.NET App Dev Hands-On Lab

Blazor Lab 1 – The Blazor Projects

This lab walks you through creating the Blazor Web Assembly (WASM) project and adding/updating the NuGet packages. Before starting this lab, you must have completed API Lab 4.

Part 1: Create the Projects

- Create the Class Library for the entities and add it to the solution:

```
[Windows]
dotnet new classlib -lang c# -n AutoLot.Blazor.Models -o .\AutoLot.Blazor.Models -f net8.0
dotnet sln AutoLot.sln add AutoLot.Blazor.Models
dotnet add AutoLot.Blazor.Models package Microsoft.VisualStudio.Threading.Analyzers -v [17.*,18.0)
```

- Create the Blazor WebAssembly Standalone App project, add it to the solution, and add a reference to the class library:

```
[Windows]
dotnet new blazorwasm -lang c# -au none -n AutoLot.Blazor -o .\AutoLot.Blazor -f net8.0
dotnet sln AutoLot.sln add AutoLot.Blazor
dotnet add AutoLot.Blazor reference AutoLot.Blazor.Models
```

- Add the required NuGet packages to the project (each on only one line):

```
dotnet add AutoLot.Blazor package Microsoft.Extensions.Options.ConfigurationExtensions -v
[8.0.*,9.0)
dotnet add AutoLot.Blazor package Microsoft.Extensions.Http -v [8.0.*,9.0)
dotnet add AutoLot.Blazor package Microsoft.VisualStudio.Threading.Analyzers -v [17.*,18.0)
```

Part 2: Disable Nullable Reference Types

- Open the new project files (*.csproj) and update the `PropertyGroup` to disable nullable reference types:

```
<Nullable>disable</Nullable>
```

- Open the NavMenu.Razor file and update the string property not to be nullable:

```
private string NavMenuCssClass => collapseNavMenu ? "collapse" : null;
```

Part 3: Adjust the launchsettings.json file

Open the `launchsettings.json` file (in the `Properties` directory of the project) and move the `HTTPS` profile to the top.

Summary

This lab created the Blazor Wasm project and the shared class library for the models.

Next steps

In the next part of this tutorial series, you will start building the Blazor application.