# Project Development Roadmap

1. Create a .NET Aspire Empty App project.
2. Give Solution name as your project name and if you want change the solution folder in Location, Create in new folder option must be checked.
3. Select .NET 8.0 as the Framework, check Configure for HTTPS and select .NET Aspire version as 8.2.
4. In Solution Explorer create a new project called CORE under your solution, right click the Solution then Add -> New Project, then search for Class Library and select it, give the project name CORE then select .NET 8.0 as the Framework.
5. Create the folders and classes under the CORE project as in:

<https://github.com/cagilalsac/PMSCTIS/tree/master/CORE>

You can right click on CORE project then Add -> New Folder to create a folder,

you can right click on the folder then Add -> Class to create a new C# Class File with the extension .cs.

The folder and file structure must be as below:

APP\Domain\Entity.cs

APP\Features\Handler.cs

APP\Features\Request.cs

APP\Features\Response.cs

1. Create a new project under your solution as Class Library and give the name APP.Projects.
2. Create the Tag entity class under the Domain folder as in:

<https://github.com/cagilalsac/PMSCTIS/blob/master/APP.Projects/Domain/Tag.cs>

1. Create the ProjectsDb DbContext class under the Domain folder as in:

<https://github.com/cagilalsac/PMSCTIS/blob/master/APP.Projects/Domain/ProjectsDb.cs>

1. Right click on your APP.Projects project then Manage NuGet Packages, then from Browse tab search for Microsoft.EntityFrameworkCore.SqlServer package, select the latest version starting with 8 and install.
2. Create a new project under the solution named API.Projects, search for web api and select ASP.NET Core Web API template, select .NET 8 as the Framework, Authentication type as None, check Configure for HTTPS and Enable container support with Container OS Linux and Container build type Docerfile, check Enable OpenAPI support, Use controllers and Enlist in .NET Aspire orchestration.
3. Right click on API.Projects then Manage NuGet Packages, then from Browse tab search for Microsoft.EntityFrameworkCore.Tools package, select the latest version starting with 8 and install.