



Routing and Layouts in **ASP.NET Blazor**

What is Routing in Blazor?

- **Routing** in Blazor enables navigation between different **Razor components** based on the **URL**.
- When a user navigates to a URL, Blazor finds the component with the matching **@page** directive and renders it.
- Blazor supports client-side routing, which means the page doesn't reload, rather the navigation is handled within the browser using the **Router** component.

@page Directive

- Each routable component (like a Razor page) must begin with an `@page` directive, defining the route it responds to.

```
@page "/about"
```

- This means that the `About` component will be displayed when the user navigates to `/about`.

App.razor and the <Router> Component

- **App.razor** acts as the root component for the Blazor app.
- It contains the <Routes /> component.
- **Routes.razor** has <Router> element which:
 - Matches the current URL to a route.
 - Displays the appropriate component.
 - If you want to customize the fallback behavior, you can use the **NotFound**.

```
<Router AppAssembly="@typeof(App).Assembly">
  <Found Context="routeData">
    <RouteView RouteData="@routeData" DefaultLayout="@typeof(MainLayout)" />
  </Found>
  <NotFound>
    <LayoutView Layout="@typeof(MainLayout)">
      <p>Sorry, there's nothing at this address.</p>
    </LayoutView>
  </NotFound>
</Router>
```

Routes.razor

```
<Router AppAssembly="@typeof(App).Assembly">
  <Found Context="routeData">
    <RouteView RouteData="@routeData" DefaultLayout="@typeof(MainLayout)" />
  </Found>
  <NotFound>
    <LayoutView Layout="@typeof(MainLayout)">
      <p>Sorry, there's nothing at this address.</p>
    </LayoutView>
  </NotFound>
</Router>
```

- **Routes.razor:**

- Uses `<Router>` to match routes.
- Displays pages using `<RouteView>`.
- Shows a custom 404 message when no route matches using `<NotFound>`.



Exercise - Routing Basics

- Create a Blazor app that will have 3 pages:
 - Home (/)
 - About (/about)
 - Contact (/contact)
- The **Home.razor** already has the **@page** directive.

```
@page "/"

<PageTitle>Home</PageTitle>

<h1>Hello, world!</h1>

Welcome to your new app.
```



Exercise - Routing Basics

- Add a new razor component **About.razor**.
- Add the **@page** directive at the top.
- Add some HTML tags.

```
@page "/about"  
  
<h1>About Us</h1>  
  
<p>This is a sample Blazor application for learning routing.</p>
```



Exercise - Routing Basics

- Open `Layout/NavMenu.razor`.
- Add navigation using `NavLink`.
- Blazor's `NavLink` automatically adds the active class when the link matches the current route.

```
<div class="nav-item px-3">
  <NavLink class="nav-link" href="weather">
    <span class="bi bi-list-nested-nav-menu" aria-hidden="true"></span> Weather
  </NavLink>
</div>

<div class="nav-item px-3">
  <NavLink class="nav-link" href="about">
    <span class="bi bi-info-circle-fill mb-4" aria-hidden="true"></span> About
  </NavLink>
</div>

<div class="nav-item px-3">
  <NavLink class="nav-link" href="contact">
    <span class="bi bi-envelope-fill mb-4" aria-hidden="true"></span> Contact
  </NavLink>
</div>
</nav>
```

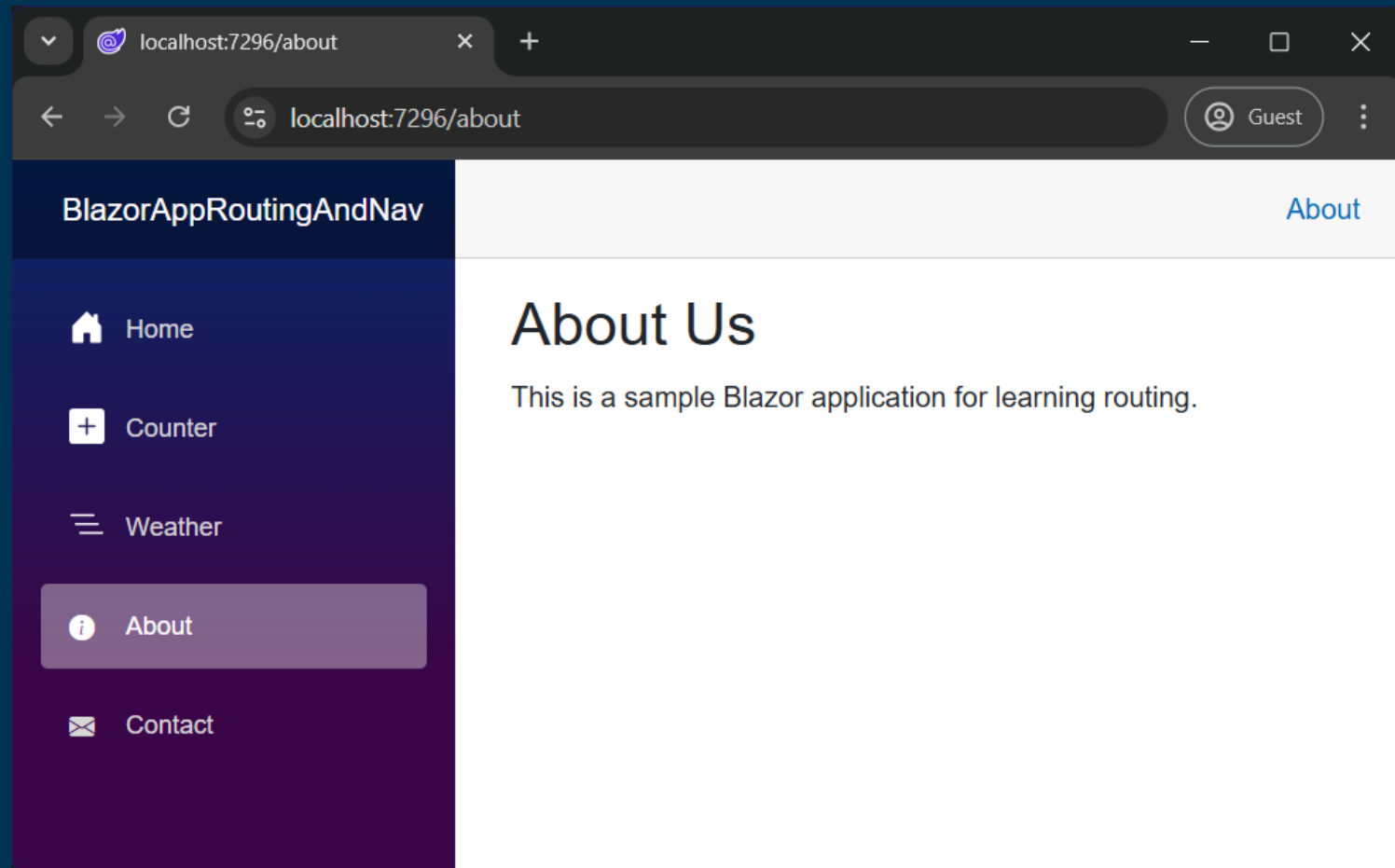
- Add the following CSS to the `App.razor`'s `<head>` element.

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.13.1/font/bootstrap-icons.css" rel="stylesheet">
```




Exercise - Routing Basics

- Run the app.
- Click the navigation links.
- Enter URLs directly (e.g., /about, /contact).



Route Parameters in Blazor

- **Route parameters** allow a Blazor component to accept values from the URL.
- For example, if you navigate to:

```
/product/123
```

- You can have a Blazor component (like **Product.razor**) that reads **123** as a parameter (**id**).
- This enables **dynamic routing**, where a single component can handle multiple data entries, like user profiles, orders, blog posts, etc.

Basic Route Parameter

- **Example:** User.razor:

```
@page "/user/{id}"

<h3>User ID: @Id</h3>

@code {
    [Parameter]
    public string? Id { get; set; }
}
```

- The `@page "/user/{id}"` tells Blazor to match any route like `/user/123`, `/user/abc` etc.
- The `id` value in the URL is passed to the `Id` property decorated with `[Parameter]`.
- You can use any variable name inside `{ }`, just make sure it matches the `[Parameter]` property name.
 - It is case-insensitive, but spellings must match.

Typed Route Parameters

- Blazor supports type constraints like `int`, `guid`, `bool`, etc.
- **Example:** `Order.razor`:

```
@page "/order/{orderId:int}"

<h3>Order ID: @OrderId</h3>

@code {
    [Parameter]
    public int OrderId { get; set; }
}
```
- Works for:
 - `/order/100`
 - `/order/9999`
- Fails for:
 - `/order/abc` → Won't match.

Multiple Parameters

- You can pass multiple route parameters.

- **Example:** `Invoice.razor:` `@page "/invoice/{year:int}/{month:int}"`

```
<h3>Invoice for @Year/@Month</h3>
```

```
@code {  
    [Parameter]  
    public int Year { get; set; }  
  
    [Parameter]  
    public int Month { get; set; }  
}
```

- Works for:
 - `/invoice/2024/12`

Optional Parameters (Workaround)

- Blazor doesn't support optional route parameters directly in the `@page` directive.
- But you can define multiple routes for the same component.
- **Example:** `Search.razor`:

- Works for:
 - `/search`
 - `/search/books`

```
@page "/"search"
@page "/"search/{term}"

<h3>Search Results</h3>
@if (Term != null)
{
    <p>Results for: <strong>@Term</strong></p>
}
else
{
    <p>Please enter a search term.</p>
}

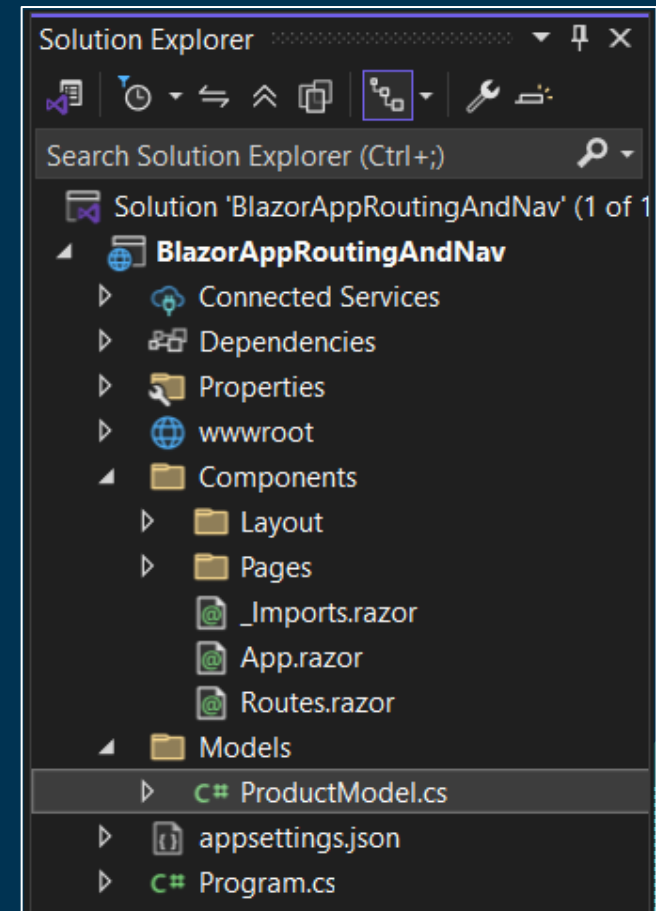
@code {
    [Parameter]
    public string? Term { get; set; }
}
```



Exercise - Route Parameter

- Create a new folder **Models** at the root of your project.
- Create a new class **ProductModel.cs** inside the **Models** folder.

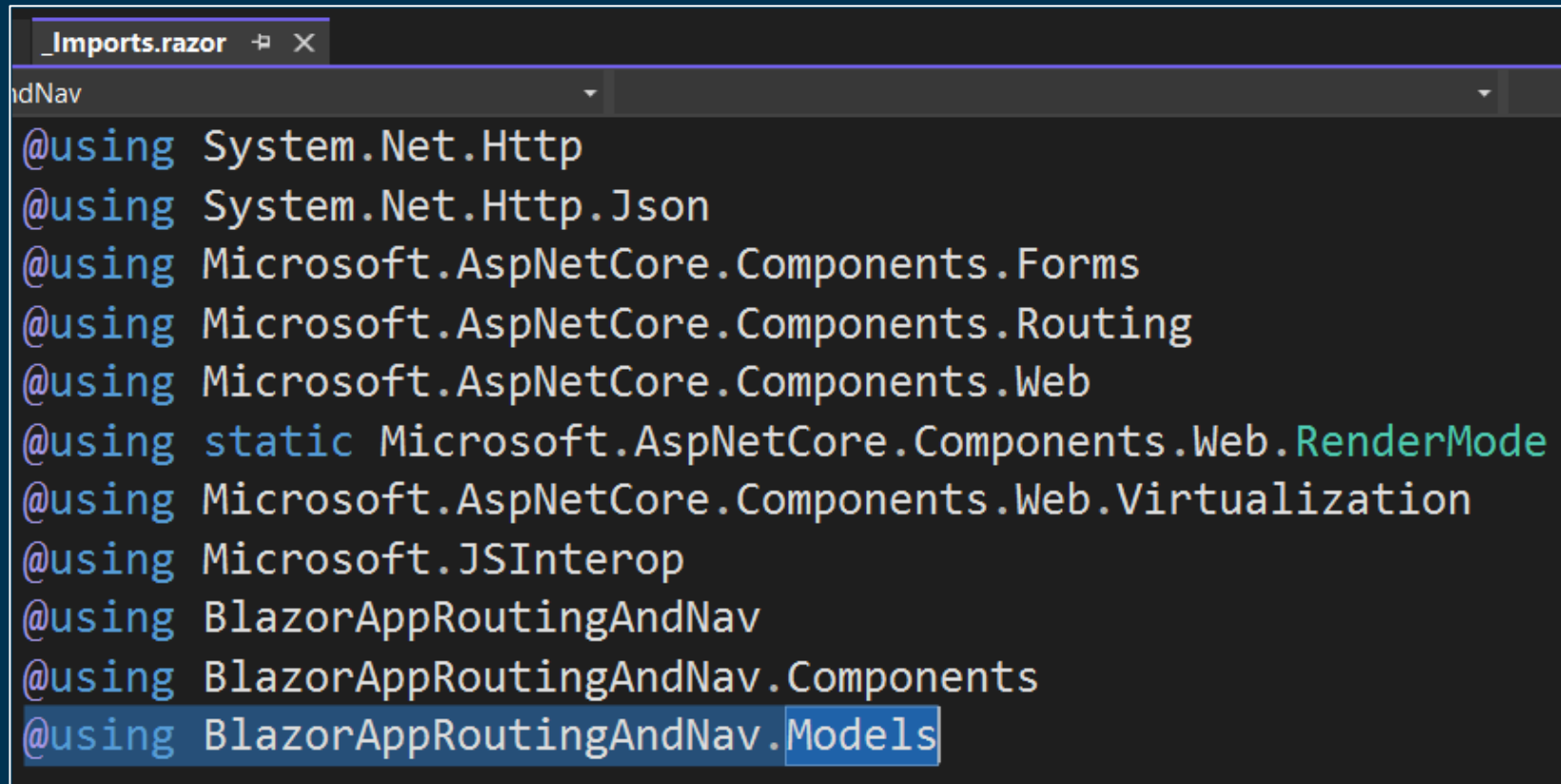
```
public class ProductModel
{
    public int Id { get; set; }
    public string Name { get; set; }
    public double Price { get; set; }
}
```





Exercise - Route Parameter

- Open `_Imports.razor` and add the path to the **Models** folder.
- Please change the project name "`BlazorAppRoutingAndNav`" to your own project name.



```
_Imports.razor
@using System.Net.Http
@using System.Net.Http.Json
@using Microsoft.AspNetCore.Components.Forms
@using Microsoft.AspNetCore.Components.Routing
@using Microsoft.AspNetCore.Components.Web
@using static Microsoft.AspNetCore.Components.Web.RenderMode
@using Microsoft.AspNetCore.Components.Web.Virtualization
@using Microsoft.JSInterop
@using BlazorAppRoutingAndNav
@using BlazorAppRoutingAndNav.Components
@using BlazorAppRoutingAndNav.Models
```




Exercise - Route Parameter

- Create a new component, **Product.razor**:
 - You can copy the sample code from here:

```
@page "/product/{id:int}"
<h1>Product Details</h1>
@if (product != null) {
    <div class="card p-3 m-2 shadow">
        <h4>@product.Name</h4>
        <p><strong>ID:</strong>
        @product.Id</p>
        <p><strong>Price:</strong>
        @product.Price.ToString("C")</p>
    </div>
}
Else {
    <div class="alert alert-warning">
        Product not found.<NavLink href="/">Go
        back to home</NavLink> </div>
}
```

```
@code {
    [Parameter]
    public int Id { get; set; }
    private ProductModel? product;
    private List<ProductModel>
    products = new() {
        new ProductModel(1, "Gaming
        Laptop", 1499.99M),
        new ProductModel(2, "Wireless
        Mouse", 29.99M),
        new ProductModel(3,
        "Mechanical Keyboard", 79.50M),
        new ProductModel(4, "27-inch
        Monitor", 299.00M),
        new ProductModel(5, "USB-C
        Dock", 59.95M)    };
}
```



Exercise - Route Parameter

- Create a new component, **Product.razor**:
 - You can copy the sample code from here:

```
Continue ...  
protected override void OnInitialized()  
{  
    product = products.Find(p => p.Id  
== Id); }  
}
```

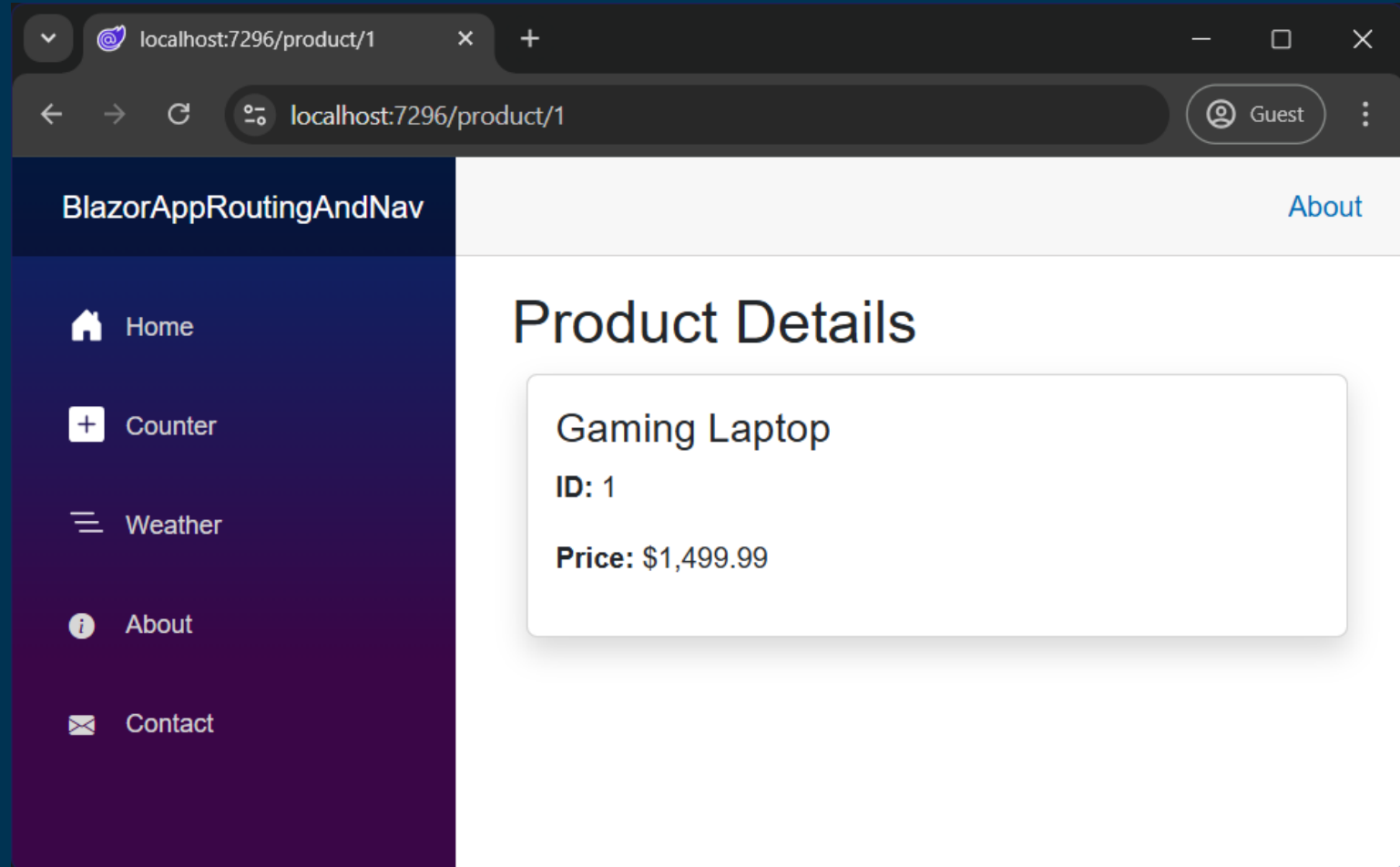
```
protected override void OnInitialized()  
{  
    product = products.Find(p => p.Id == Id);  
}
```

- The **OnInitialized** method is a component lifecycle method that runs once when the component is first initialized (before rendering for the first time).
- This method is called when the **Product** component is created.
- It tries to find a **product** in the **products** list whose **Id** matches the **Id** parameter.
- The result is stored in the **product** variable, which is then used to display product details.



Exercise - Route Parameter

- Run the app and try navigating to:
 - /product/1
 - /product/4
 - /product/99 (not found)



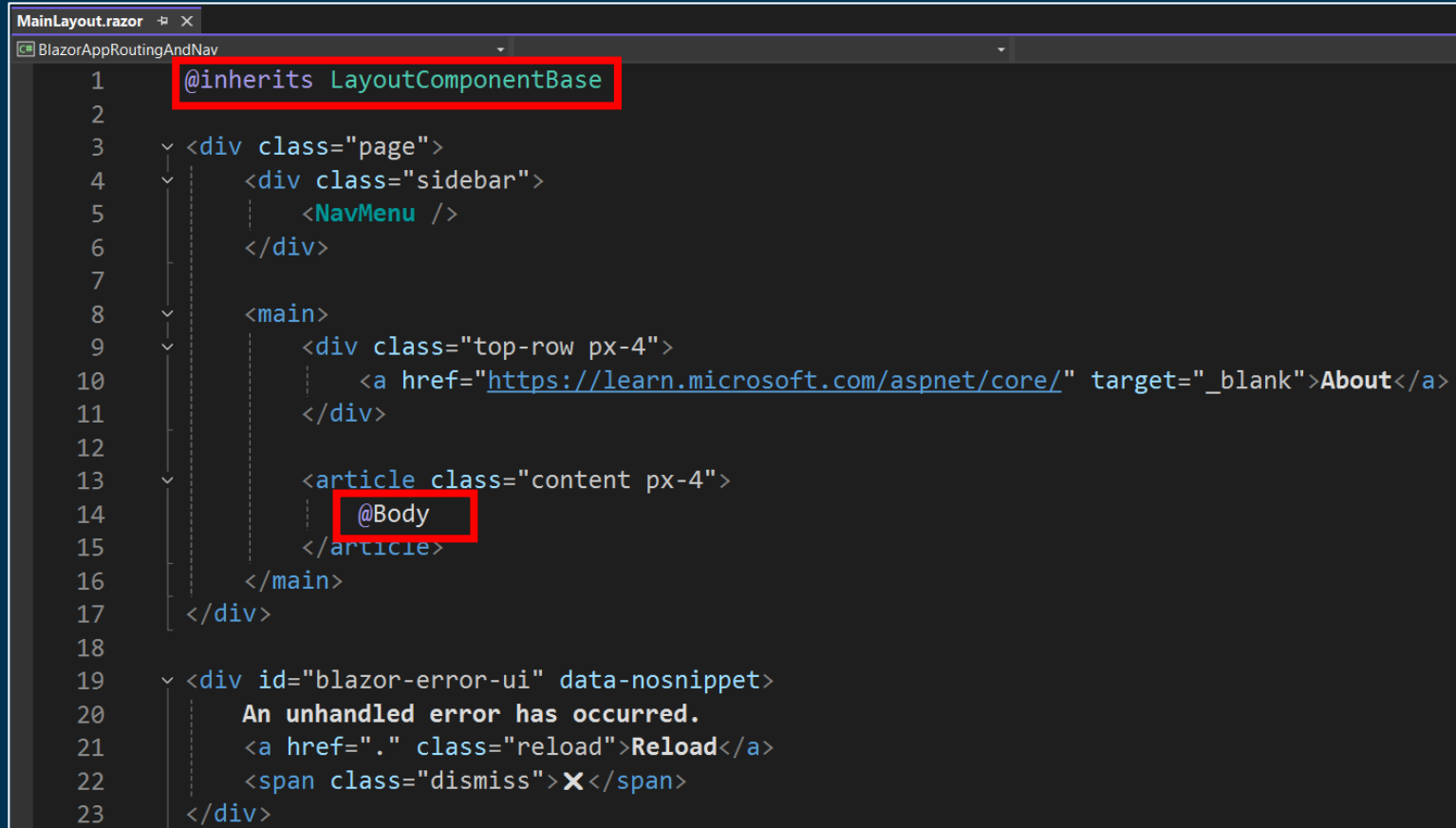
Layout Components

What Are Layout Components?

- **Layout Components** are like master pages or templates in traditional web apps.
- They define a common structure for your pages, such as headers, footers, nav menus, and sidebars.
- And then insert page-specific content inside that layout.
- Why Use Layouts?
 - Reuse consistent UI structure (e.g., navigation and footer).
 - Keep pages clean and focused only on their content.
 - Centralized styling and branding.
 - Easy to change layout globally (e.g., update nav for all pages).

Anatomy of a Layout Component

- A layout is a Razor component with a special directive `@inherits LayoutComponentBase`.
- It must contain a placeholder for the content of child pages using `@Body`.
- Have a look at the `Layout/MainLayout.razor`.
- `@inherits LayoutComponentBase` tells the Razor component to inherit behavior from the built-in class `LayoutComponentBase`, which is part of the Blazor framework.
- This is required when creating a layout component because it provides the special Blazor layout functionality, specifically, access to the `@Body` property.



```
1 @inherits LayoutComponentBase
2
3 <div class="page">
4     <div class="sidebar">
5         <NavMenu />
6     </div>
7
8     <main>
9         <div class="top-row px-4">
10             <a href="https://learn.microsoft.com/aspnet/core/" target="_blank">About</a>
11         </div>
12
13         <article class="content px-4">
14             @Body
15         </article>
16     </main>
17 </div>
18
19 <div id="blazor-error-ui" data-nosnippet>
20     An unhandled error has occurred.
21     <a href="." class="reload">Reload</a>
22     <span class="dismiss">✕</span>
23 </div>
```

Register Layout in the Router (Routes.razor)

- In `Routes.razor`, `<RouteView>` defines the default layout.
- This applies `MainLayout` to all routed components unless they override it with `@layout`.

```
<Router AppAssembly="typeof(Program).Assembly">
  <Found Context="routeData">
    <RouteView RouteData="routeData" DefaultLayout="typeof(Layout.MainLayout)" />
    <FocusOnNavigate RouteData="routeData" Selector="h1" />
  </Found>
</Router>
```



Exercise - Layout Component

- Create a new Razor component file: [Layout/MyLayout.razor](#).
 - You can copy-paste the code from here:

```
@inherits LayoutComponentBase
```

```
<div class="container-fluid">  
  <header class="bg-primary text-white p-3">  
    <h1>My Blazor App</h1>  
  </header>  
  
  <div class="row">  
    <div class="col-4 bg-dark p-2">  
      <NavMenu />  
    </div>
```

Continue ...

Continue ...

```
    <div class="col-8 p-3">  
      @Body  
    </div>  
  </div>  
  
  <footer class="mt-4 p-3 text-center text-muted">  
    © 2025 My Company  
  </footer>  
</div>
```




Exercise - Layout Component

- Create a new Razor component file: **Layout/MyLayout.razor**.
- **@Body** is where the content of the current page will be rendered.
- You can style it however you like using Bootstrap or custom CSS.

```
MyLayout.razor
@inherits LayoutComponentBase

<div class="container-fluid">
    <header class="bg-primary text-white p-3">
        <h1>My Blazor App</h1>
    </header>

    <div class="row">
        <div class="col-4 bg-dark p-2">
            <NavMenu />
        </div>

        <div class="col-8 p-3">
            @Body
        </div>
    </div>

    <footer class="mt-4 p-3 text-center text-muted">
        © 2025 My Company
    </footer>
</div>
```



Exercise - Layout Component

- Add the path to the **Layout** folder in the `_Imports.razor`.
- Change the project name "`BlazorAppRoutingAndNav`" to your own project name.

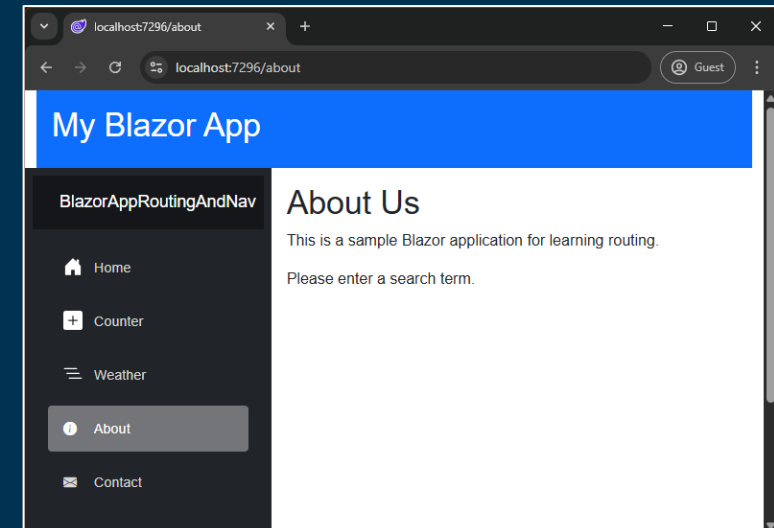
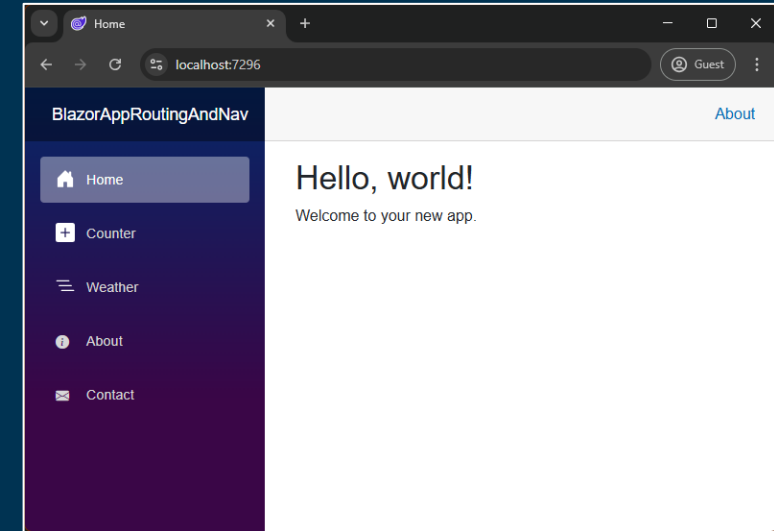
```
_Imports.razor
gAndNav
@using System.Net.Http
@using System.Net.Http.Json
@using Microsoft.AspNetCore.Components.Forms
@using Microsoft.AspNetCore.Components.Routing
@using Microsoft.AspNetCore.Components.Web
@using static Microsoft.AspNetCore.Components.Web.RenderMode
@using Microsoft.AspNetCore.Components.Web.Virtualization
@using Microsoft.JSInterop
@using BlazorAppRoutingAndNav
@using BlazorAppRoutingAndNav.Components
@using BlazorAppRoutingAndNav.Components.Layout
@using BlazorAppRoutingAndNav.Models
```



Exercise - Layout Component

- Apply `MyLayout` to the `About.razor`.

```
About.razor  MyLayout.razor
BlazorAppRoutingAndNav.Components.Pages.About
@page "/"about"
@page "/about/{id:int}"
@layout MyLayout
<h1>About Us</h1>
<p>This is a sample Blazor application for learning routing.</p>
```



Nested Layouts

- A nested layout is when one layout component is wrapped inside another layout.
- Blazor allows components to use another layout as their layout using: `@layout BaseLayout`.
- So, a layout (like `AdminLayout`) can:
 - Act as a layout for pages.
 - Also be wrapped inside another layout (like `BaseLayout`).
- This creates a layout hierarchy, where each level adds structure.
- Think of `BaseLayout` as the outer HTML frame (like the `<html>` and `<body>`), and `MainLayout` or `AdminLayout` as sections inside it (like sidebar + top row).

```
BaseLayout
├── MainLayout
│   ├── Home.razor, About.razor, Product.razor
├── AdminLayout
│   ├── AdminProduct.razor, AdminDashboard.razor
```

Why Use Nested Layouts?

- **Avoids Code Duplication:**

- Without nesting: MainLayout and AdminLayout would both define the same `<div class="page">`, error UI, etc.
- With nesting, you put shared UI (like the error banner) in BaseLayout, and both layouts inherit it.

- **Improves Maintainability:**

- Need to change a wrapper `<div>`, layout style, or error UI?
- Do it once in BaseLayout, and all nested layouts benefit.
- Keeps each layout's job focused and clean.

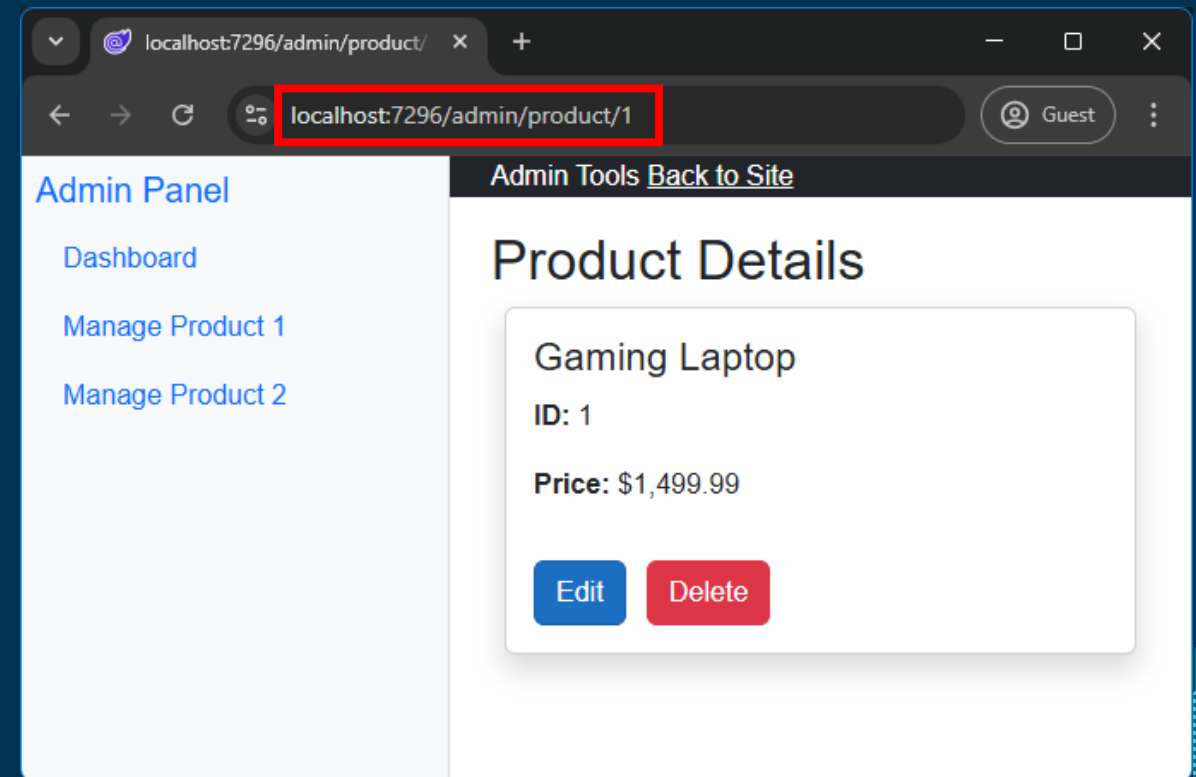
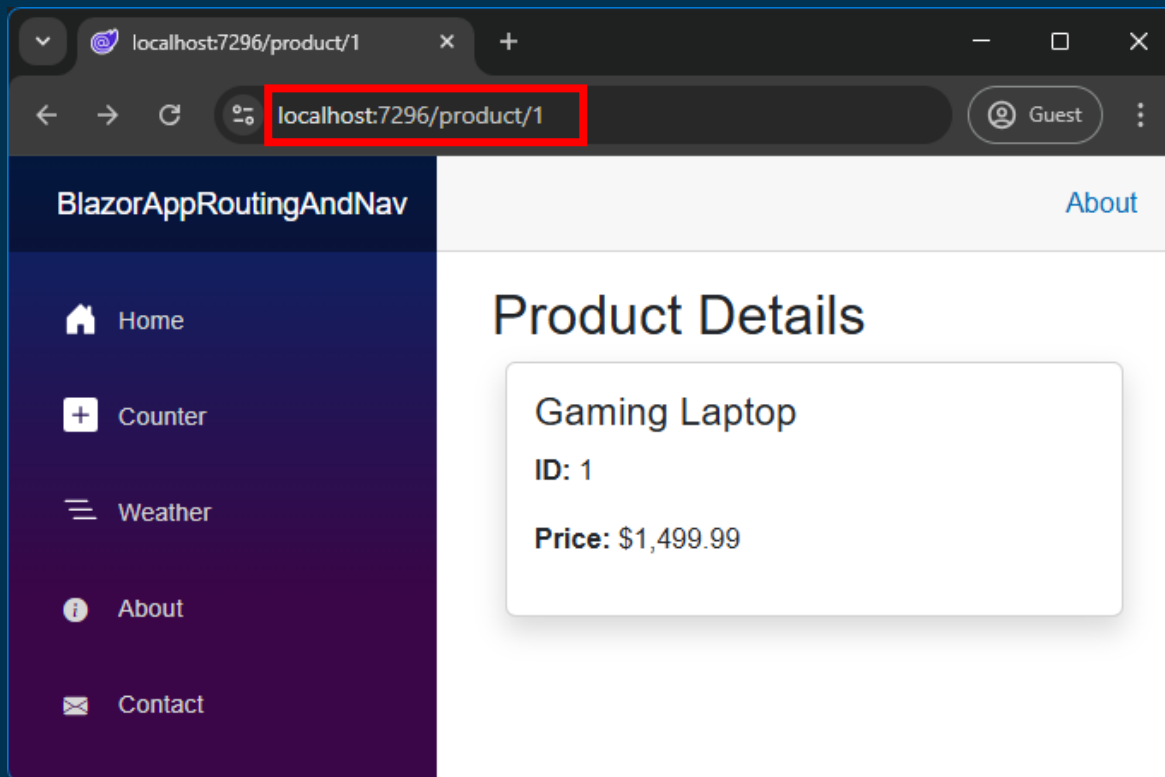
- **Enforces Consistency:**

- All pages use the same top-level structure automatically.
- Nested layouts only handle role-specific or feature-specific layouts.



Exercise - Nested Layouts

- Use nested layouts to create separate UI for standard **user** and **admin**.
- User can only view product details whereas, admin can Edit or Delete as well.





Exercise - Nested Layouts

- Create a new Razor component file: `Layout/BaseLayout.razor`.
- Copy the `<div class="page">` and `<div id="blazor-error-ui">` from the `MainLayout` to `BaseLayout`.
- Add `@Body` to the `<div class="page">`.

```
@inherits LayoutComponentBase
```

```
<div class="page">  
    @Body  
</div>
```

```
<div id="blazor-error-ui" data-nosnippet>  
    An unhandled error has occurred.  
    <a href="." class="reload">Reload</a>  
    <span class="dismiss">✕ </span>  
</div>
```



Exercise - Nested Layouts

- Go to MainLayout: `Layout/MainLayout.razor`.
- Change the class of `<div class="page">` to `<div class="layout-container">`.
- Delete `<div id="blazor-error-ui">`.

```
@inherits LayoutComponentBase  
@layout BaseLayout
```

```
<div class="layout-container">  
  <div class="sidebar">  
    <NavMenu />  
  </div>
```

Continue ...

Continue ...

```
<main>  
  <div class="top-row px-4">  
    <a  
      href="https://learn.microsoft.com/aspnet/core/"  
      target="_blank">About</a>  
  </div>  
  
  <article class="content px-4">  
    @Body  
  </article>  
</main>  
</div>
```




Exercise - Nested Layouts

- Create a new Razor component file: [Layout/AdminLayout.razor](#).
- You can copy-paste the code from here:

```
@layout BaseLayout
@inherits LayoutComponentBase

<div class="layout-container">
  <div class="sidebar bg-light">
    <nav class="nav flex-column p-2">
      <h5 class="text-primary">Admin Panel</h5>
      <NavLink href="/admin/dashboard"
class="nav-link">Dashboard</NavLink>
      <NavLink href="/admin/product/1"
class="nav-link">Manage Product 1</NavLink>
      <NavLink href="/admin/product/2"
class="nav-link">Manage Product 2</NavLink>
    </nav>
  </div>
  Continue...
```

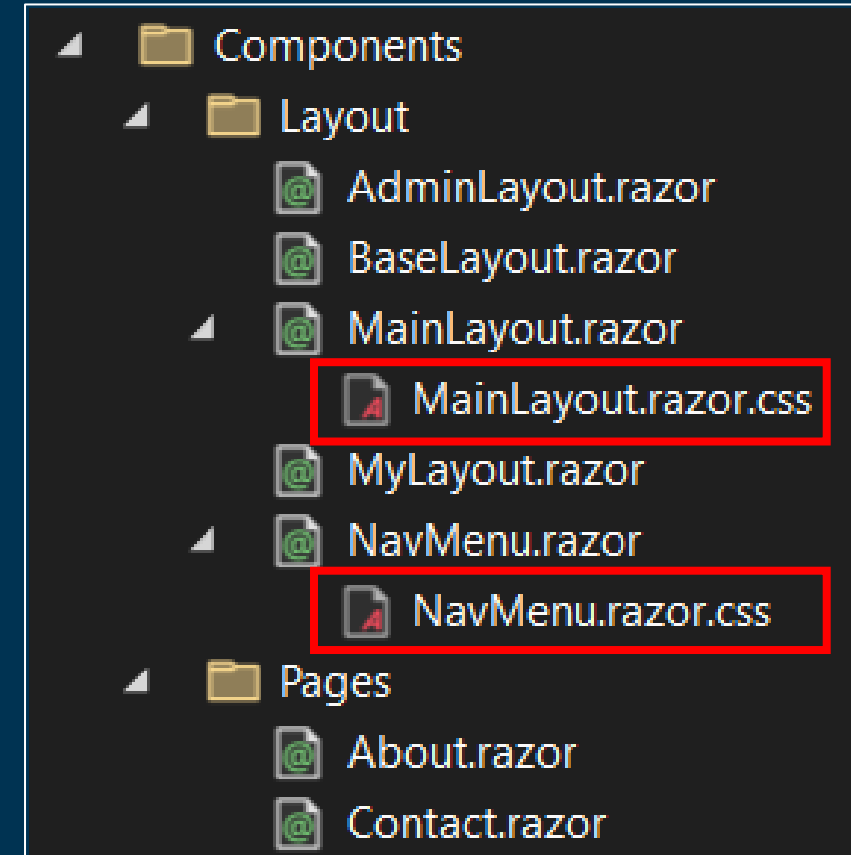
```
Continue...
  <main>
    <div class="top-row bg-dark text-white px-4">
      <span>Admin Tools</span>
      <a href="/" class="ms-auto text-white text-decoration-underline">Back to Site</a>
    </div>

    <article class="content px-4">
      @Body
    </article>
  </main>
</div>
```



Exercise - Nested Layouts

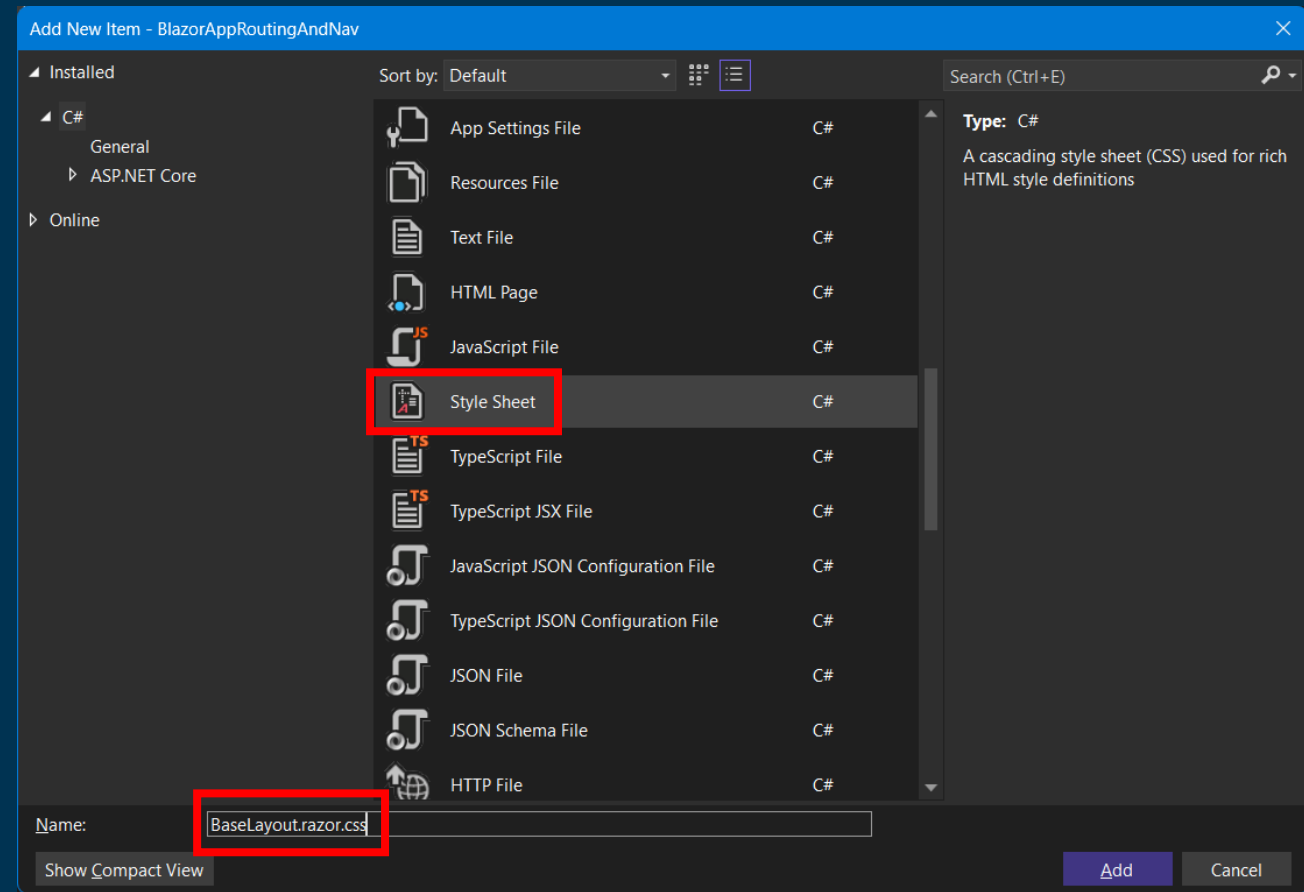
- Now we need to fix some CSS of these Layouts.
- Notice how the **built-in layouts**, **MainLayout** and **NavMenu** have CSS files under their names.
- These are called **Scoped CSS files**.
- When you add a file named **ComponentName.razor.css** in the **same folder** as the **.razor** file, Blazor will:
 - Automatically scope the CSS to that component.
 - Apply styles only within that component's rendered markup.
 - Add it under the **.razor** file in Solution Explorer (like a linked file).





Exercise - Nested Layouts

- To create a **CSS File** for **BaseLayout.razor**, right-click on **Layout** folder.
- Select **Add → New Item**.
- Choose **Style Sheet**.
- Name it **BaseLayout.razor.css**.
- Visual Studio will automatically link it under **BaseLayout.razor**.





Exercise - Nested Layouts

- Once **BaseLayout.razor.css** created, copy-paste the CSS code from here:

```
.page {  
    position: relative;  
    display: flex;  
    flex-direction: column;  
}  
#blazor-error-ui {  
    color-scheme: light only;  
    background: lightyellow;  
    bottom: 0;  
    box-shadow: 0 -1px 2px rgba(0, 0, 0, 0.2);  
    box-sizing: border-box;  
    display: none;  
    left: 0;  
    padding: 0.6rem 1.25rem 0.7rem 1.25rem;  
    position: fixed;  
    width: 100%;  
    z-index: 1000;  
}
```

```
#blazor-error-ui .dismiss {  
    cursor: pointer;  
    position: absolute;  
    right: 0.75rem;  
    top: 0.5rem;  
}
```



Exercise - Nested Layouts

- Go to `MainLayout.razor.css`.
- Delete the CSS code under `.page`.
- And delete `#blazor-error-ui` and `#blazor-error-ui .dismiss`.

```
MainLayout.razor.css  BaseLayout.razor.css
.page {
  position: relative;
  display: flex;
  flex-direction: column;
}

main {
  flex: 1;
}
```

```
MainLayout.razor.css  BaseLayout.razor.css  AdminLayout.razor  BaseLayout.razor.css
#blazor-error-ui {
  color-scheme: light only;
  background: lightyellow;
  bottom: 0;
  box-shadow: 0 -1px 2px rgba(0, 0, 0, 0.2);
  box-sizing: border-box;
  display: none;
  left: 0;
  padding: 0.6rem 1.25rem 0.7rem 1.25rem;
  position: fixed;
  width: 100%;
  z-index: 1000;
}

#blazor-error-ui .dismiss {
  cursor: pointer;
  position: absolute;
  right: 0.75rem;
  top: 0.5rem;
}
```



Exercise - Nested Layouts

- Add CSS code for `.layout-container` to the `MainLayout.razor.css`.

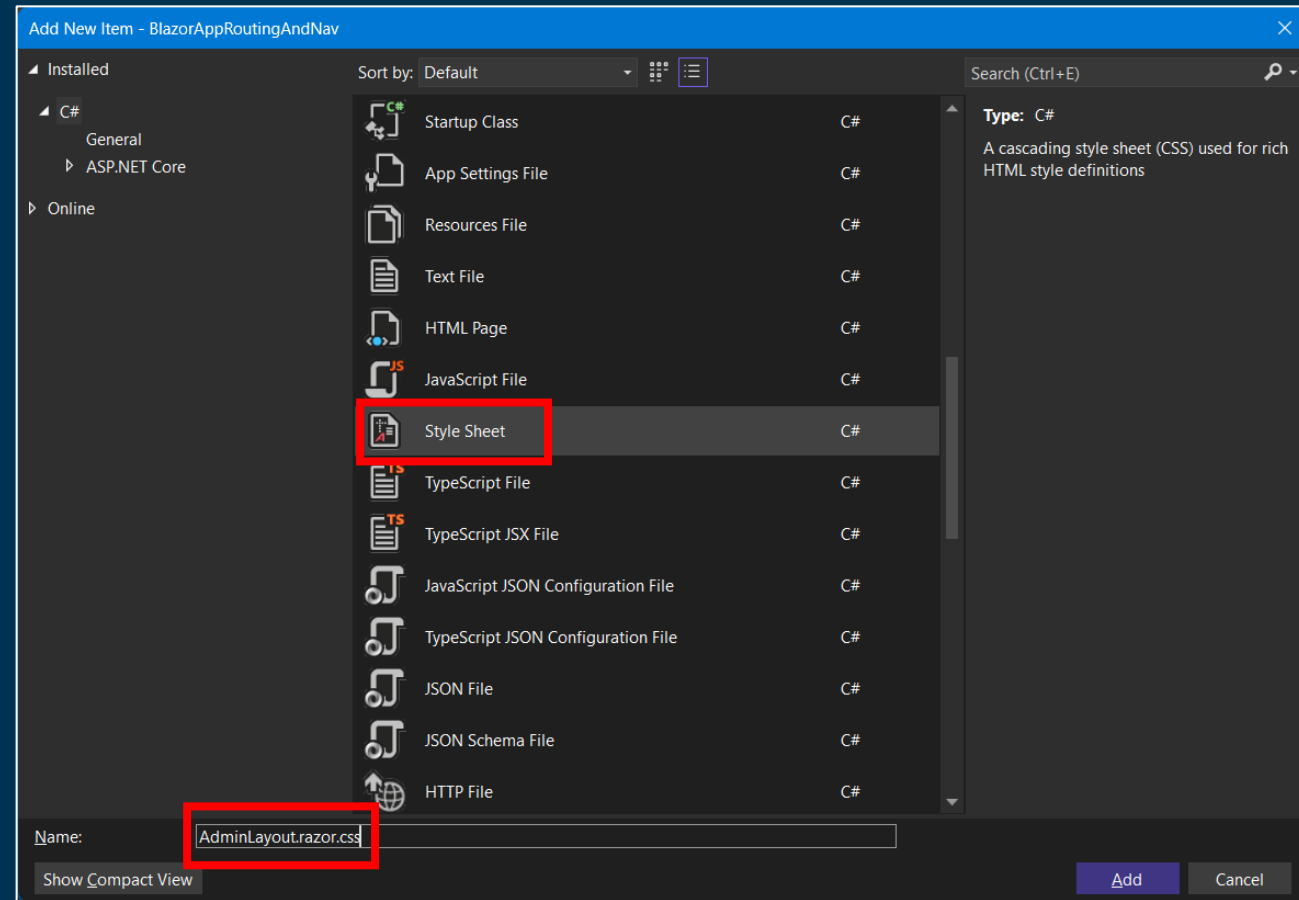
```
MainLayout.razor.css  BaseLayout.razor.css
.layout-container {
    display: flex;
    flex: 1;
}

main {
    flex: 1;
}
```



Exercise - Nested Layouts

- Create another **CSS File** for **AdminLayout.razor** by right-clicking on **Layout** folder.
- Select **Add → New Item**.
- Choose **Style Sheet**.
- Name it **AdminLayout.razor.css**.





Exercise - Nested Layouts

- Once [AdminLayout.razor.css](#) created, copy-paste the CSS code from here:

```
.sidebar {  
    width: 250px;  
    height: 100vh;  
    position: sticky;  
    top: 0;  
    border-right: 1px solid #ddd;  
    background-color: #f8f9fa;  
}  
main {  
    flex: 1;  
    display: flex;  
    flex-direction: column;  
}  
.layout-container {  
    display: flex;  
    flex: 1;  
}
```




Exercise - Nested Layouts

- Go to **Product.razor** and provide the **MainLayout** as its layout.

```
Product.razor  [icon] [X]
ndNav  BlazorAppRoutingAndNav.C
@page "/product/{id:int}"

@layout MainLayout

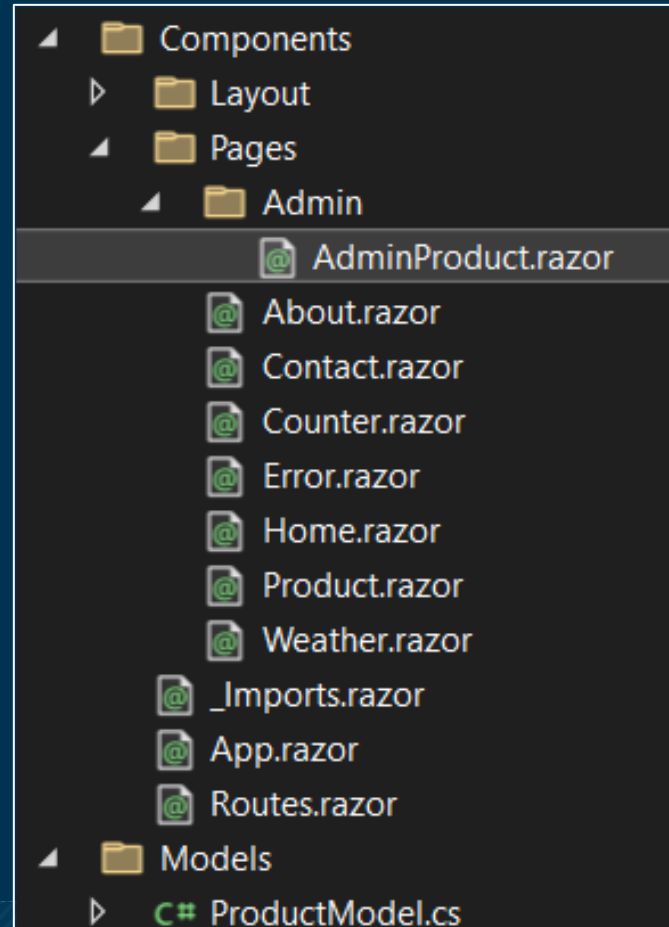
<h1>Product Details</h1>

@if (product != null)
{
    <div class="card p-3 m-2 shadow">
```



Exercise - Nested Layouts

- Add a new folder **Admin** to the **Pages** folder.
- Then, add a new razor component **AdminProduct.razor** inside the **Admin** folder.





Exercise - Nested Layouts

- For **AdminProduct.razor** page you can copy-paste the code from here:

```
@page "/admin/product/{id:int}"
@layout AdminLayout
<h1>Product Details</h1>
@if (product != null)
{
    <div class="card p-3 m-2 shadow">
        <h4>@product.Name</h4>
        <p><strong>ID:</strong> @product.Id</p>
        <p><strong>Price:</strong>
        @product.Price.ToString("C")</p>
        <!-- Dummy admin actions -->
        <div class="mt-3">
            <button class="btn btn-
primary">Edit</button>
            <button class="btn btn-danger ms-
2">Delete</button>
        </div>
    </div>
}
```

```
else
{
    <div class="alert alert-warning">
        Product not found. <NavLink href="/">Go back
to home</NavLink>
    </div>
}

Continue ...
```



Exercise - Nested Layouts

- For **AdminProduct.razor** page you can copy-paste the code from here:

```
@code {  
    [Parameter]  
    public int Id { get; set; }  
  
    private ProductModel? product;  
  
    private List<ProductModel> products = new()  
    {  
        new ProductModel(1, "Gaming Laptop",  
1499.99M),  
        new ProductModel(2, "Wireless Mouse",  
29.99M),  
        new ProductModel(3, "Mechanical Keyboard",  
79.50M),  
        new ProductModel(4, "27-inch Monitor",  
299.00M),  
        new ProductModel(5, "USB-C Dock", 59.95M)  
    };  
    Continue ...
```

Continue ...

```
        protected override void OnInitialized()  
        {  
            product = products.Find(p => p.Id == Id);  
        }  
    }
```



Exercise - Nested Layouts

- The `@page` directive points to the route `/admin/product/{id}`.
- It uses `AdminLayout` as its layout.
- There are some dummy buttons to simulate Edit and Delete functionality.
 - *The buttons don't work in this example.*
- The remainder code is like the one in `Product.razor` component.

```
AdminProduct.razor Product.razor
BlazorAppRoutingAndNav.Components.Pages.Admin.AdminProduct OnInitialized()
@page "/admin/product/{id:int}"
@layout AdminLayout

<h1>Product Details</h1>

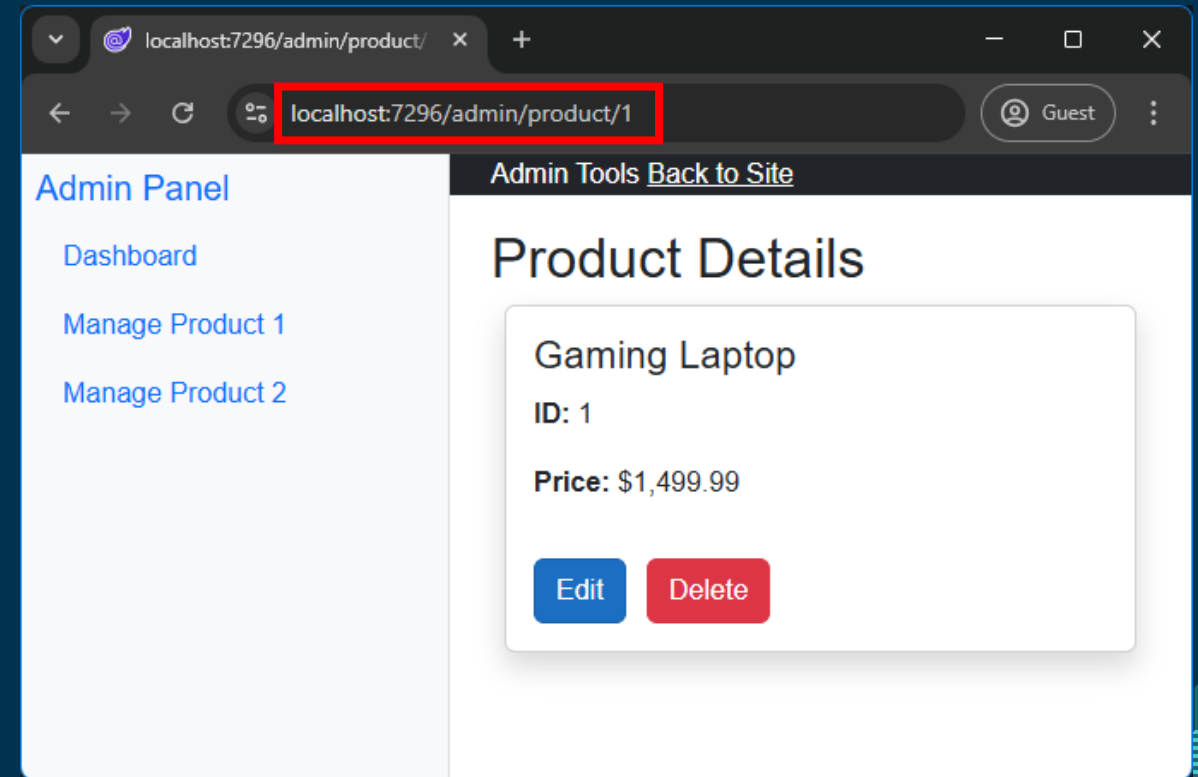
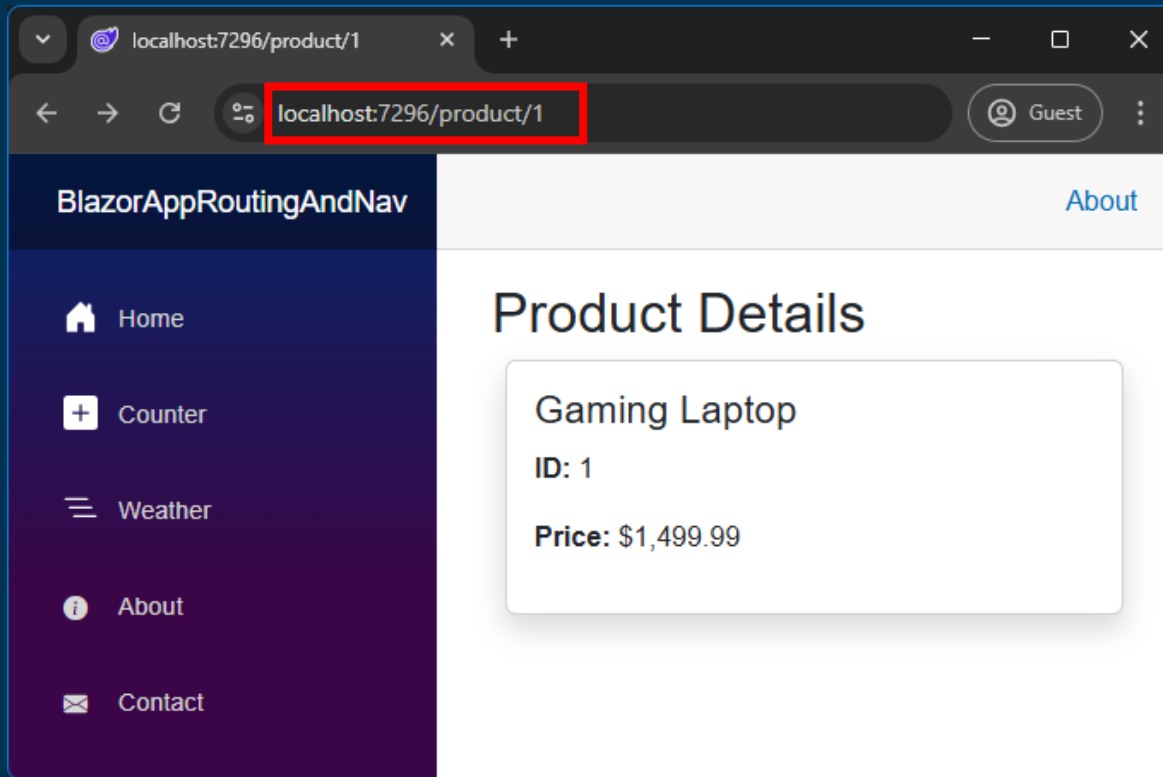
@if (product != null)
{
    <div class="card p-3 m-2 shadow">
        <h4>@product.Name</h4>
        <p><strong>ID:</strong> @product.Id</p>
        <p><strong>Price:</strong> @product.Price.ToString("C")</p>

        <!-- Dummy admin actions -->
        <div class="mt-3">
            <button class="btn btn-primary">Edit</button>
            <button class="btn btn-danger ms-2">Delete</button>
        </div>
    </div>
}
```



Exercise - Nested Layouts

- Run the app and try navigating to:
 - /product/1
 - /admin/product/1





Do It Yourself!

- **Show User Profile by ID:**

- Create a new Razor component: `UserProfile.razor`.
- Accept a route parameter for `id`:

```
@page "/user/{id:int}"
```

- Display a fake user profile based on the `id`.
- Use a list like:

```
private List<User> Users = new()  
{  
    new User { Id = 1, Name = "Alice" },  
    new User { Id = 2, Name = "Bob" }  
};
```

- Test with `/user/1`, `/user/2`, etc.



Do It Yourself!

- **Optional Route Parameter with Fallback:**

- Create a page: **Welcome.razor**.
- Define a route like:

```
@page "/welcome"  
@page "/welcome/{name}"
```

- If name is supplied, show “Welcome, [name]”.
- If not, show a default message: “Welcome, Guest”.



Do It Yourself!

- **Admin vs. User Layout (UI Only):**
 - Create two layouts:
 - `UserLayout.razor`: Regular sidebar and top bar.
 - `AdminLayout.razor`: Sidebar includes links to “Dashboard”, “Manage Users”, etc.
 - Create two pages:
 - `UserHome.razor` using `UserLayout`.
 - `AdminHome.razor` using `AdminLayout`.
 - Add fake links like:
 - `/user/home` → standard view.
 - `/admin/home` → admin view.

The background is a dark blue gradient. A diagonal line runs from the bottom-left towards the top-right. To the left of this line is a lighter blue area. To the right is the dark blue area. A thin, hatched blue band follows the diagonal line.

Thank You

References

Some material has been taken from:

- Use pages, routing, and layouts to improve Blazor navigation:
 - <https://learn.microsoft.com/en-us/training/modules/use-pages-routing-layouts-control-blazor-navigation/1-introduction>

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