



Project Structure

Introduction

This document will introduce the structure of the project. The project itself use and follow the ABP Framework product and documentation. ABP Framework created by Volosoft

ABP Framework is a complete infrastructure based on the ASP.NET Core to create modern web applications and APIs by following the software development best practices and the latest technologies.

ABP Framework is free and open source.

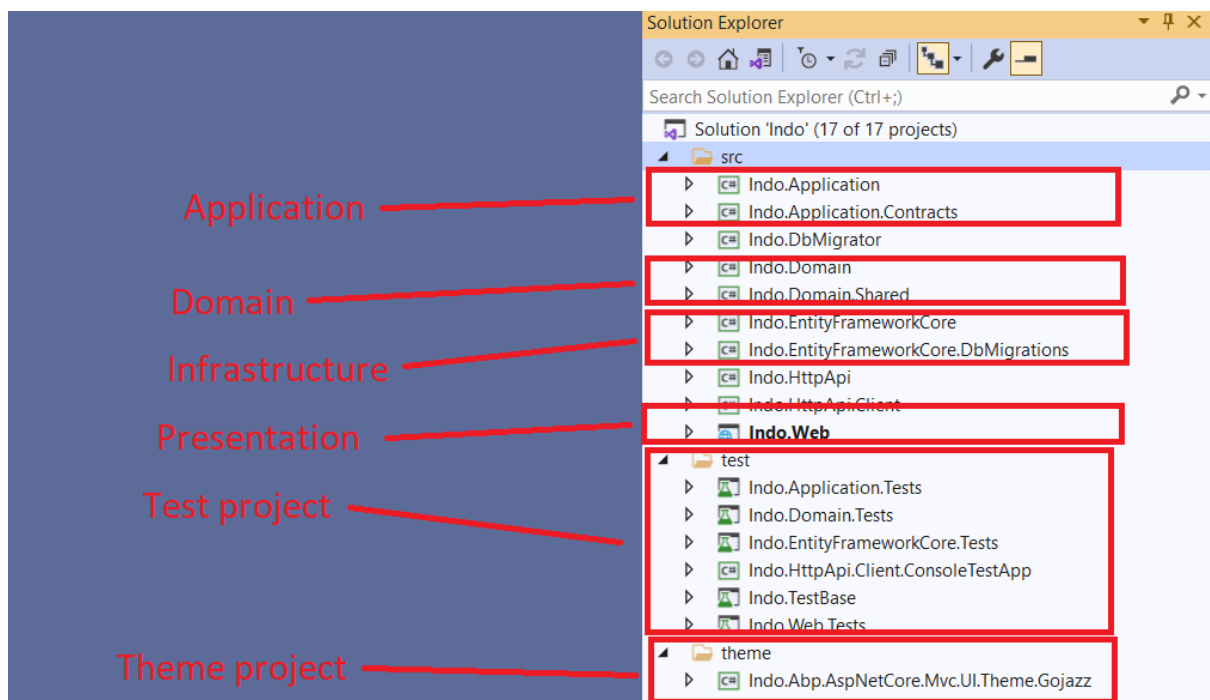
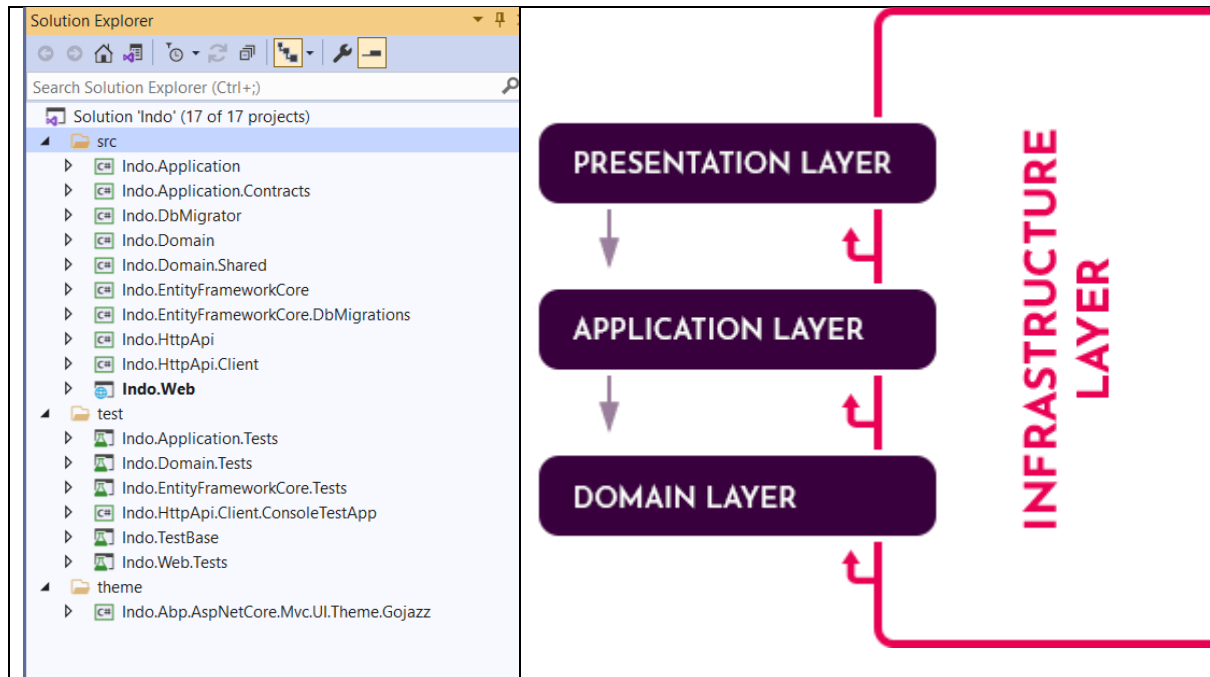
More about ABP Framework can be read on their official sites:

- Documentation: <https://docs.abp.io/en/abp/latest>
- Project Source Code: <https://github.com/abpframework/abp>
- Official Volosoft Company Website: <https://volosoft.com/>

ASP.NET Core 5 Razor Pages

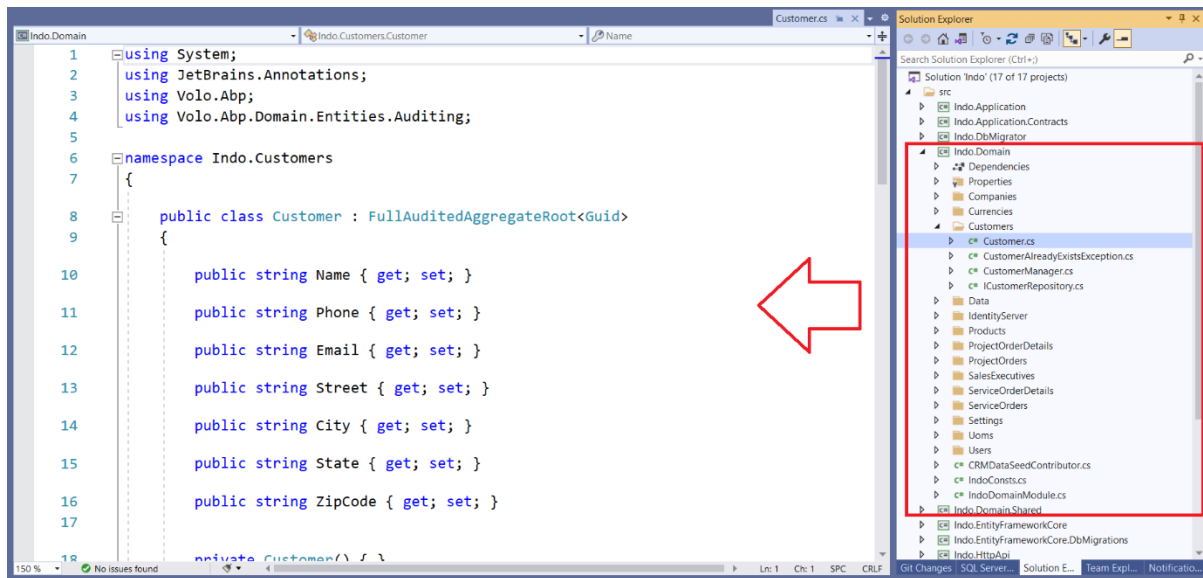
ABP Framework can be implemented using various Web UI technologies such as: Angular, Blazor, MVC and Razor Pages.

This product designed specifically to be used on ASP.NET Core 5 Razor Pages. Below is the complete project structure that follow the clean architecture:



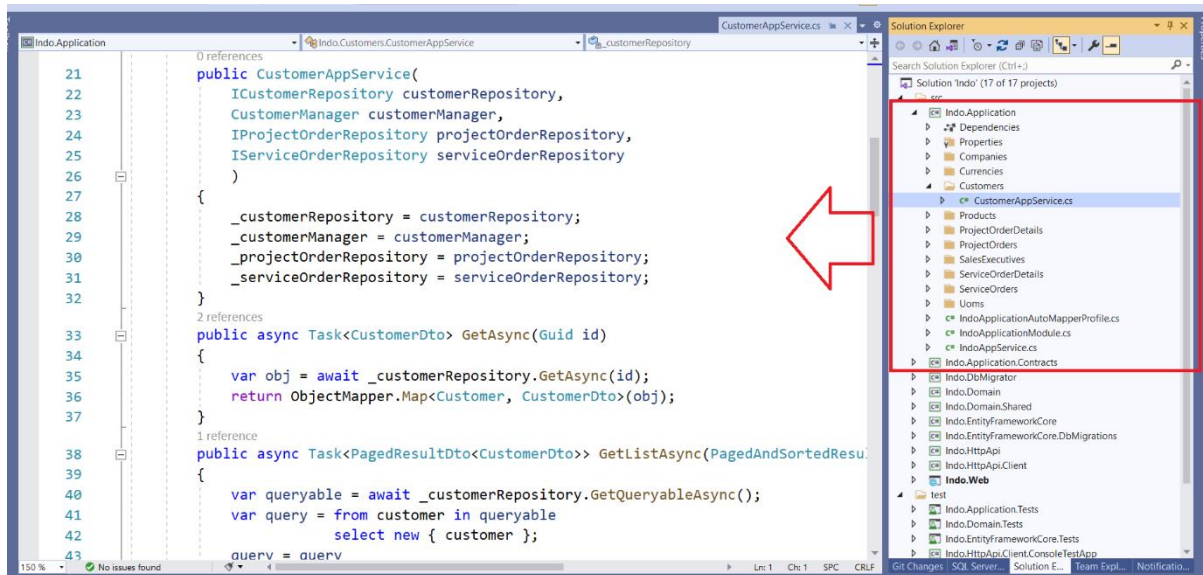
Domain Layer

Includes business objects and the core (domain) business rules. This is the heart of the application.



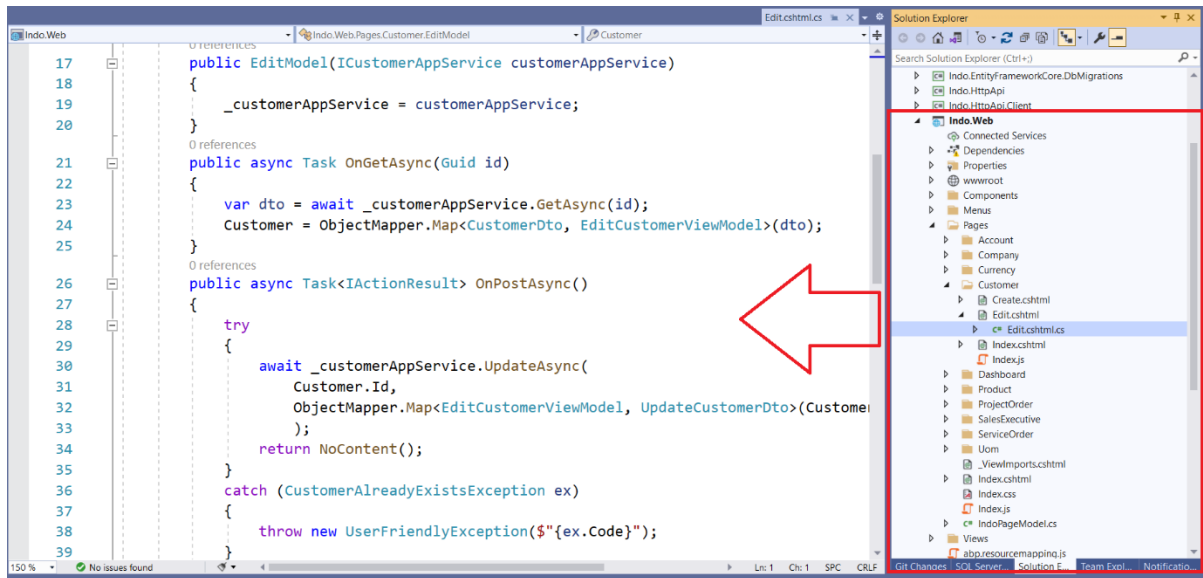
Application Layer

Mediates between the presentation and domain layers. Orchestrates business objects to perform specific application tasks. Implements use cases as the application logic.



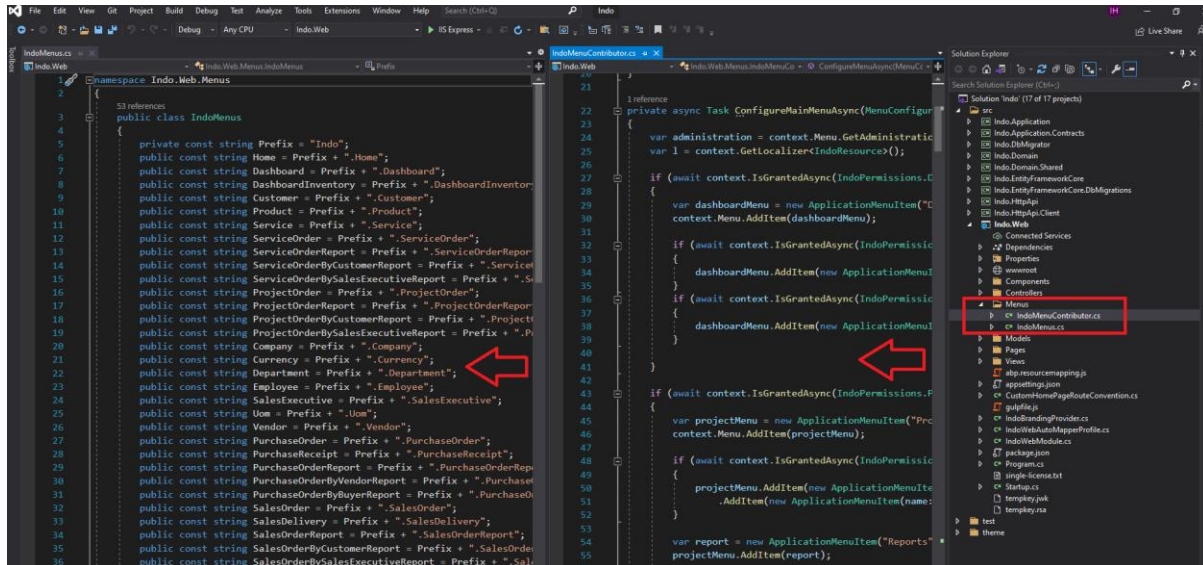
Presentation Layer

Provides an interface to the user. Uses the application layer to achieve user interactions.



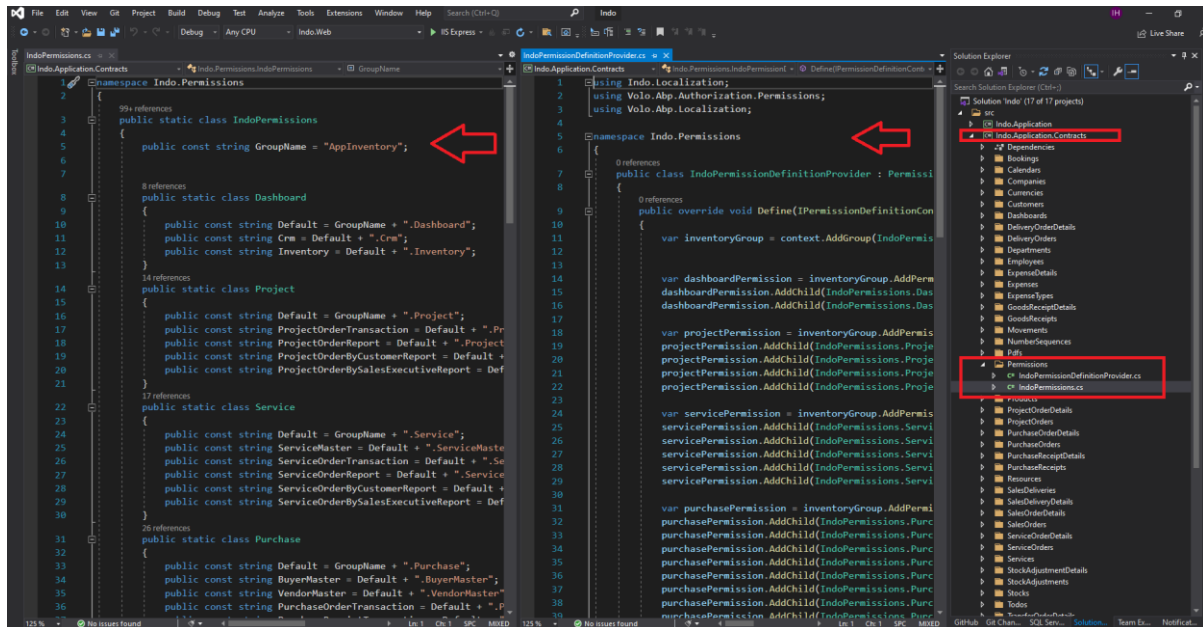
Menu Management

Provides mechanism to manage the menus.



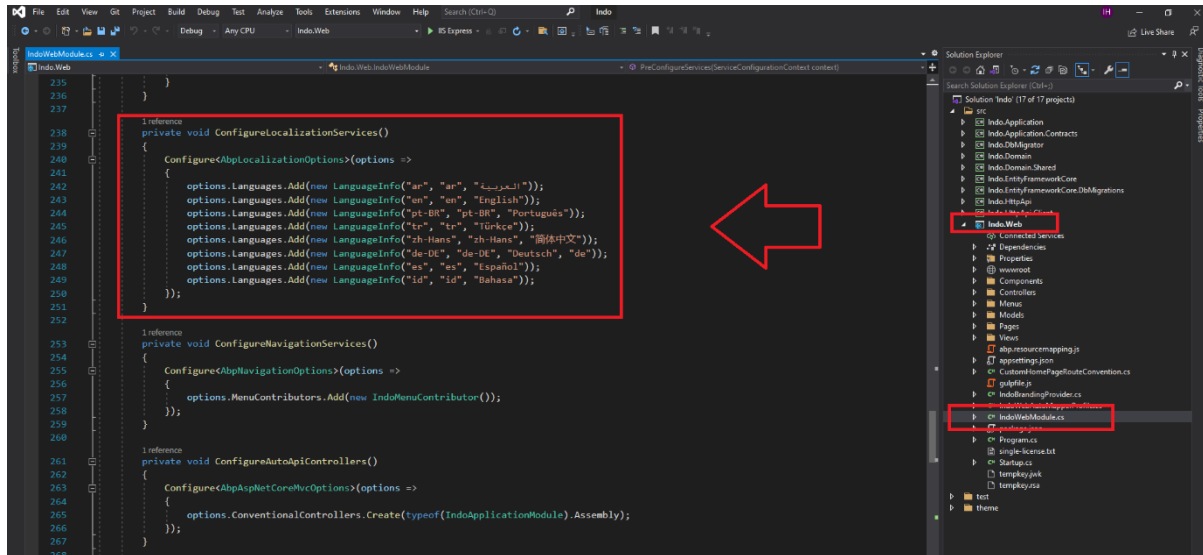
RBAC Management

RBAC or Roles Based Access Control, before can be used at user interface level, it definition should be created first. The source code located at Application Contracts project.

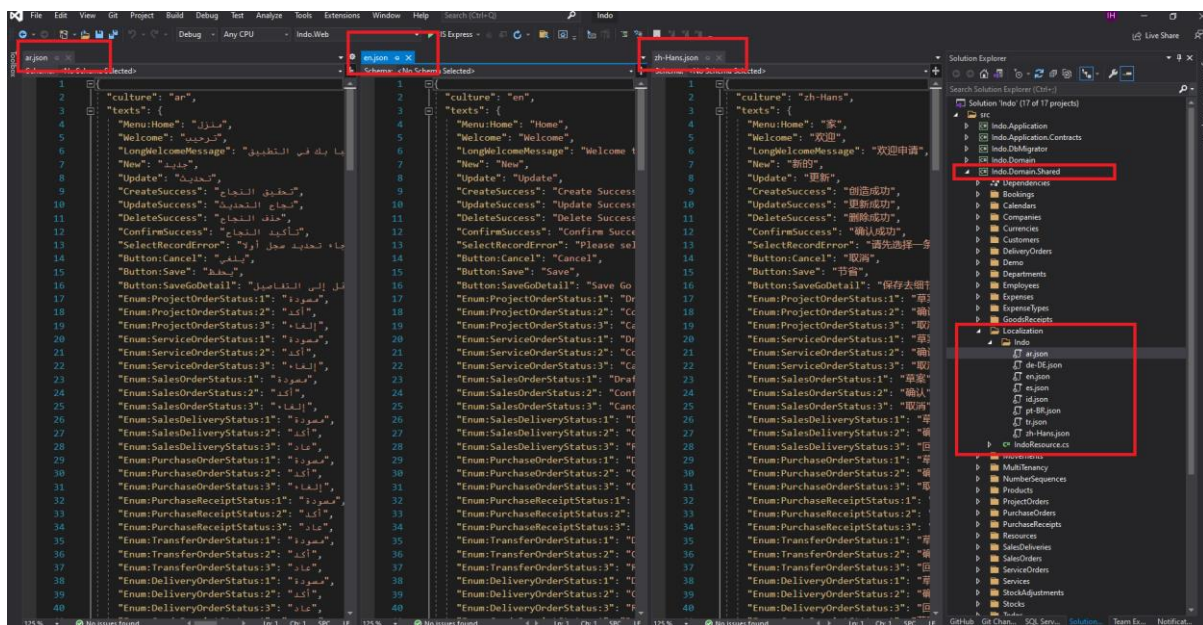


Localization for multi language can be achieved easily by configuring each language with its translations in the format of JSON.

Language that will be supported, can be configure at Web project:



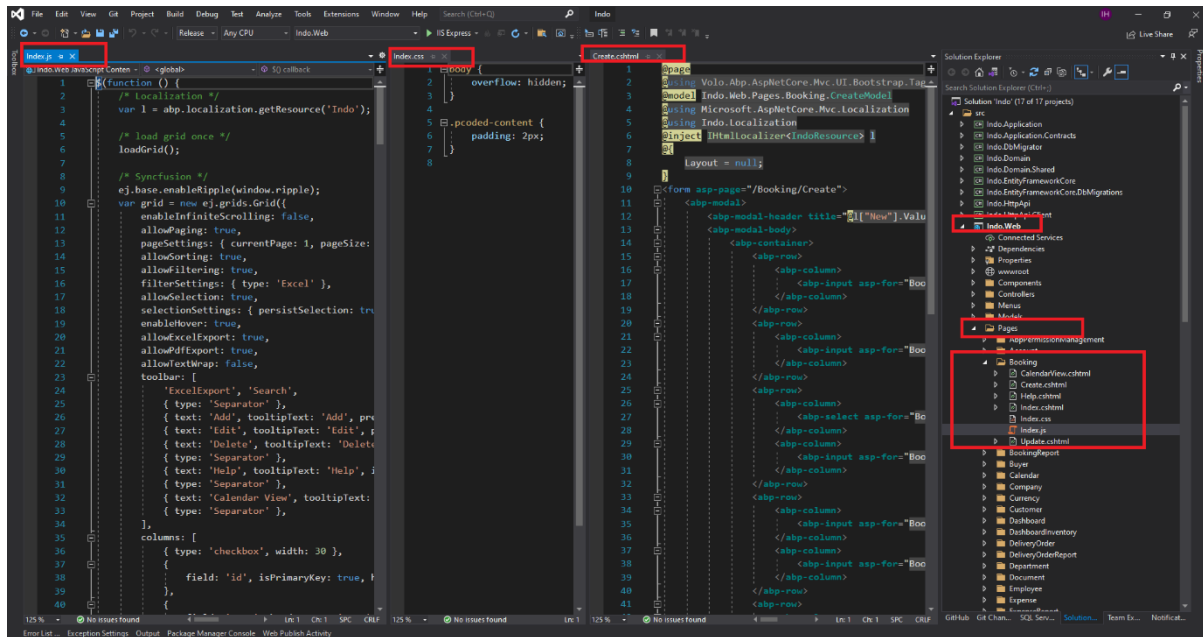
The translations, can be configured at Domain Shared project:



User Interface (UI)

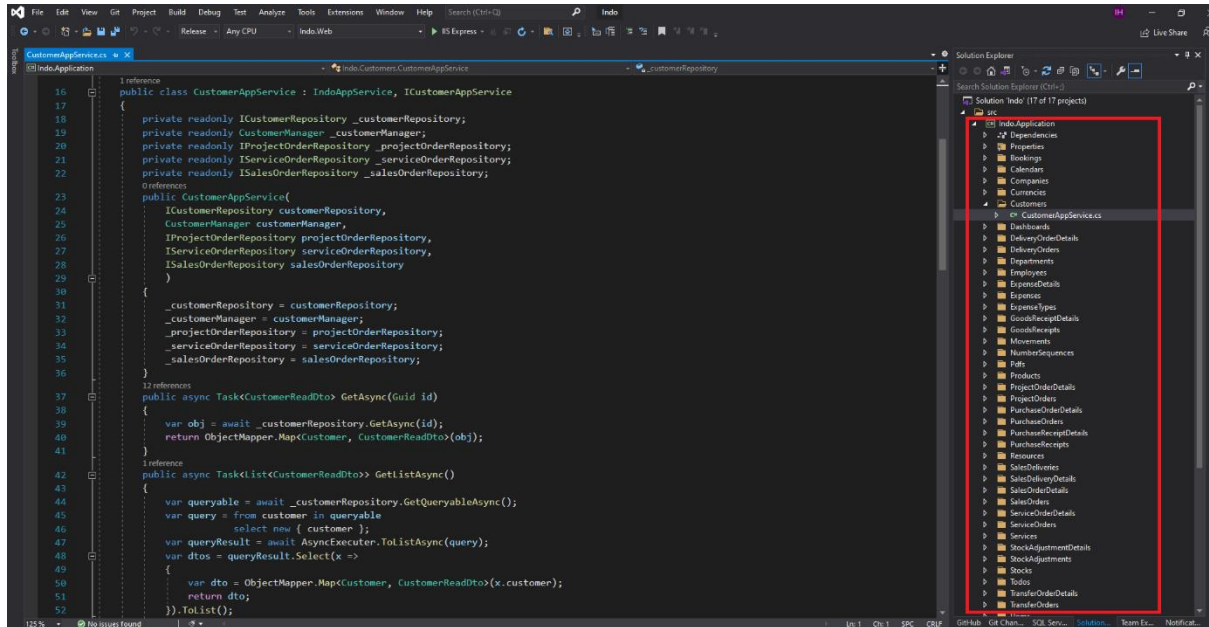
The UI following Microsoft official ASP.NET Core Razor Pages approach, which is the desired and recommended approach by Microsoft compare to classic MVC approach.

All the UI resides under the Pages folder of Web project and grouped by folders which contains CSHTML, CSS and JavaScript.



REST API

All the method at Application project, will be auto magically converted into REST API



Check and test using swagger (already pre configured, no additional steps required)

Using URL: <https://localhost:xxx/swagger>

