

Book Management System (CRUD)

MVC is a design pattern used to decouple user-interface (view), data (model), and application logic (controller). This pattern helps to achieve separation of concerns.

Using the MVC pattern for websites, requests are routed to a Controller that is responsible for working with the Model to perform actions and/or retrieve data. The Controller chooses the View to display and provides it with the Model. The View renders the final page, based on the data in the Model.

Models & data

Create clean model classes and easily bind them to your database. Declaratively define validation rules, using C# attributes, which are applied on the client and server.

Controllers

Simply route requests to controller actions, implemented as normal C# methods. Data from the request path, query string, and request body are automatically bound to method parameters.

Views with Razor

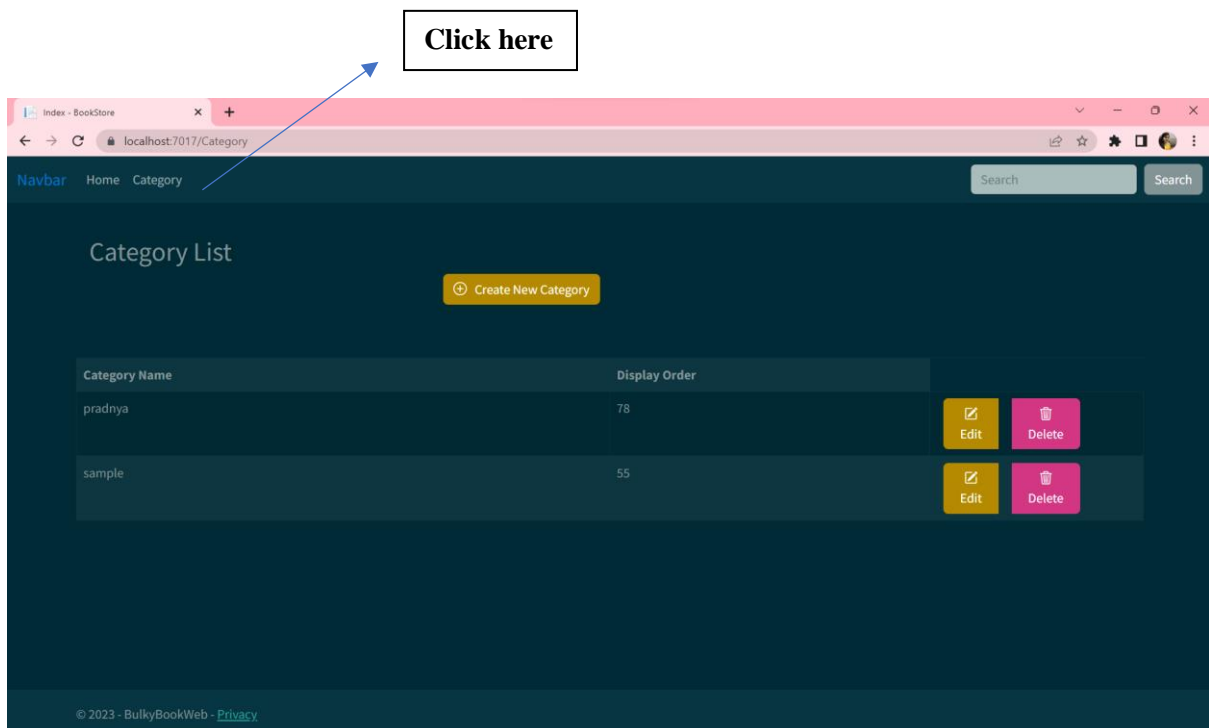
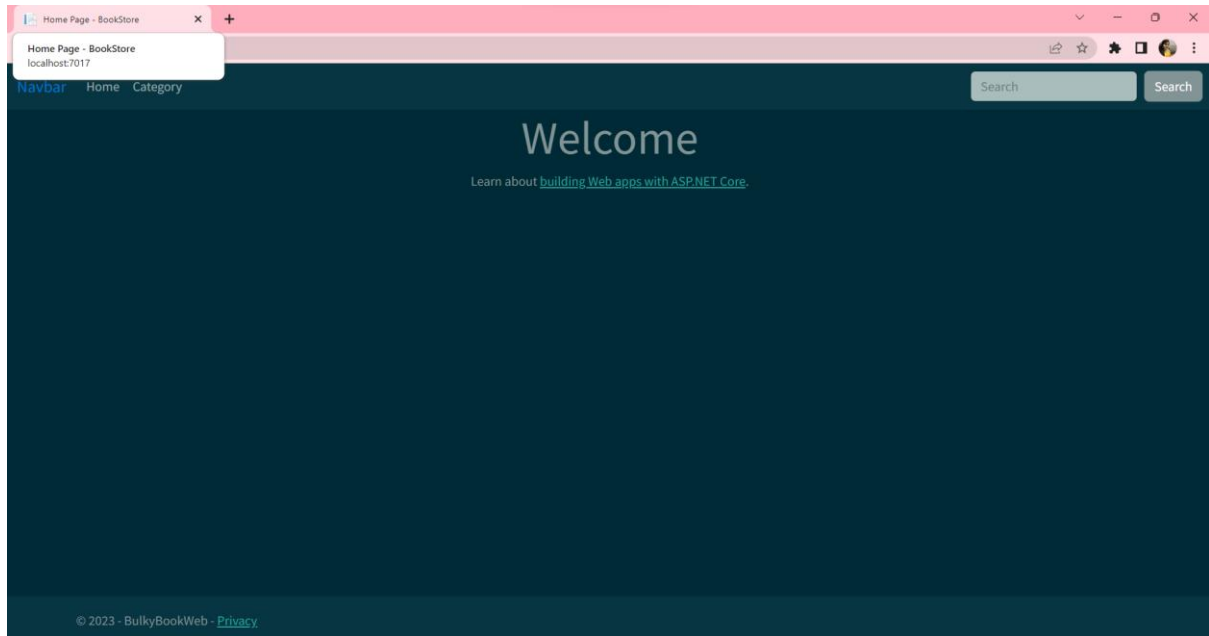
The Razor syntax provides a simple, clean, and lightweight way to render HTML content based on your view. Razor lets you render a page using C#, producing fully HTML5 compliant web pages.

Steps

- Set up your development environment: Install Visual Studio with the .NET development tools and set up a database server, such as SQL Server.
- Create a new ASP.NET MVC project: Open Visual Studio and create a new ASP.NET MVC project. Choose the appropriate project template and configure the project settings.
- Define your database schema: Create a database schema that includes tables for books, authors, publishers, and any other relevant entities. Define relationships between the tables as needed.
- Create models: Create C# classes that represent the entities in your database. Use the Entity Framework to map these classes to your database tables.
- Create controllers: Create controllers to handle requests from users and interact with your models. For example, you might create a BookController to handle requests related to books, such as adding a new book or editing an existing one.
- Create views: Create views to display data to users and allow them to interact with your application. For example, you might create a view that displays a list of all the books in your system, along with options to edit or delete them.
- Implement authentication and authorization: Implement authentication and authorization to restrict access to certain parts of your application. For example, you might restrict access to the ability to add or delete books to certain user roles.
- Test and debug: Test your application and debug any issues that arise.

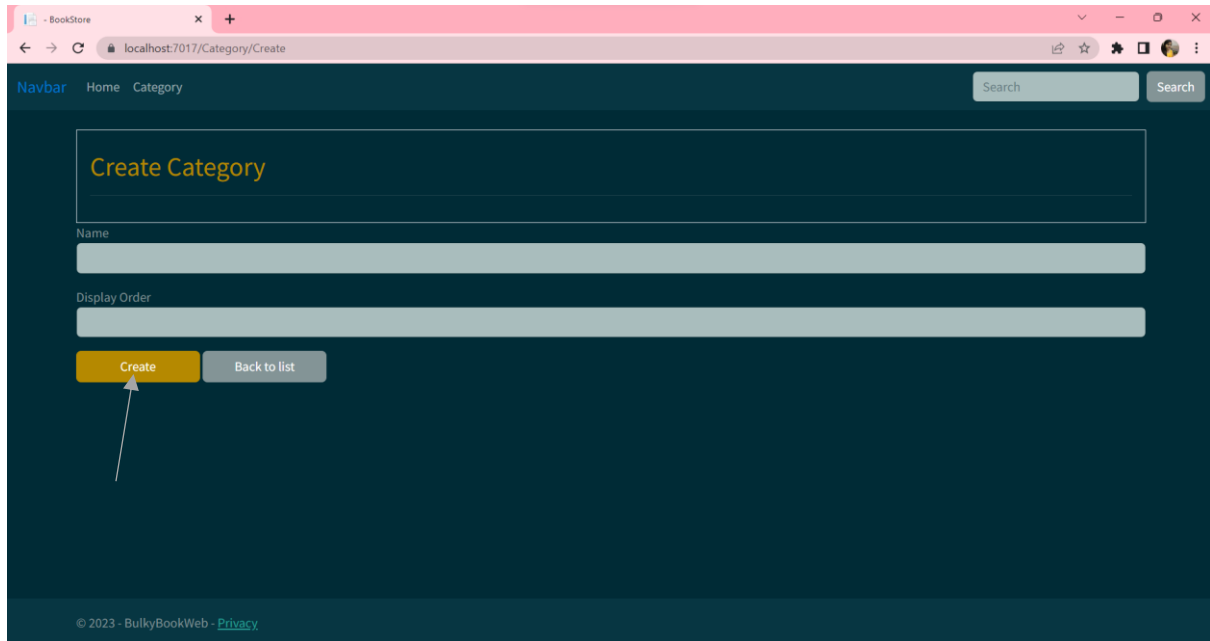
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Home page --



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Create new Category—



The screenshot displays a web browser window with the address bar showing 'localhost:7017/Category/Create'. The page features a dark blue header with a 'Navbar' containing 'Home' and 'Category' links, and two 'Search' buttons. The main content area is titled 'Create Category' and contains two input fields: 'Name' and 'Display Order'. Below these fields are two buttons: a yellow 'Create' button and a grey 'Back to list' button. A white arrow points to the 'Create' button. The footer of the page shows the copyright notice '© 2023 - BulkyBookWeb - Privacy'.

Navbar Home Category Search Search

Create Category

Name

Display Order

Create Back to list

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The screenshot shows a web browser window with the address bar displaying 'localhost:7017/Category/Create'. The page has a dark blue header with a 'Navbar' containing 'Home' and 'Category' links, and a search bar. The main content area is titled 'Create Category' in yellow. It contains two input fields: 'Name' with the value 'sample' and 'Display Order' with the value '5'. Below the fields are two buttons: 'Create' (yellow) and 'Back to list' (grey). The footer shows '© 2023 - BulkyBookWeb - Privacy'.

Create Category

Name
sample

Display Order
5

Create Back to list

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Successfully Created--

The screenshot shows a web browser window with the address bar displaying 'localhost:7017/Category'. The page has a dark blue header with a 'Navbar' containing 'Home' and 'Category' links, and a search bar. The main content area is titled 'Category Created Sucessfully' in white. Below the title is a 'Category List' section with a yellow 'Create New Category' button. A table lists the categories with columns 'Category Name' and 'Display Order'. Each row has 'Edit' and 'Delete' buttons. The footer shows '© 2023 - BulkyBookWeb - Privacy'.

Category Created Sucessfully

Category List

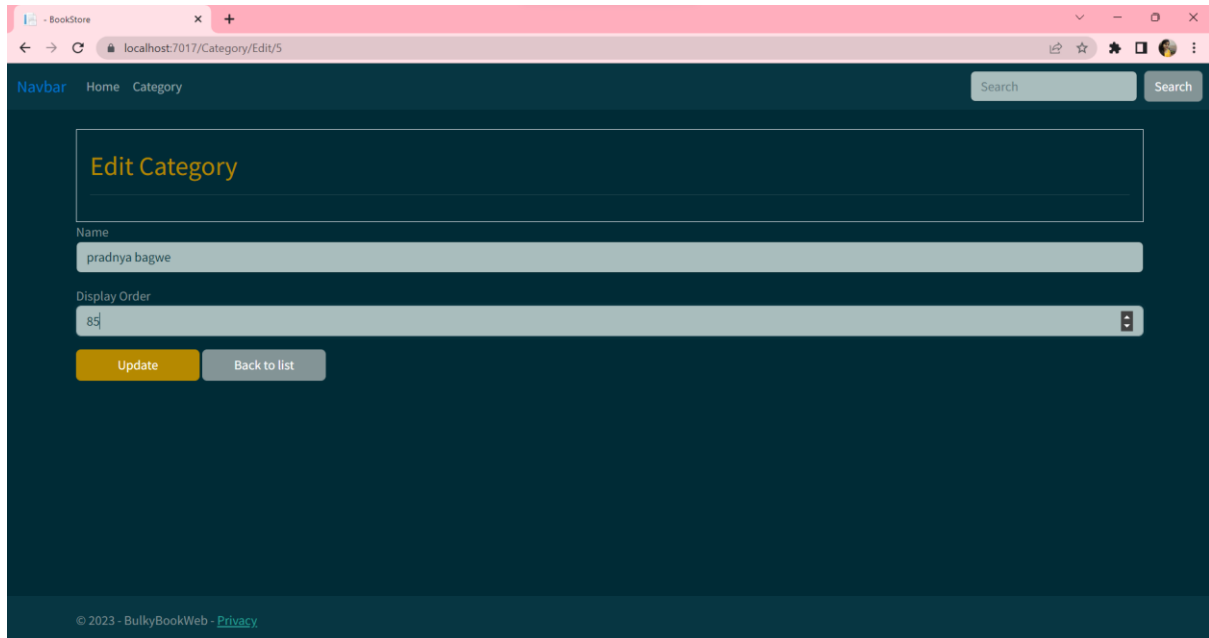
Create New Category

Category Name	Display Order		
pradnya	78	Edit	Delete
sample	55	Edit	Delete
sample	5	Edit	Delete

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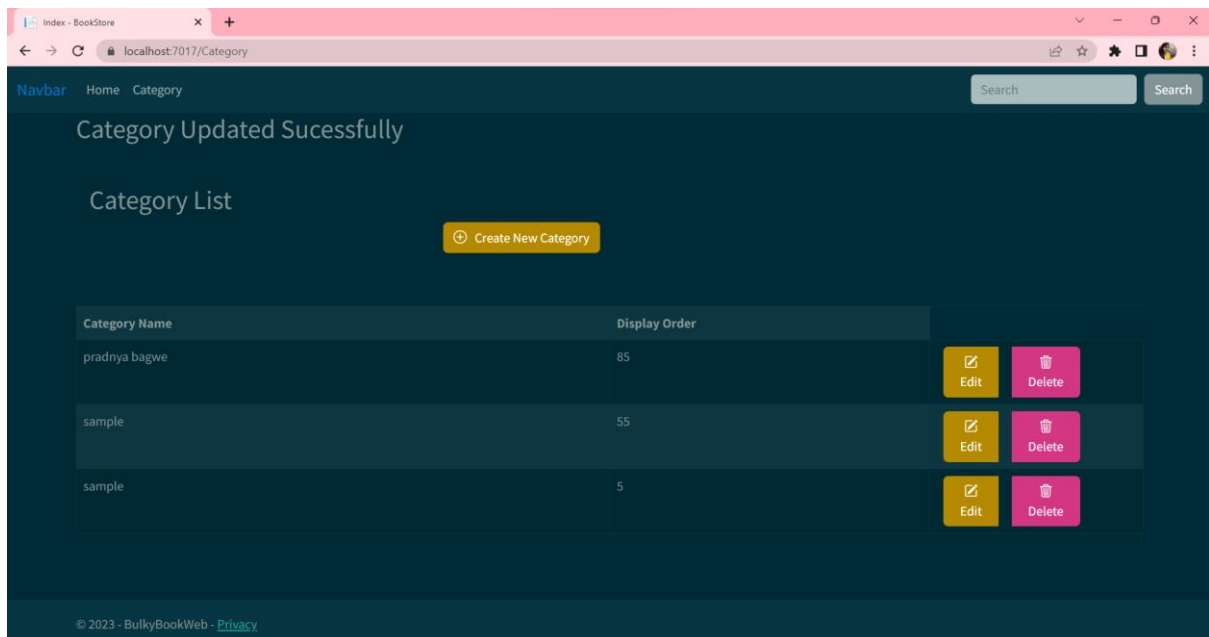
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Edit Existing Category



The screenshot shows a web browser window with the URL `localhost:7017/Category/Edit/5`. The page has a dark blue header with a 'Navbar' containing 'Home' and 'Category' links, and a search bar. The main content area is titled 'Edit Category' and contains a form with two input fields: 'Name' with the value 'pradnya bagwe' and 'Display Order' with the value '85'. Below the form are two buttons: 'Update' (yellow) and 'Back to list' (grey). The footer shows '© 2023 - BulkyBookWeb - Privacy'.

Updated Sucessfully



The screenshot shows a web browser window with the URL `localhost:7017/Category`. The page has a dark blue header with a 'Navbar' containing 'Home' and 'Category' links, and a search bar. The main content area is titled 'Category Updated Sucessfully' and 'Category List'. Below the title is a yellow button labeled 'Create New Category'. A table lists the categories, and each row has 'Edit' and 'Delete' buttons.

Category Name	Display Order	
pradnya bagwe	85	<button>Edit</button> <button>Delete</button>
sample	55	<button>Edit</button> <button>Delete</button>
sample	5	<button>Edit</button> <button>Delete</button>

The footer shows '© 2023 - BulkyBookWeb - Privacy'.

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Delete Unwanted Category

The screenshot shows a web browser window with the URL `localhost:7017/Category/Delete/5`. The page has a dark blue header with a 'Navbar' containing 'Home' and 'Category' links, and a search bar. The main content area is titled 'Delete Category' in yellow. Below the title, there are two input fields: 'Name' with the value 'sample' and 'Display Order' with the value '55'. At the bottom of the form, there are two buttons: a pink 'Delete' button and a grey 'Back to list' button. The footer contains the text '© 2023 - BulkyBookWeb - Privacy'.

Navbar Home Category Search Search

Delete Category

Name
sample

Display Order
55

Delete Back to list

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The screenshot shows a web browser window with the URL `localhost:7017/Category`. The page has a dark blue header with a 'Navbar' containing 'Home' and 'Category' links, and a search bar. The main content area is titled 'Category List' in white. Below the title, there is a yellow 'Create New Category' button. A table lists the categories with columns for 'Category Name', 'Display Order', and actions. The table has two rows: one for 'pradnya bagwe' with display order 85, and one for 'sample' with display order 5. Each row has 'Edit' and 'Delete' buttons. The footer contains the text '© 2023 - BulkyBookWeb - Privacy'.

Navbar Home Category Search Search

Category List

Create New Category

Category Name	Display Order	
pradnya bagwe	85	Edit Delete
sample	5	Edit Delete

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