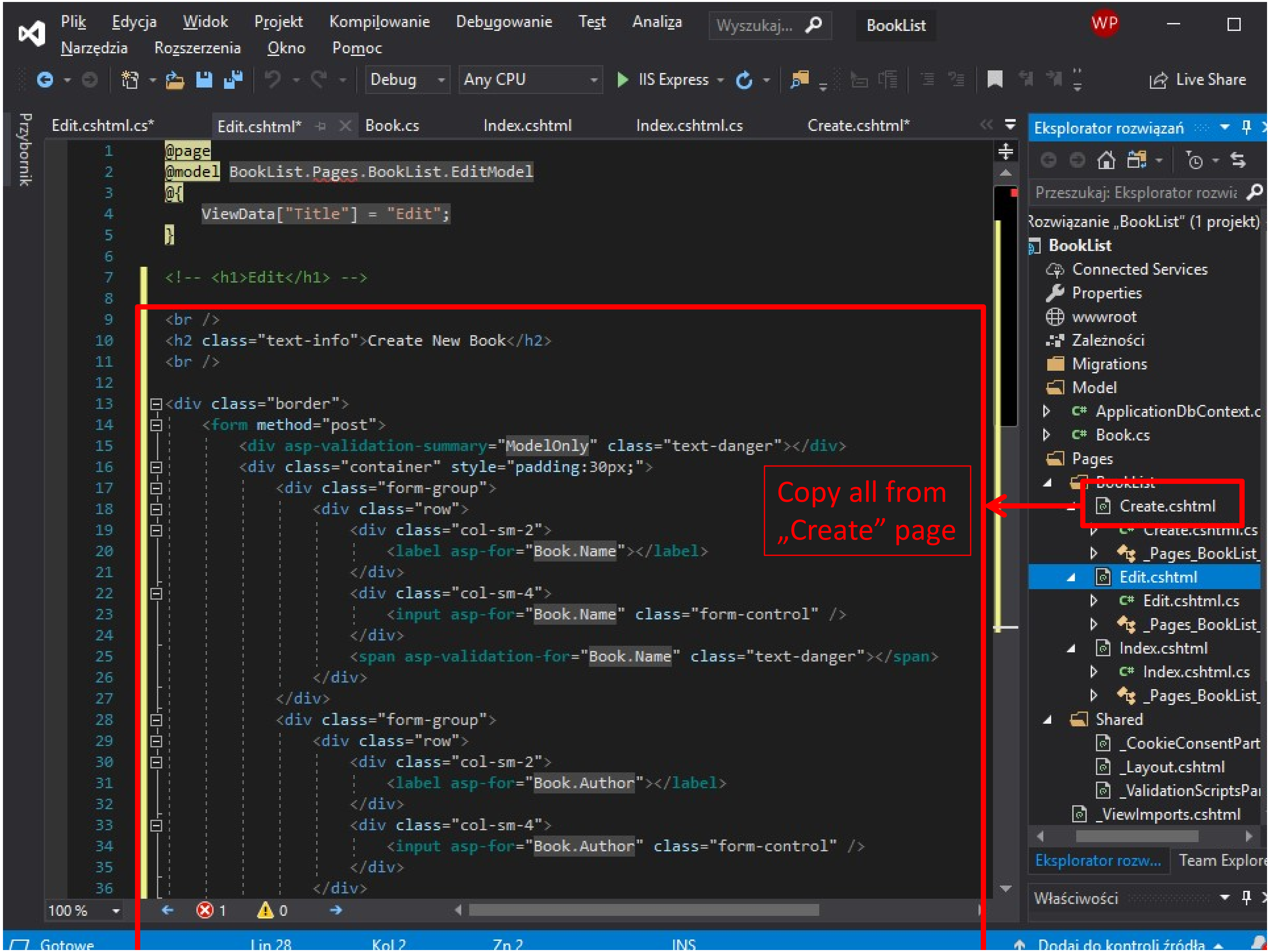
☑ Użyj strony układu:

(Zostaw pustą, jeśli jest ustawiona w pliku Razor _viewstart)



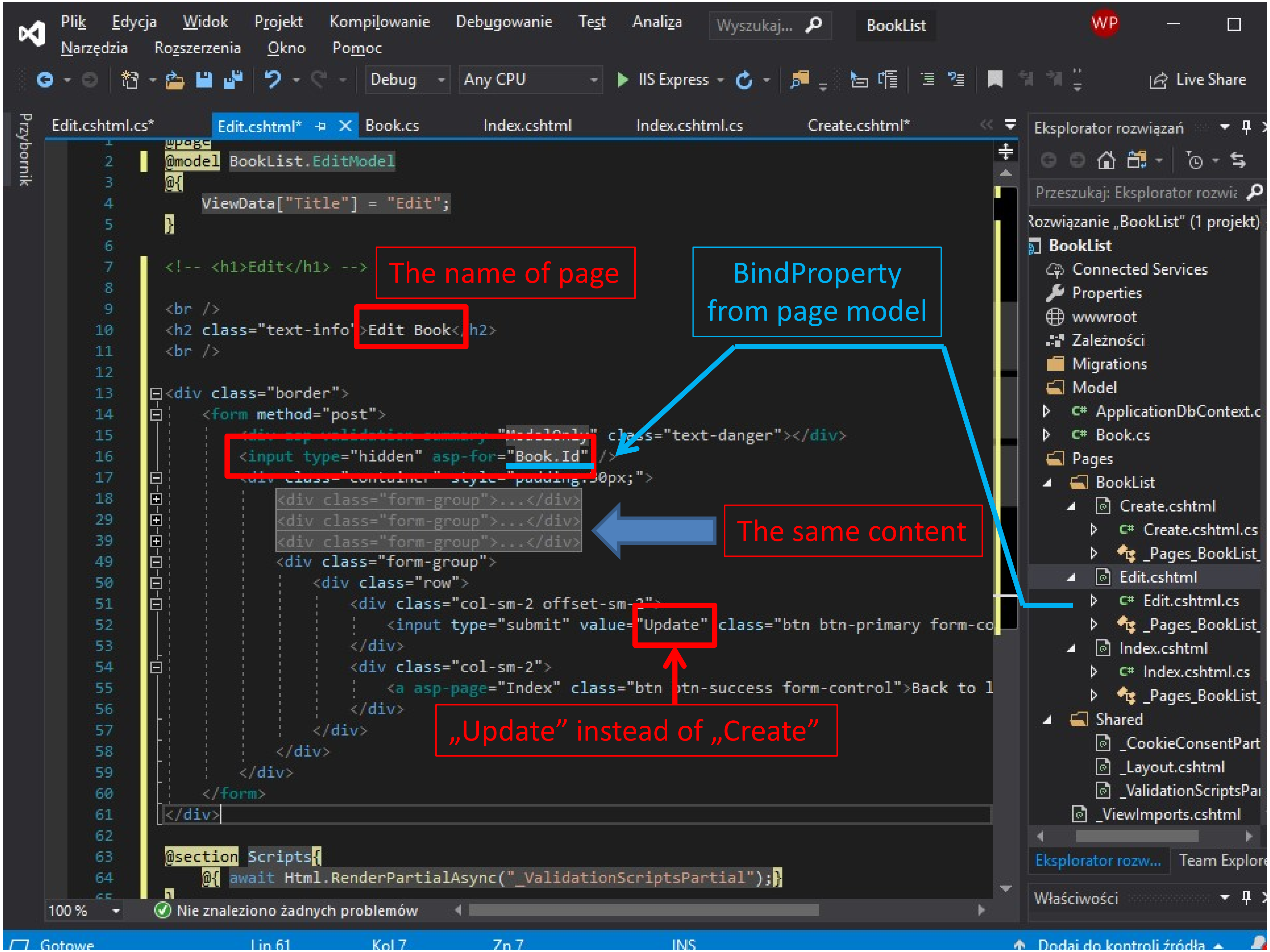
```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using BookList.Model;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.RazorPages;

namespace BookList.Pages.BookList
{
    public class EditModel : PageModel
    {
        private ApplicationDbContext _db;

        public EditModel(ApplicationDbContext db)
        {
            _db = db;
        }

        [BindProperty]
        public Book Book { get; set; }

        public void OnGet(int id)
        {
            Book = _db.Book.Find(id);
        }
    }
}
```

Property to fill



```
@page
@model BookList.Pages.BookList.EditModel
@{
    ViewData["Title"] = "Edit";
}

<!-- <h1>Edit</h1> -->

<br />
<h2 class="text-info">Create New Book</h2>
<br />

<div class="border">
    <form method="post">
        <div asp-validation-summary="ModelOnly" class="text-danger"></div>
        <div class="container" style="padding:30px;">
            <div class="form-group">
                <div class="row">
                    <div class="col-sm-2">
                        <label asp-for="Book.Name"></label>
                    </div>
                    <div class="col-sm-4">
                        <input asp-for="Book.Name" class="form-control" />
                    </div>
                    <span asp-validation-for="Book.Name" class="text-danger"></span>
                </div>
            </div>
            <div class="form-group">
                <div class="row">
                    <div class="col-sm-2">
                        <label asp-for="Book.Author"></label>
                    </div>
                    <div class="col-sm-4">
                        <input asp-for="Book.Author" class="form-control" />
                    </div>
                </div>
```

Copy all from „Create” page



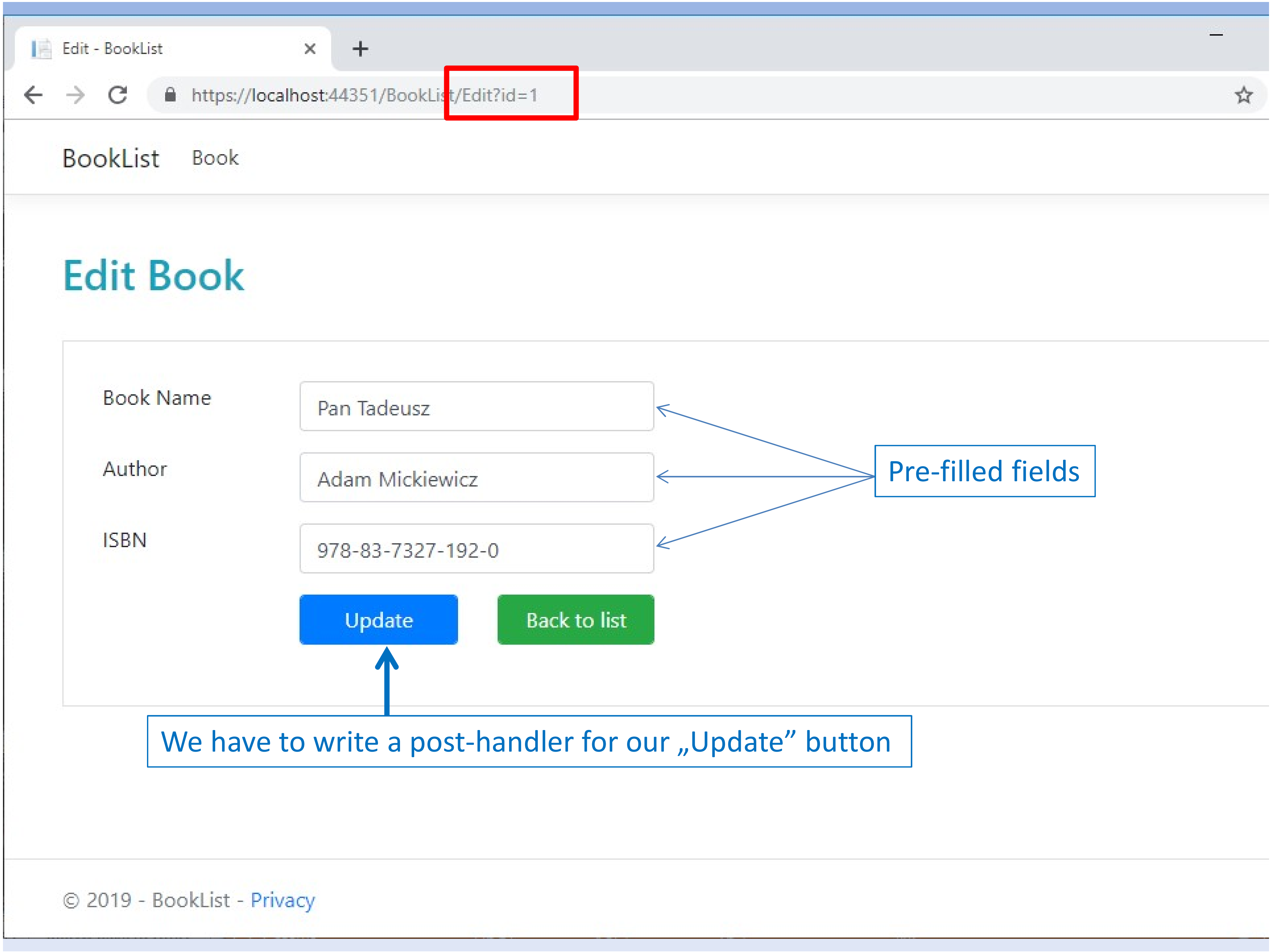
```
@page
@model BookList.EditModel
@{
    ViewData["Title"] = "Edit";
}

<!-- <h1>Edit</h1> -->

<br />
<h2 class="text-info">Edit Book</h2>
<br />

<div class="border">
    <form method="post">
        <div asp-validation-summary="ModelOnly" class="text-danger"></div>
        <input type="hidden" asp-for="Book.Id" />
        <div class="container" style="padding:30px;">
            <div class="form-group">...</div>
            <div class="form-group">...</div>
            <div class="form-group">...</div>
            <div class="form-group">
                <div class="row">
                    <div class="col-sm-2 offset-sm-2">
                        <input type="submit" value="Update" class="btn btn-primary form-co
                    </div>
                    <div class="col-sm-2">
                        <a asp-page="Index" class="btn btn-success form-control">Back to l
                    </div>
                </div>
            </div>
        </div>
    </form>
</div>

@section Scripts{
    @{ await Html.RenderPartialAsync("_ValidationScriptsPartial");}
}
```

The name of page

BindProperty from page model

The same content

„Update” instead of „Create”


Edit - BookList
https://localhost:44351/BookList/Edit?id=1
BookList
Book

Edit Book

Book Name: Pan Tadeusz

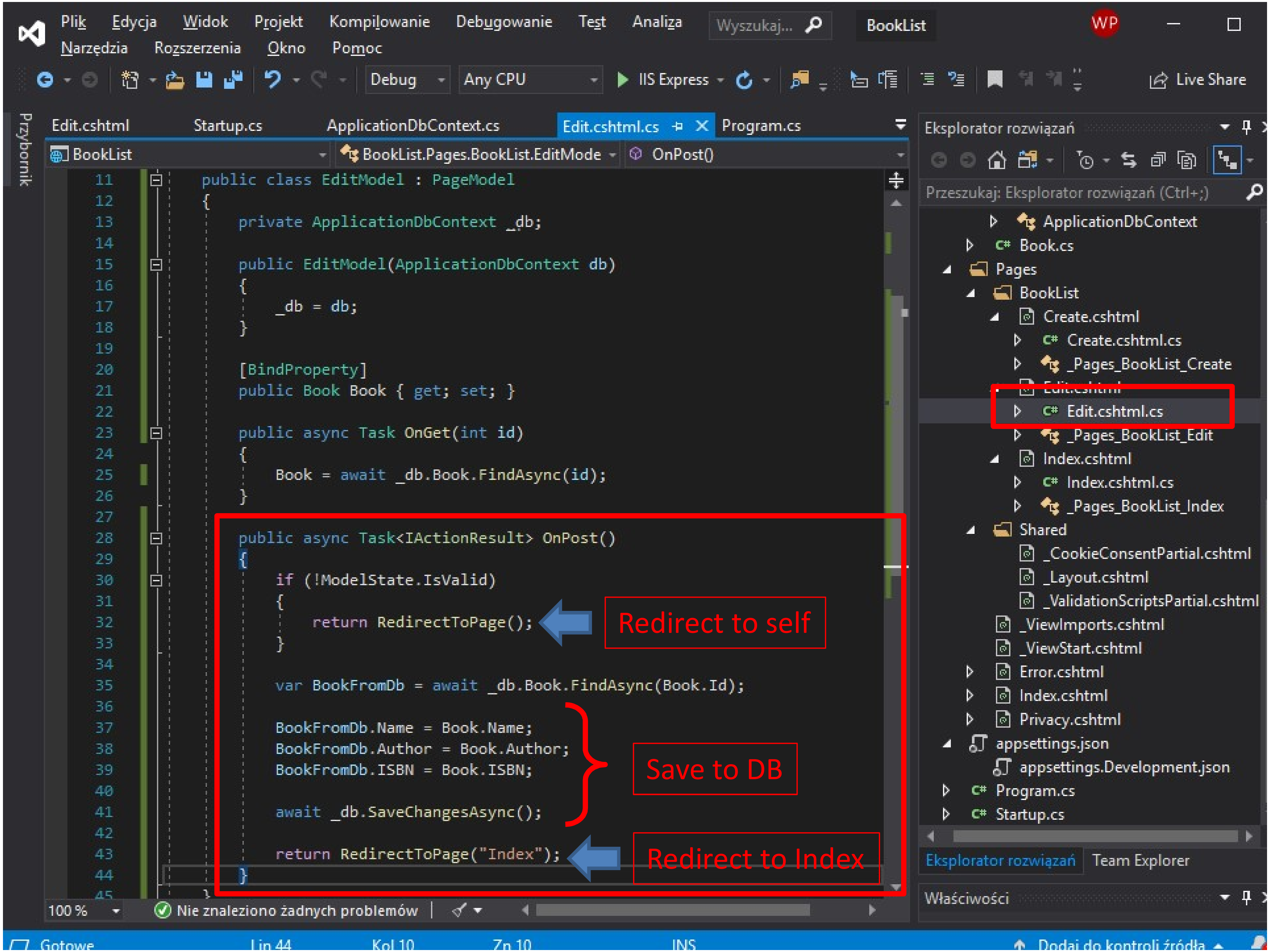
Author: Adam Mickiewicz

ISBN: 978-83-7327-192-0

Update
Back to list
© 2019 - BookList - Privacy

Pre-filled fields

We have to write a post-handler for our „Update” button

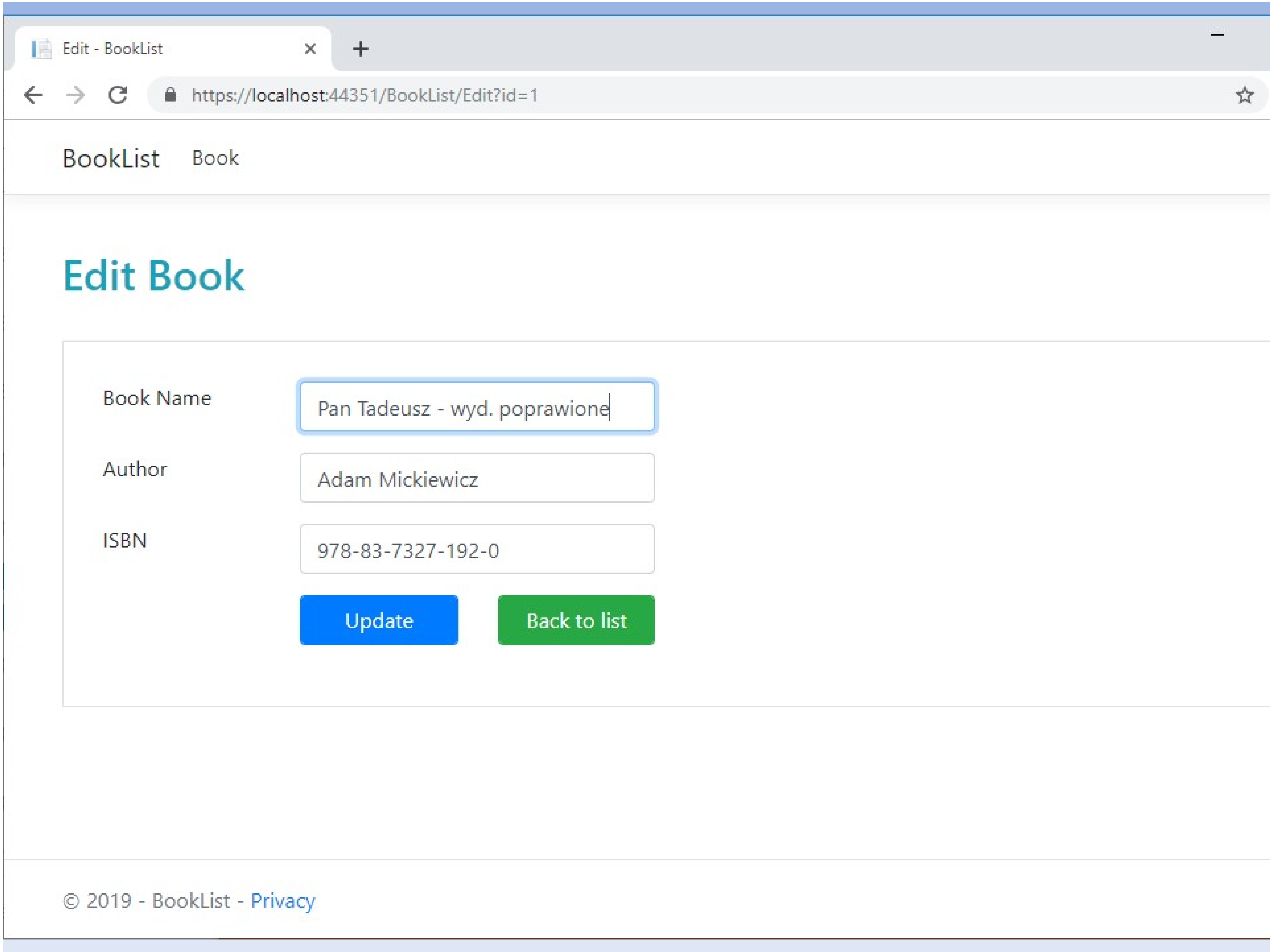


```
public class EditModel : PageModel
{
    private ApplicationDbContext _db;

    public EditModel(ApplicationDbContext db)
    {
        _db = db;
    }

    [BindProperty]
    public Book Book { get; set; }

    public async Task OnGet(int id)
    {
        Book = await _db.Book.FindAsync(id);
    }

    public async Task<IActionResult> OnPost()
    {
        if (!ModelState.IsValid)
        {
            return RedirectToPage();
        }

        var BookFromDb = await _db.Book.FindAsync(Book.Id);

        BookFromDb.Name = Book.Name;
        BookFromDb.Author = Book.Author;
        BookFromDb.ISBN = Book.ISBN;

        await _db.SaveChangesAsync();

        return RedirectToPage("Index");
    }
}
```

Redirect to self

Save to DB

Redirect to Index


Edit - BookList
https://localhost:44351/BookList/Edit?id=1
BookList
Book

Edit Book

Book Name: Pan Tadeusz - wyd. poprawione

Author: Adam Mickiewicz

ISBN: 978-83-7327-192-0

Update
Back to list
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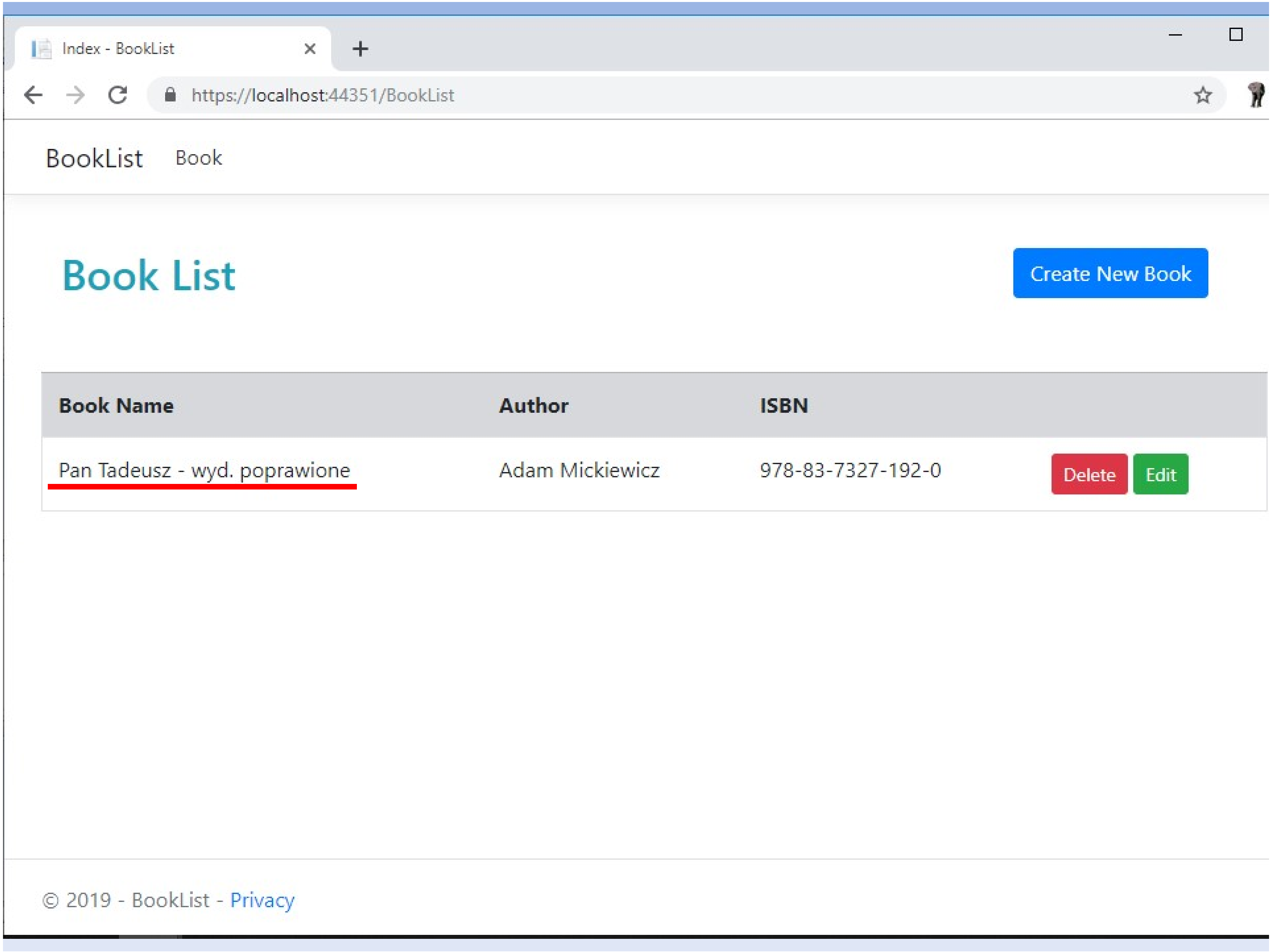
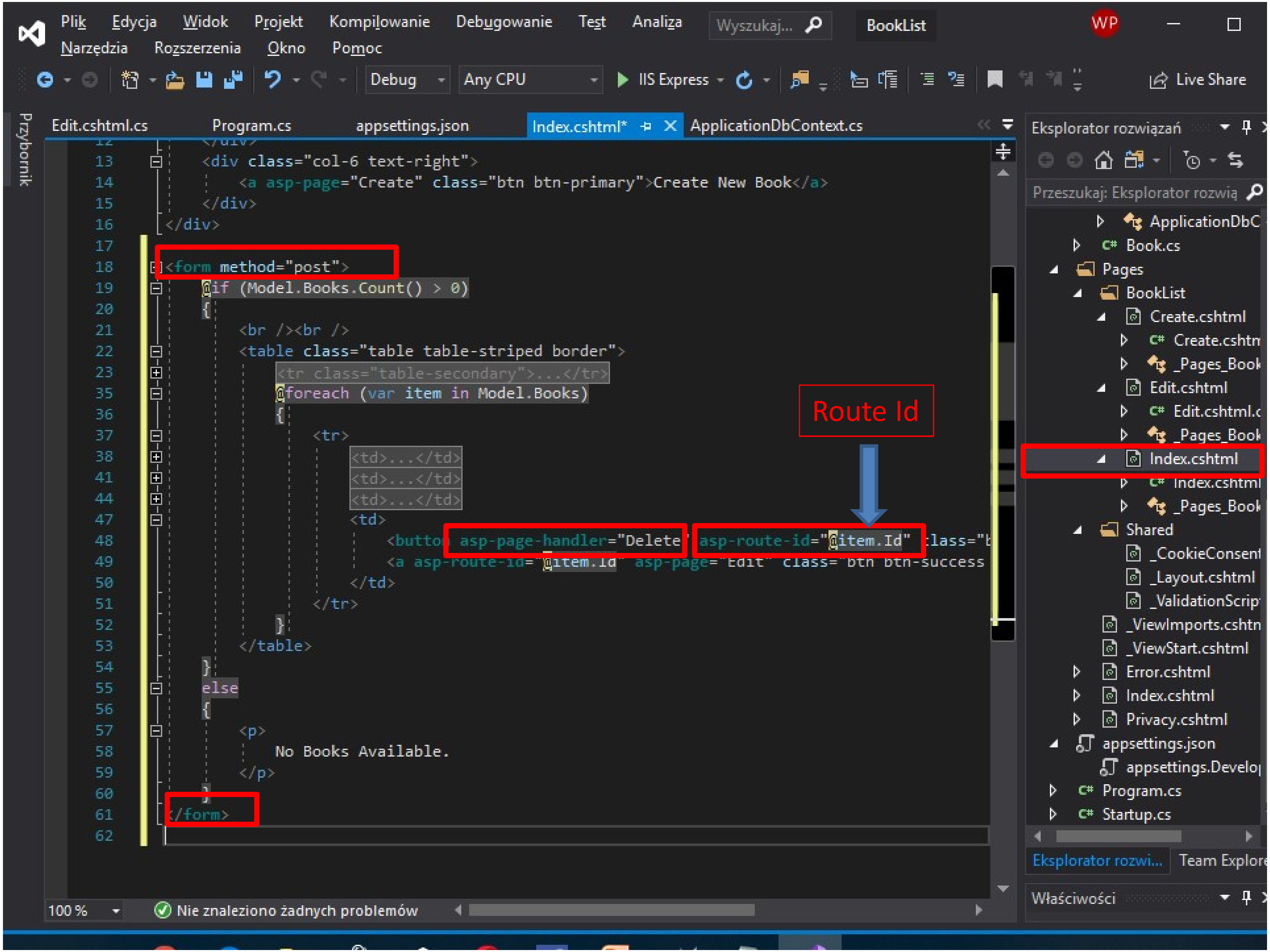


Book List

Book Name	Author	ISBN
Pan Tadeusz - wyd. poprawione	Adam Mickiewicz	978-83-7327-192-0

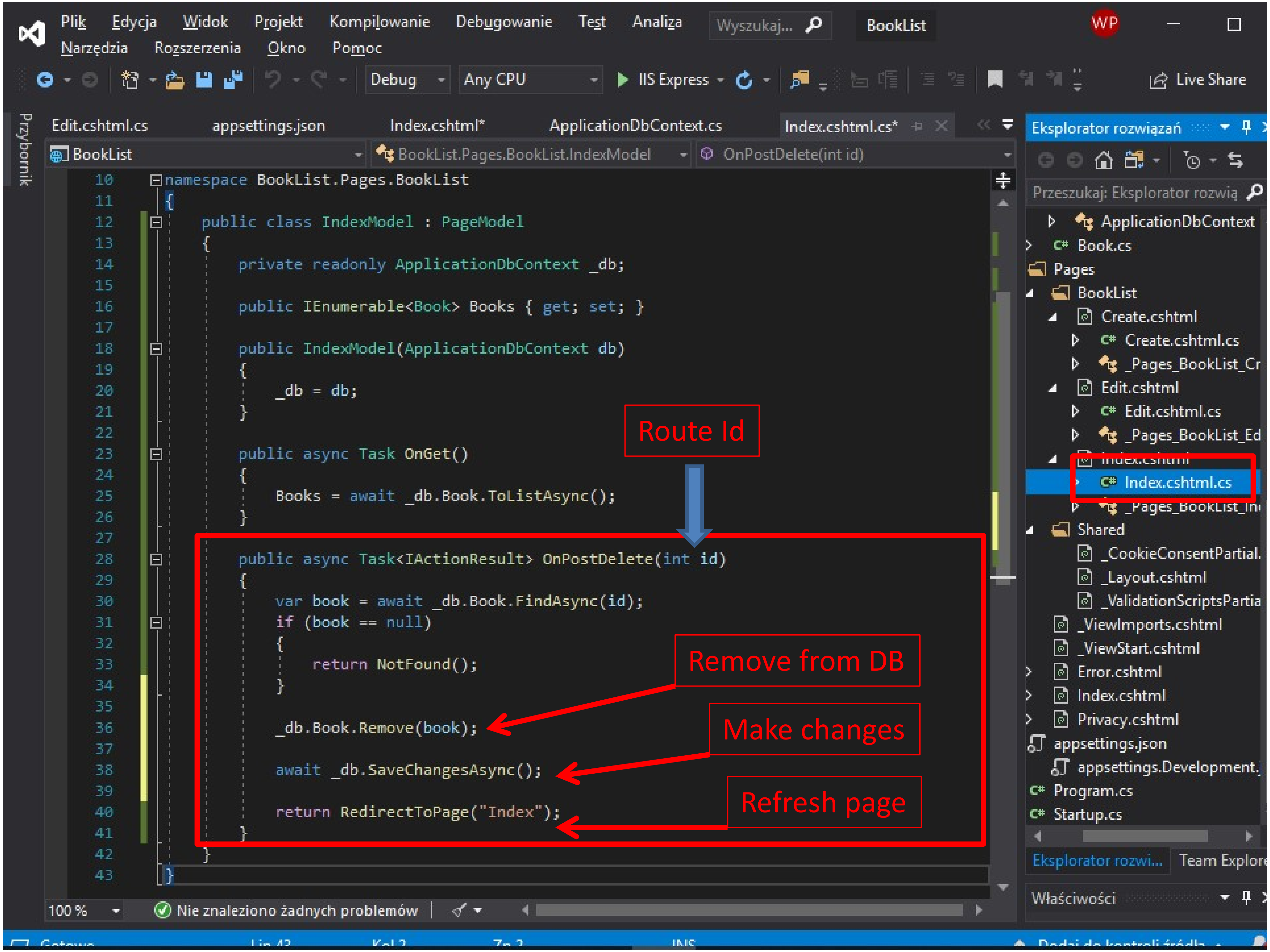
© 2019 - BookList - Privacy

Delete book



```
        </div>
        <div class="col-6 text-right">
            <a asp-page="Create" class="btn btn-primary">Create New Book</a>
        </div>
    </div>

<form method="post">
    @if (Model.Books.Count() > 0)
    {
        <br /><br />
        <table class="table table-striped border">
            <tr class="table-secondary">...</tr>
            @foreach (var item in Model.Books)
            {
                <tr>
                    <td>...</td>
                    <td>...</td>
                    <td>...</td>
                    <td>
                        <button asp-page-handler="Delete" asp-route-id="@item.Id" class="b
                        <a asp-route-id="@item.Id" asp-page="Edit" class="btn btn-success
                    </td>
                </tr>
            }
        </table>
    }
    else
    {
        <p>
            No Books Available.
        </p>
    }
</form>
```

Nie znaleziono żadnych problemów



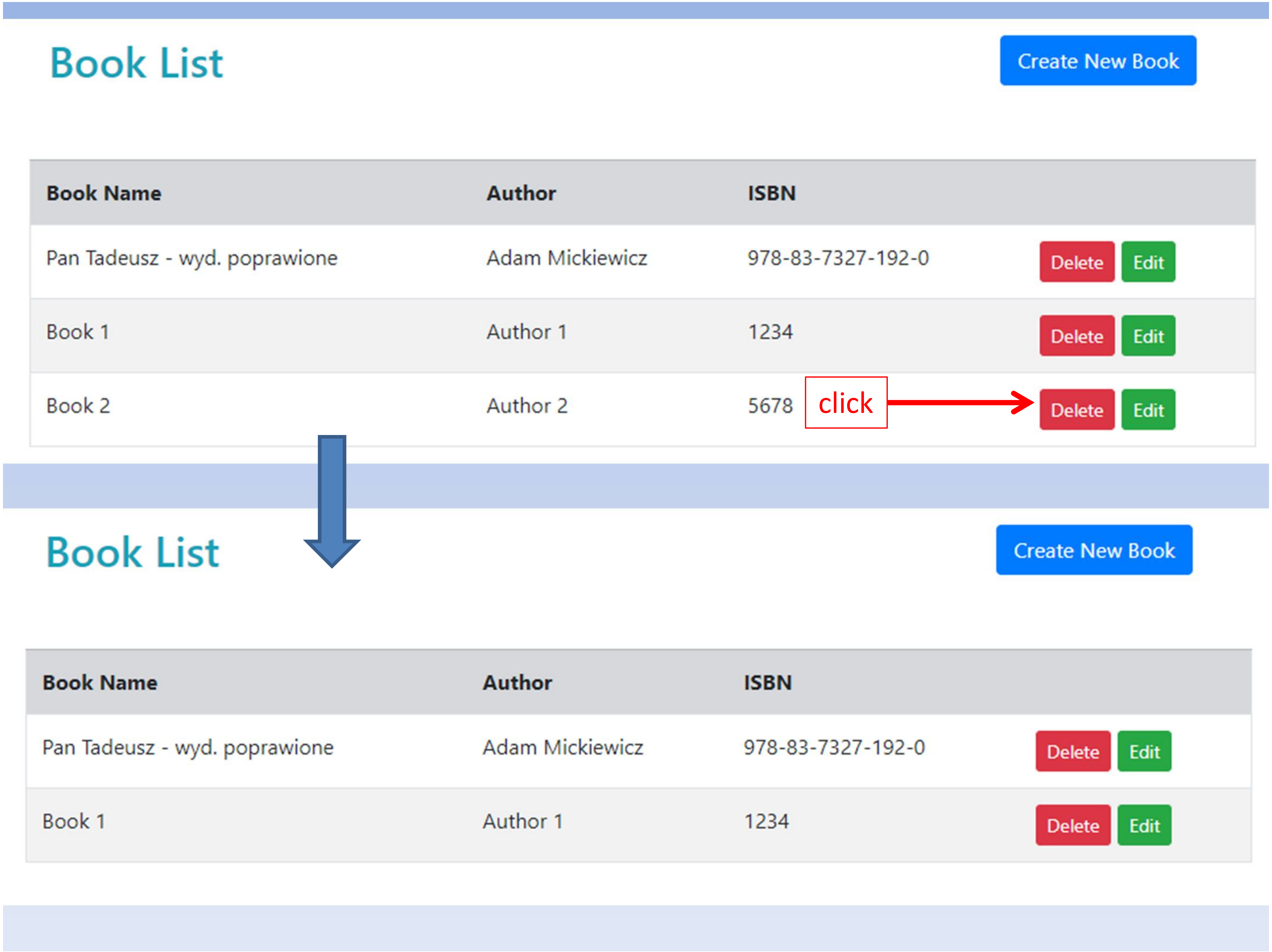
```
namespace BookList.Pages.BookList
{
    public class IndexModel : PageModel
    {
        private readonly ApplicationDbContext _db;

        public IEnumerable<Book> Books { get; set; }

        public IndexModel(ApplicationDbContext db)
        {
            _db = db;
        }

        public async Task OnGet()
        {
            Books = await _db.Book.ToListAsync();
        }

        public async Task<IActionResult> OnPostDelete(int id)
        {
            var book = await _db.Book.FindAsync(id);
            if (book == null)
            {
                return NotFound();
            }

            _db.Book.Remove(book);

            await _db.SaveChangesAsync();

            return RedirectToPage("Index");
        }
    }
}
```

Route Id

Remove from DB

Make changes

Refresh page



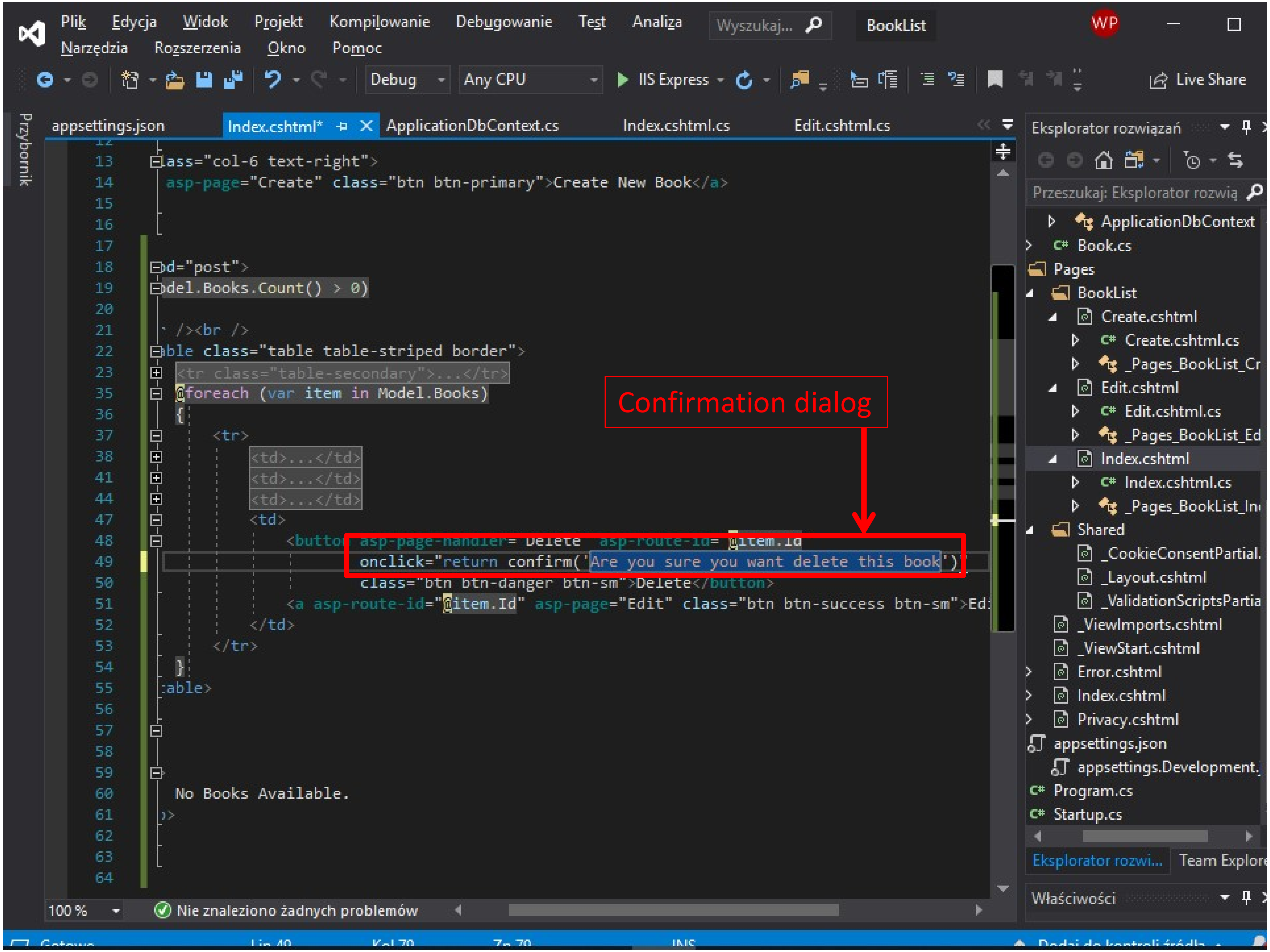
Book List

Book Name	Author	ISBN	
Pan Tadeusz - wyd. poprawione	Adam Mickiewicz	978-83-7327-192-0	Delete Edit
Book 1	Author 1	1234	Delete Edit
Book 2	Author 2	5678	Delete Edit

click

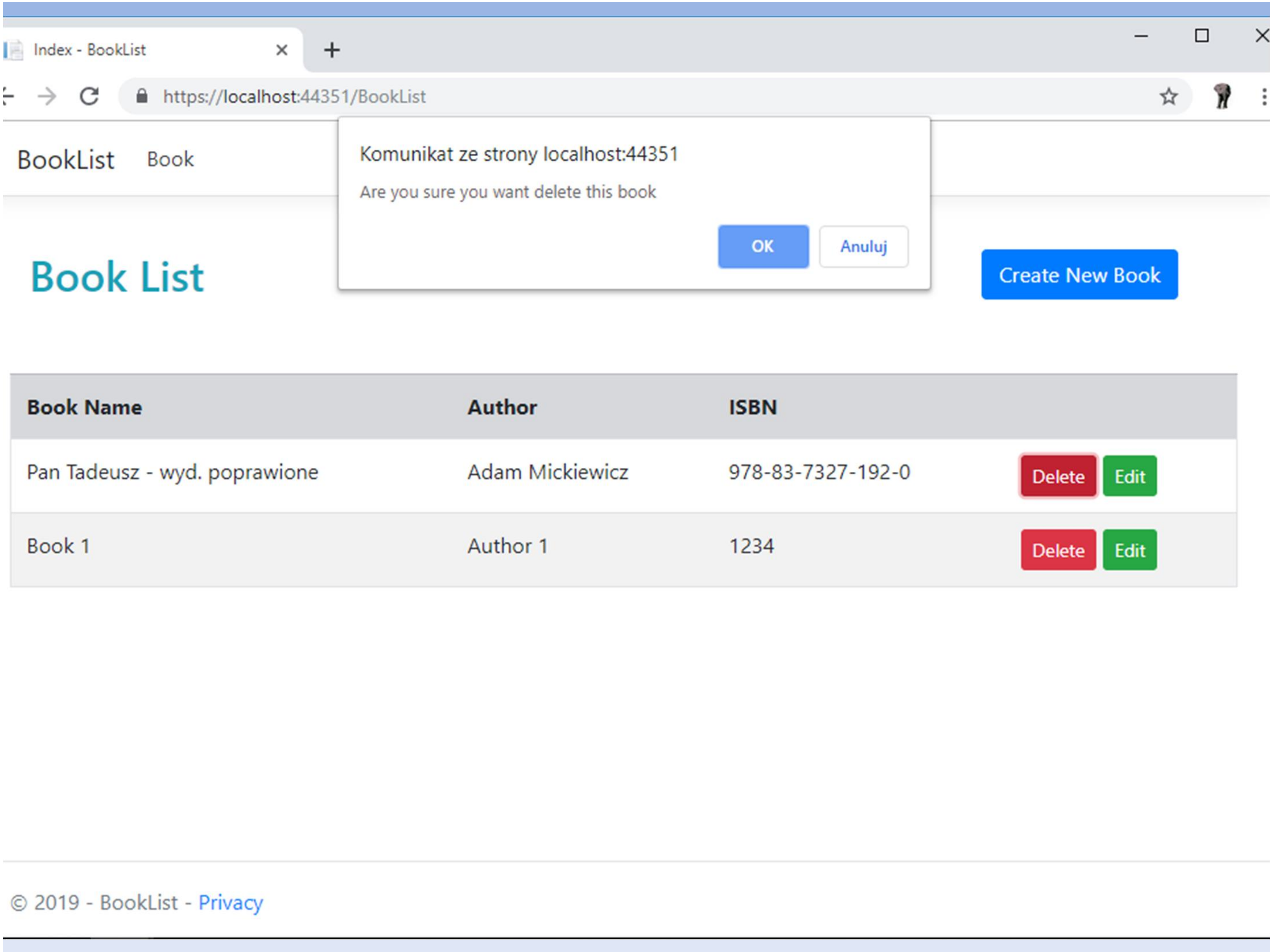
Book List

Book Name	Author	ISBN	
Pan Tadeusz - wyd. poprawione	Adam Mickiewicz	978-83-7327-192-0	Delete Edit
Book 1	Author 1	1234	Delete Edit



```
lass="col-6 text-right">
 asp-page="Create" class="btn btn-primary">Create New Book</a>



d="post">
del.Books.Count() > 0)

` /><br />
able class="table table-striped border">
 <tr class="table-secondary">...</tr>
@foreach (var item in Model.Books)
{
    <tr>
        <td>...</td>
        <td>...</td>
        <td>...</td>
        <td>
            <butto  asp-page-handler="Delete" asp-route-id="@item.Id"
                    onclick="return confirm('Are you sure you want delete this book')"
                    class="btn btn-danger btn-sm">Delete</button>
            <a asp-route-id="@item.Id" asp-page="Edit" class="btn btn-success btn-sm">Ed:
        </td>
    </tr>
}
:able>




 No Books Available.
)>
```

Confirmation dialog



Komunikat ze strony localhost:44351

Are you sure you want delete this book

Book List

Book Name	Author	ISBN	
Pan Tadeusz - wyd. poprawione	Adam Mickiewicz	978-83-7327-192-0	Delete Edit
Book 1	Author 1	1234	Delete Edit

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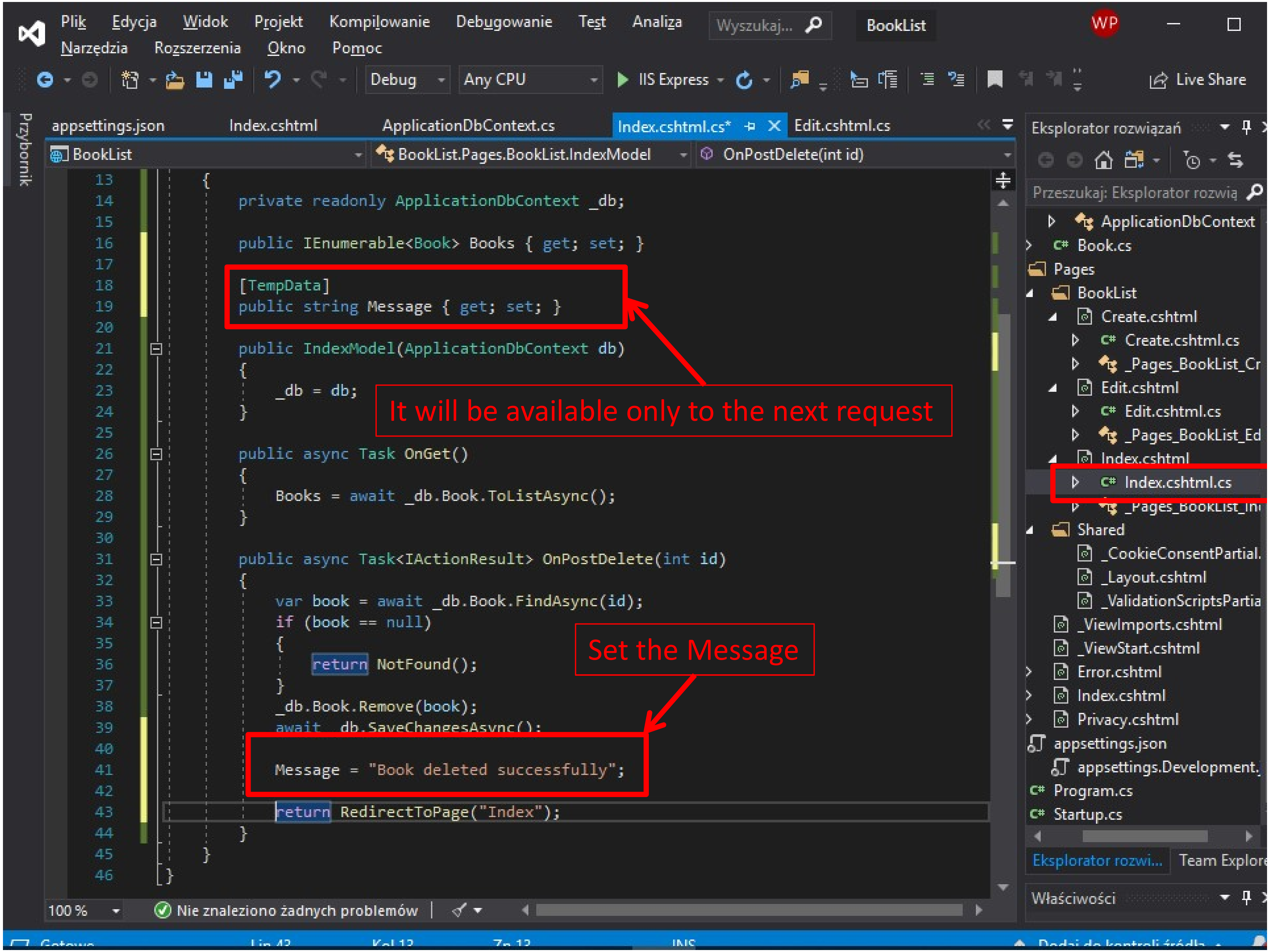
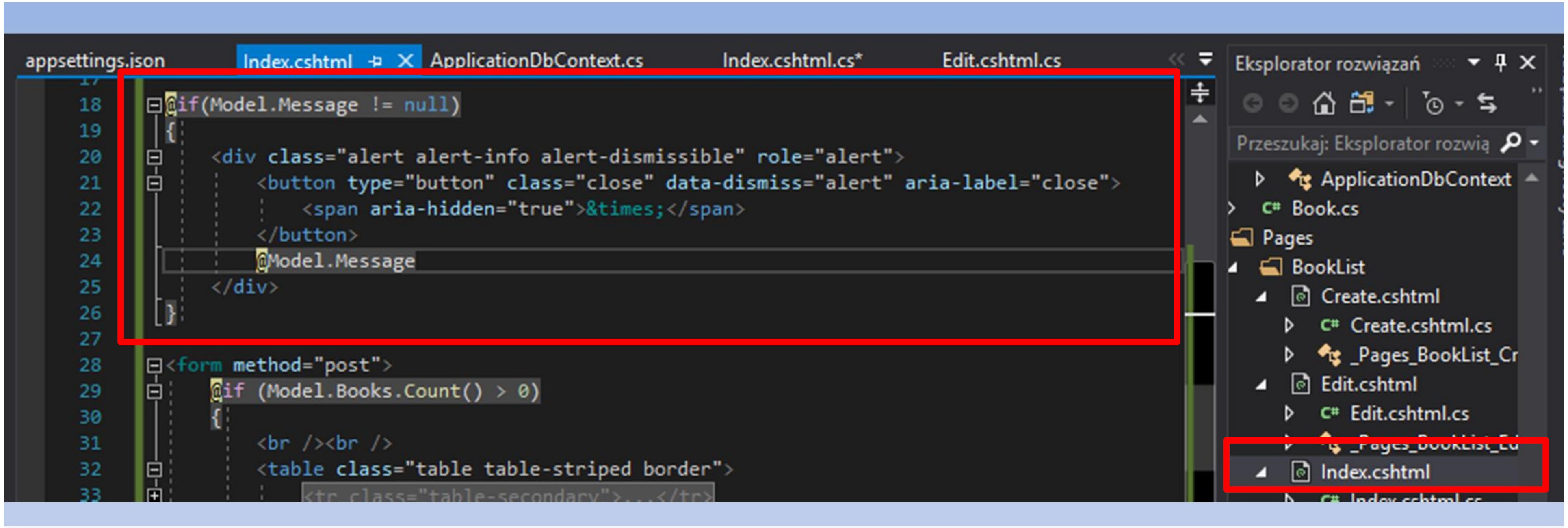
Message after delete



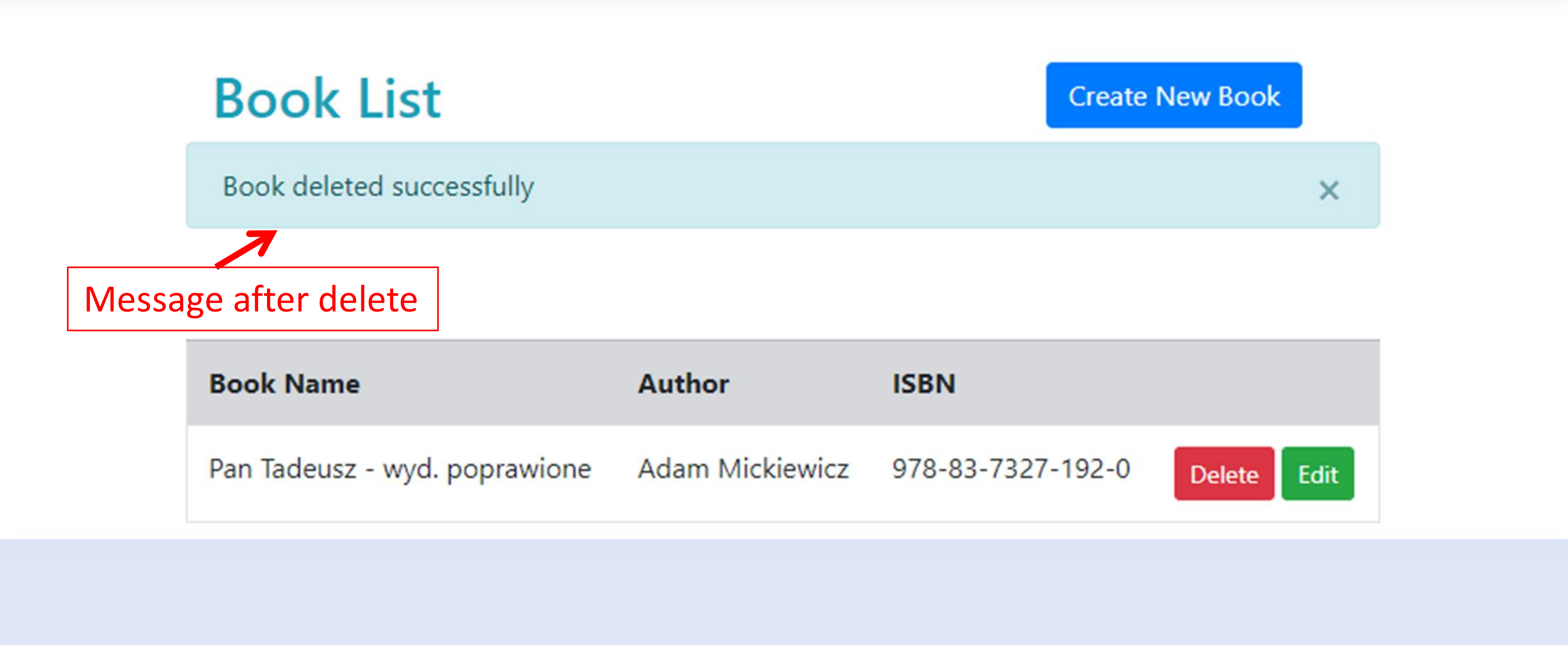
```
    {
        private readonly ApplicationDbContext _db;

        public IEnumerable<Book> Books { get; set; }

        [TempData]
        public string Message { get; set; }

        public IndexModel(ApplicationDbContext db)
        {
            _db = db;
        }

        public async Task OnGet()
        {
            Books = await _db.Book.ToListAsync();
        }

        public async Task<IActionResult> OnPostDelete(int id)
        {
            var book = await _db.Book.FindAsync(id);
            if (book == null)
            {
                return NotFound();
            }
            _db.Book.Remove(book);
            await _db.SaveChangesAsync();

            Message = "Book deleted successfully";

            return RedirectToPage("Index");
        }
    }
}
```

It will be available only to the next request

Set the Message



```
@if(Model.Message != null)
{
    <div class="alert alert-info alert-dismissible" role="alert">
        <button type="button" class="close" data-dismiss="alert" aria-label="close">
            <span aria-hidden="true">&times;</span>
        </button>
        @Model.Message
    </div>
}

<form method="post">
    @if (Model.Books.Count() > 0)
    {
        <br /><br />
        <table class="table table-striped border">
            <tr class="table-secondary">...</tr>
```

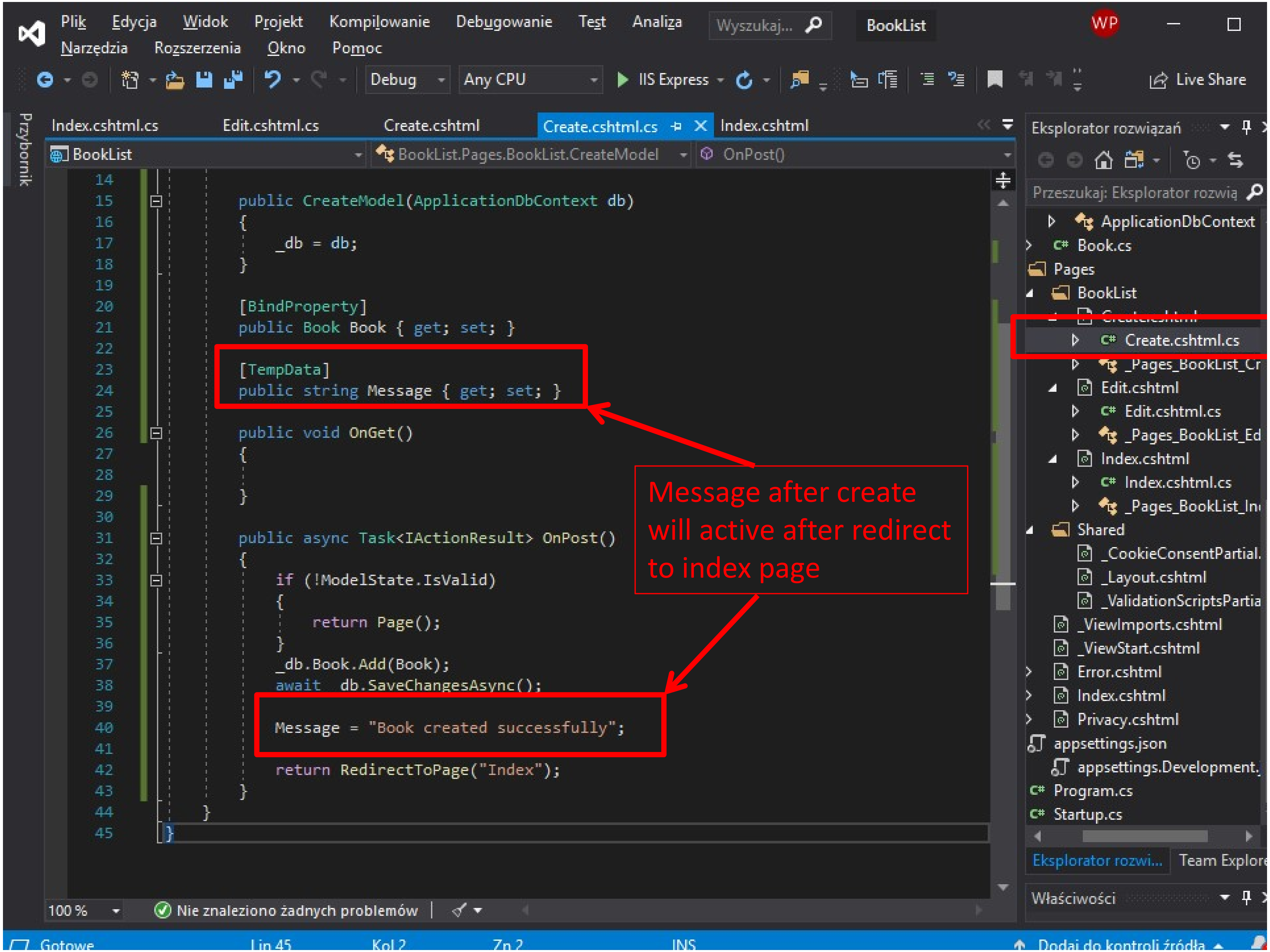


Book deleted successfully ×

Message after delete

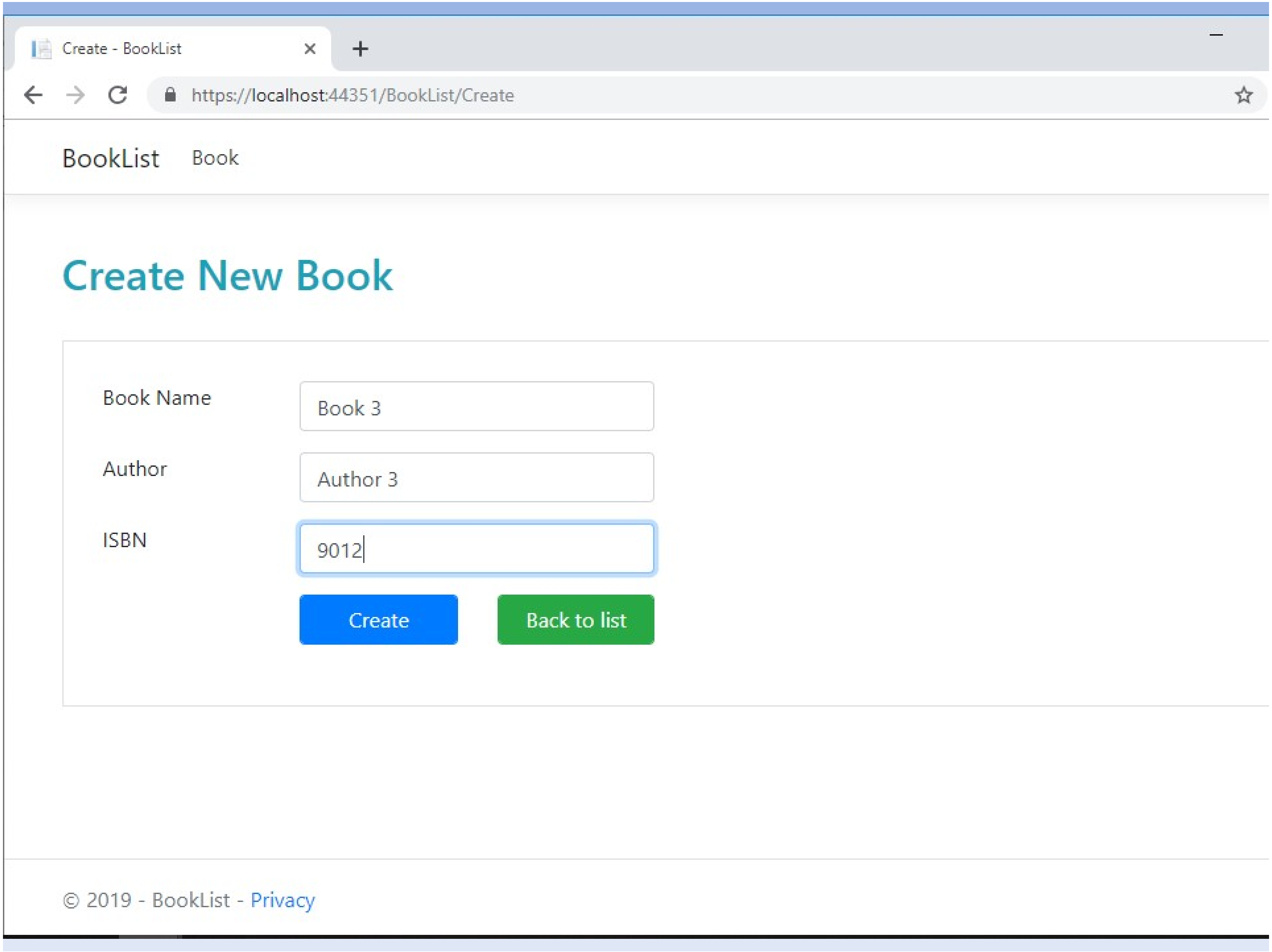
Book Name	Author	ISBN	
Pan Tadeusz - wyd. poprawione	Adam Mickiewicz	978-83-7327-192-0	Delete Edit

Message after create



```
        public CreateModel(ApplicationDbContext db)
        {
            _db = db;
        }

        [BindProperty]
        public Book Book { get; set; }

        [TempData]
        public string Message { get; set; }

        public void OnGet()
        {

        }

        public async Task<IActionResult> OnPost()
        {
            if (!ModelState.IsValid)
            {
                return Page();
            }
            _db.Book.Add(Book);
            await _db.SaveChangesAsync();

            Message = "Book created successfully";

            return RedirectToPage("Index");
        }
    }
}
```

Message after create will active after redirect to index page



Create New Book

Book Name: Book 3

Author: Author 3

ISBN: 9012

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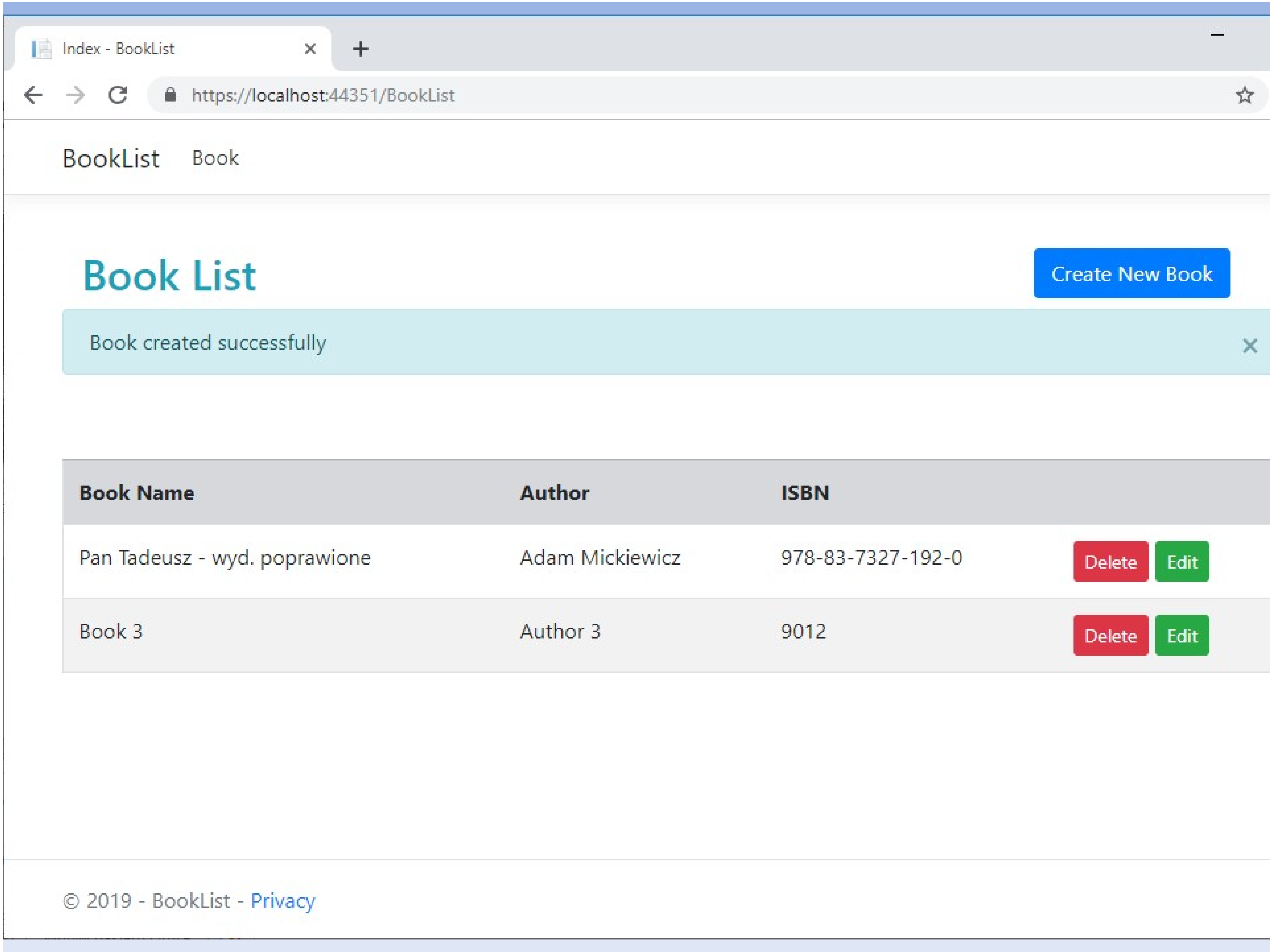

Book List

Book created successfully

Book Name	Author	ISBN	
Pan Tadeusz - wyd. poprawione	Adam Mickiewicz	978-83-7327-192-0	Delete Edit
Book 3	Author 3	9012	Delete Edit

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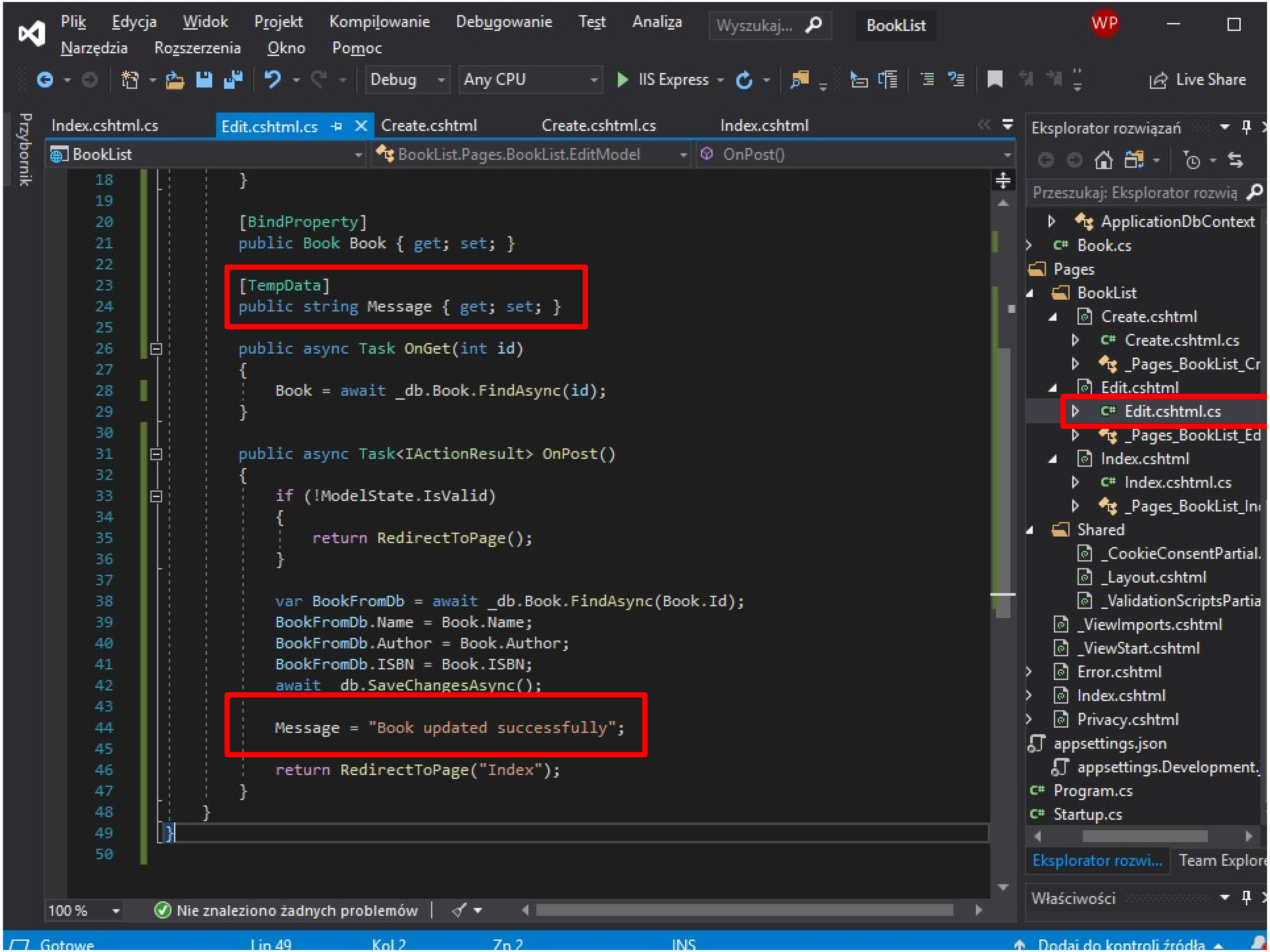
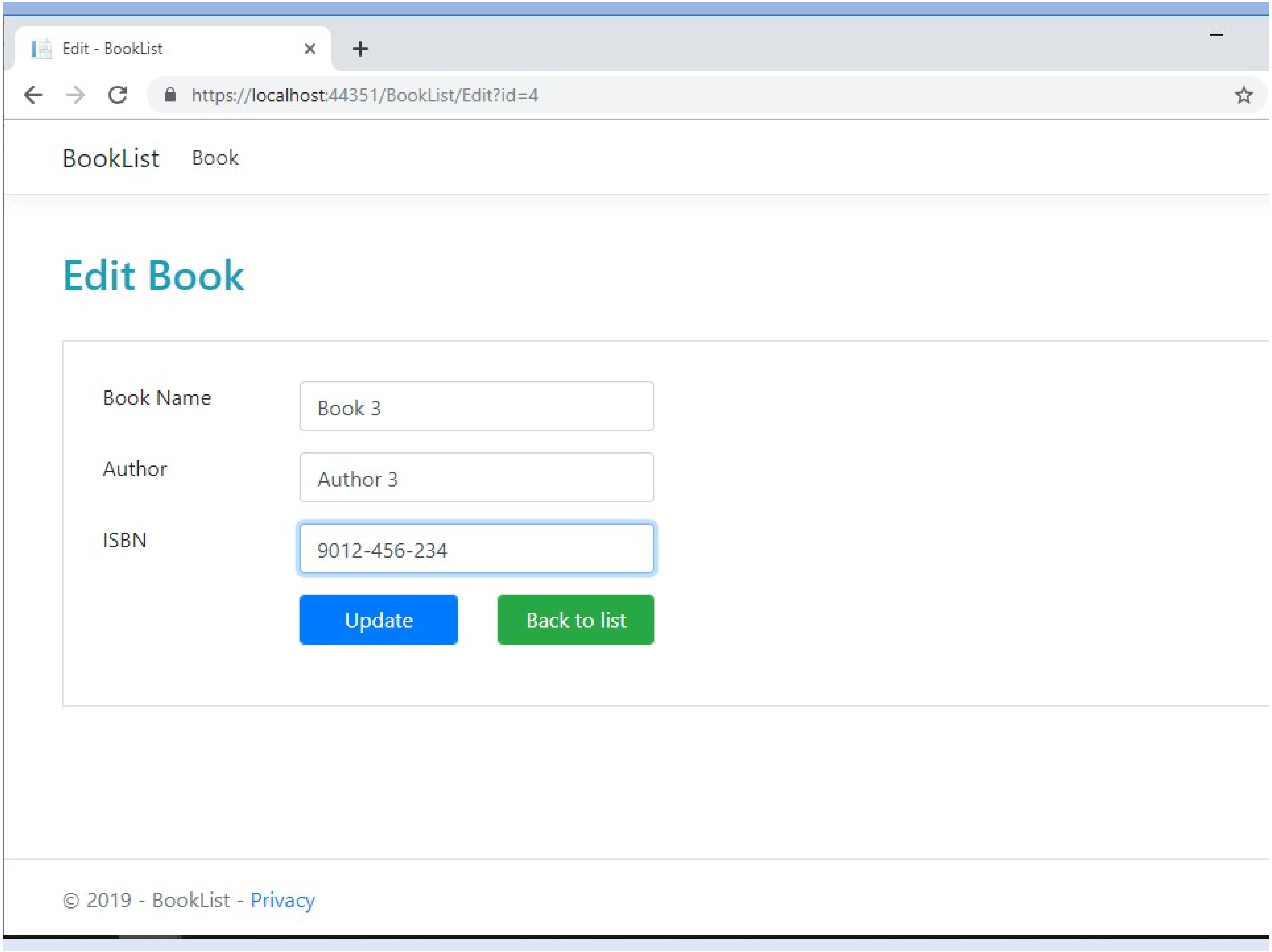
Message after edit



```
        }

        [BindProperty]
        public Book Book { get; set; }

        [TempData]
        public string Message { get; set; }

        public async Task OnGet(int id)
        {
            Book = await _db.Book.FindAsync(id);
        }

        public async Task<IActionResult> OnPost()
        {
            if (!ModelState.IsValid)
            {
                return RedirectToPage();
            }

            var BookFromDb = await _db.Book.FindAsync(Book.Id);
            BookFromDb.Name = Book.Name;
            BookFromDb.Author = Book.Author;
            BookFromDb.ISBN = Book.ISBN;
            await _db.SaveChangesAsync();

            Message = "Book updated successfully";

            return RedirectToPage("Index");
        }
    }
}

```



Edit - BookList
https://localhost:44351/BookList/Edit?id=4
BookList
Book

Edit Book

Book Name: Book 3

Author: Author 3

ISBN: 9012-456-234

Update
Back to list
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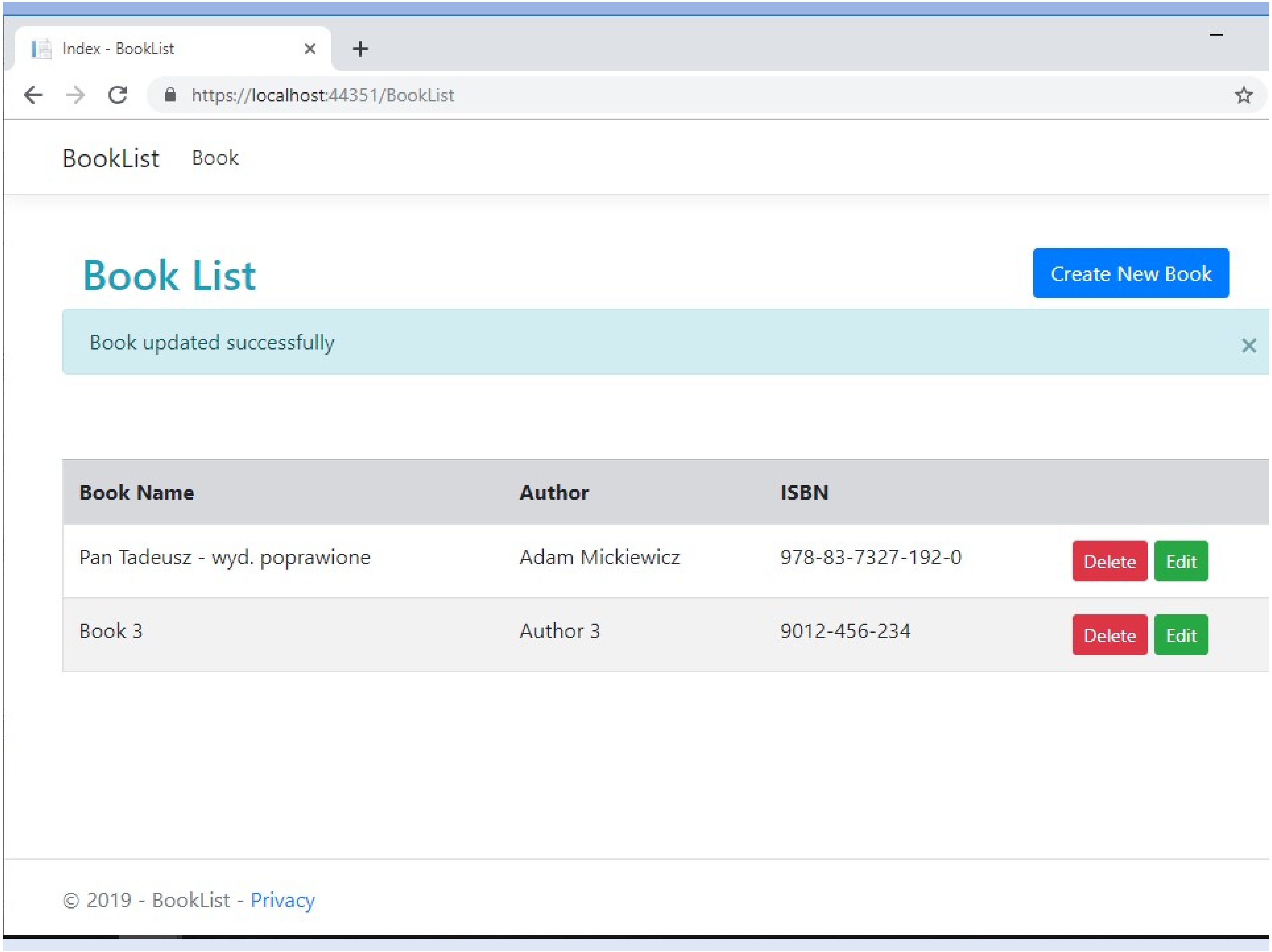

Book List

Book updated successfully

Book Name	Author	ISBN	
Pan Tadeusz - wyd. poprawione	Adam Mickiewicz	978-83-7327-192-0	Delete Edit
Book 3	Author 3	9012-456-234	Delete Edit

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