

Create form in asp.net core | Form tag helpers in
asp net core

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Agenda

- ✓ How to create a form
- ✓ How to set tag helpers for model
- ✓ How to submit a form
- ✓ And lots of other thing...

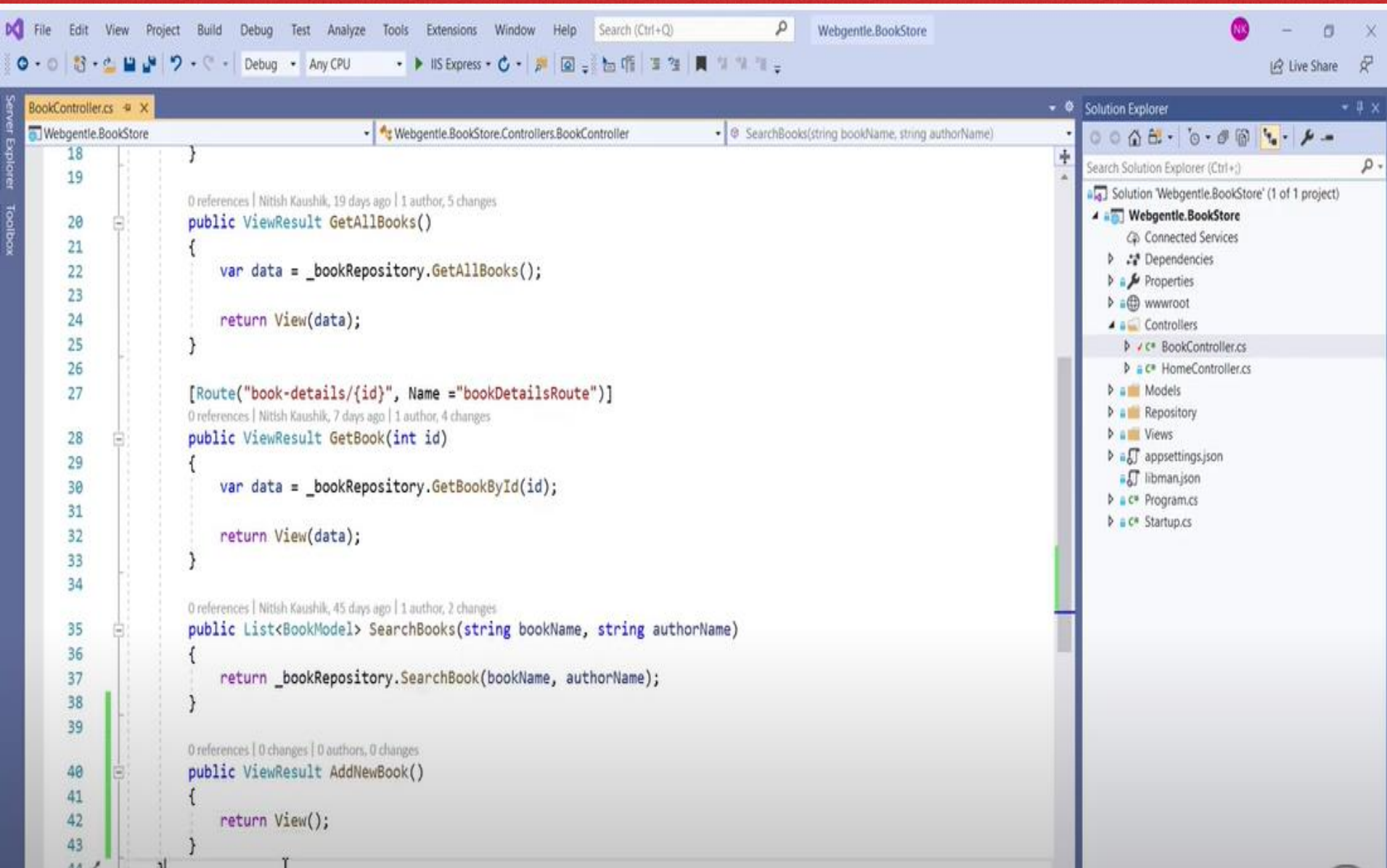
Form

- ✓ A form is used to get data from user.
- ✓ A form has various input options for user to get data easily.
 - ✓ Text box, Text Area, Calendar, Radio button, Checkbox
Dropdown, Number, Email etc.

Form components

- ✓ Form tag
- ✓ Input elements
- ✓ Method
- ✓ Submit URL
- ✓ Submit button

1) Create a Model 2) Create a Controller



Bood Model

The screenshot displays the Visual Studio IDE with the following components:

- Menu Bar:** File, Edit, View, Project, Build, Debug, Test, Analyze, Tools, Extensions, Window, Help.
- Search Bar:** Search (Ctrl+Q).
- Toolbox:** Includes buttons for adding new files, saving, undo, redo, and a dropdown for the Debug configuration (Any CPU).
- Output Window:** Shows the current file being edited: AddNewBook.cshhtml.
- Object Browser:** Displays the current file: Book.cs.
- Code Editor:** Contains the following C# code:

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Threading.Tasks;
5
6 namespace Ex10_Web_Forms.Models
7 {
8     public class Book
9     {
10         public int Id { get; set; }
11         public string Title { get; set; }
12         public string Author { get; set; }
13         public string Description { get; set; }
14         public string Category { get; set; }
15         public string Language { get; set; }
16         public int TotalPage { get; set; }
17     }
18 }
19
```
- Solution Explorer:** Shows the project structure for 'Ex10_Web_Forms' (1 of 1 project). The 'Models' folder is expanded, showing 'Book.cs' and 'ErrorViewModel.cs'. Other folders include 'Controllers', 'Views', 'Home', 'Shared', and 'appsettings.json'.
- Status Bar:** Indicates '101 %' zoom and 'No issues found'.
- Taskbar:** Shows the Windows taskbar with various application icons and the system clock displaying '15:15' on '15-02-2021'.

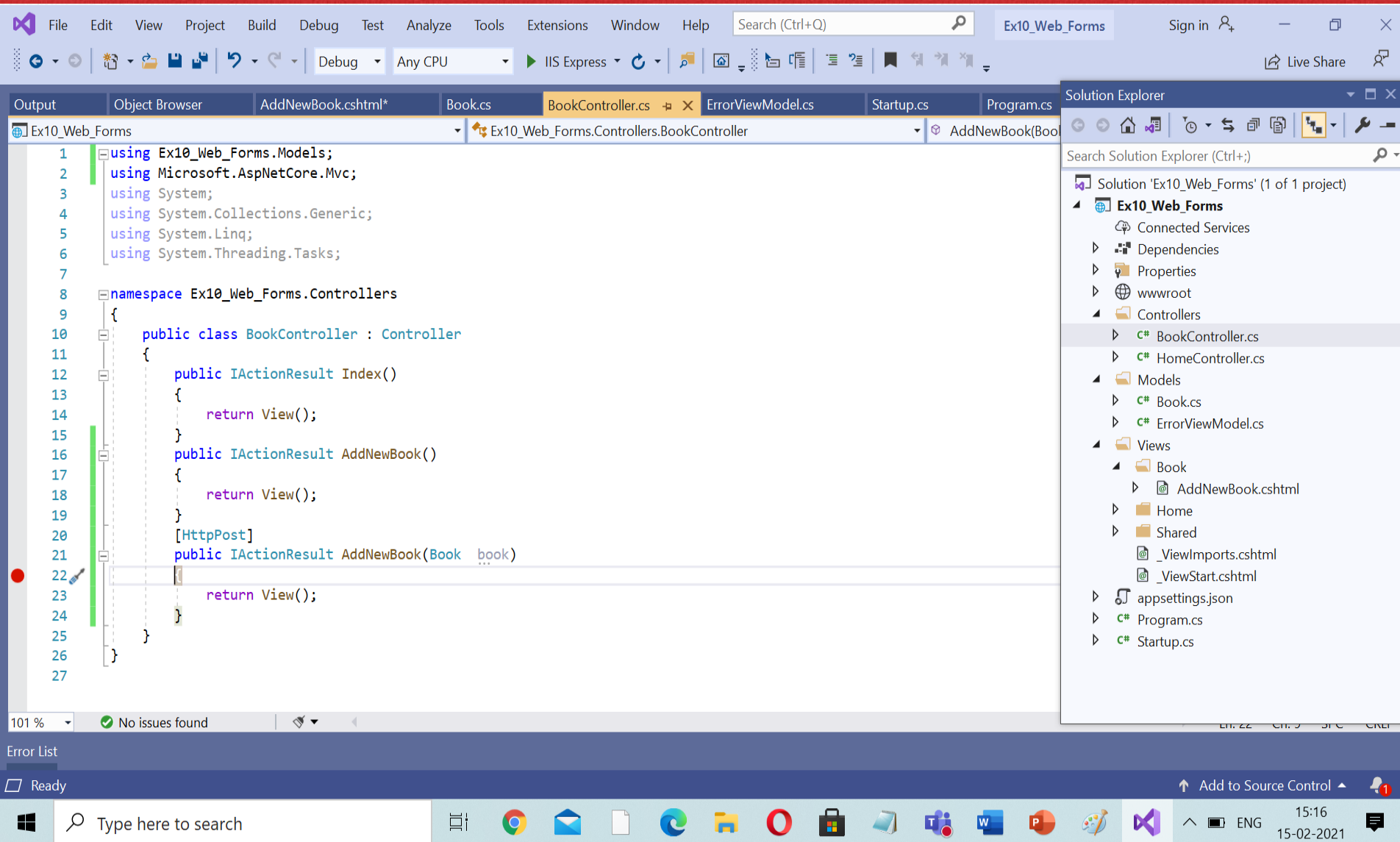
View Page:-

The screenshot displays the Visual Studio IDE with the following components:

- Menu Bar:** File, Edit, View, Project, Build, Debug, Test, Analyze, Tools, Extensions, Window, Help.
- Toolbar:** Includes icons for undo, redo, save, and other development actions.
- Output Window:** Shows the current file being edited: AddNewBook.cshtml*.
- Code Editor:** Contains the following code:

```
1 @model Book
2 @{
3     ViewData["Title"] = "AddNewBook";
4 }
5 <div class="container">
6     <h1>AddNewBook</h1>
7     @*we have to pass the action name and controller name here.if action name is different and controller is different
8     <form method="post">
9         <div class="form-group">
10             <label asp-for="Title"></label>
11             <input asp-for="Title" class="form-control" />
12         </div>
13         <div class="form-group">
14             <label asp-for="Author"></label>
15             <input asp-for="Author" class="form-control" />
16         </div>
17         <div class="form-group">
18             <label asp-for="Description"></label>
19             <input asp-for="Description" class="form-control" />
20         </div>
21         <div class="form-group">
22             <label asp-for="TotalPage"></label>
23             <input asp-for="TotalPage" class="form-control" />
24         </div>
25         <div class="form-group">
26             <input type="submit" value="Add book" class="btn btn-primary" />
27         </div>
28     </form>
29 </div>
```
- Solution Explorer:** Shows the project structure for 'Ex10_Web_Forms' (1 of 1 project). The files listed are: Connected Services, Dependencies, Properties, wwwroot, Controllers (BookController.cs, HomeController.cs), Models (Book.cs, ErrorViewModel.cs), Views (Book, AddNewBook.cshtml, Home, Shared, _ViewImports.cshtml, _ViewStart.cshtml), appsettings.json, Program.cs, and Startup.cs.
- Status Bar:** Shows '101 %' zoom and 'No issues found'.
- Taskbar:** Displays the Windows taskbar with various application icons and the system clock showing 15:16 on 15-02-2021.

Controller:-



The screenshot displays the Visual Studio IDE with the following components:

- Top Menu Bar:** File, Edit, View, Project, Build, Debug, Test, Analyze, Tools, Extensions, Window, Help.
- Search Bar:** Search (Ctrl+Q)
- Toolbar:** Includes icons for Run, Debug, and other development actions.
- Output Window:** Shows the current file being edited: `Ex10_Web_Forms.Controllers.BookController`.
- Code Editor:** Contains the following C# code for `BookController.cs`:

```
1 using Ex10_Web_Forms.Models;
2 using Microsoft.AspNetCore.Mvc;
3 using System;
4 using System.Collections.Generic;
5 using System.Linq;
6 using System.Threading.Tasks;
7
8 namespace Ex10_Web_Forms.Controllers
9 {
10     public class BookController : Controller
11     {
12         public IActionResult Index()
13         {
14             return View();
15         }
16         public IActionResult AddNewBook()
17         {
18             return View();
19         }
20         [HttpPost]
21         public IActionResult AddNewBook(Book book)
22         {
23             return View();
24         }
25     }
26 }
```
- Solution Explorer:** Shows the project structure for `Ex10_Web_Forms`:
 - Connected Services
 - Dependencies
 - Properties
 - wwwroot
 - Controllers
 - BookController.cs
 - HomeController.cs
 - Models
 - Book.cs
 - ErrorViewModel.cs
 - Views
 - Book
 - AddNewBook.cshtml
 - Home
 - Shared
 - _ViewImports.cshtml
 - _ViewStart.cshtml
 - appsettings.json
 - Program.cs
 - Startup.cs
- Bottom Status Bar:** Shows 101% zoom, no issues found, and the system tray with the date 15-02-2021 and time 15:16.

Thanks