AIHiringAssignment

This restaurant system made via *C# Web Api (.Net Framework 4.7.2), Angular (8) with Database in MSSQL* allows the user to

- Add new ingredients
- Update Ingredient name and price
- Delete them
- Multiple **Ingredients** can be selected from the *multi select* list and given a recipe name to store it in the database.
- Every recipe is put again in the list of Ingredients as It may be Intermediate Inventory or used as Ingredient in other recipes
- Every Ingredient or recipe can be deleted -The Ingredients of every recipe and Intermediate Ingredient can be updated
- The price is calculated and shown while you select multiple ingredients
- The price can be manually set as well
- Validation of at least 2 Ingredients to make a recipe
- Name of recipe or ingredient while updating or creating must not be empty

Structure

The C# Web Api Project **AfinitiAssignment** folder has its files and the angular app in **AfinitInsightFrontEnd** folder.

Installation

- Visual Studio must be installed with *.Net Framework 4.7.2*

- Now open the *AfinitiAssignment.sln* from the folder AfinitAssignment in Visual Studio

- Right Click on the Solution In Visual Studio and Click Restore Nuget Packages to get any missing packages.

- NodeJS must be installed.

- Use the **NPM** Node package manager in Terminal/Powershell or Command Prompt to install angular

```
npm install -g @angular/cli
```

- Go to the **AfinitInsightFrontEnd** folder and run

```
npm install
```
to install any missing modules

- [Microsft SQL Management Studio](#) 14 or later must be installed

- Restore the database file *Afinit Database.bak* from the Afinit Assignment folder. [How to Restore](#)

- In Visual Studio open **Web.Config** and modify the connection data source part (*.\SQLEXPRESS*) to the name of your SQL Server. [Setting up Conenection Strings](#)

Usage

- In Visual Studio click start or press *f5* to run the web api
- Now from the folder *AfinitInsightFrontEnd* in Terminal or Command prompt run

```
ng serve
```
to start the Angular app and open **localhost:4200** in any browser.

- That is it!

Main Code Files

Visual Studio:

- IngredientsController.cs
- RecipesController.cs
- Models Folder all files.

Angular:

- ingredient.component.ts
- ingredient.component.html
- ingredient.service.ts
- recipe.services.ts
- api.service.ts