

Food Lovers Market Developer Assessment

Instructions

Create a basic application (Web or Windows Forms) that provides the basic functionality for a user to link products to branches:

- List, create, edit and delete branches
- List, create, edit and delete products
- Assign a product to a branch. Think conceptually “this product is sold at this branch”. Note Some products might not be sold at all branches.
- Report which branches sell which products
- Import the provided files in the different formats to populate the branch and product tables and the mapping
- Export data to the same formats

Use Microsoft SQL Server for the database.

Expectation:

The UI layout is up to your own discretion. Do whatever makes sense to you. It doesn't need to look pretty, working functionality is what we are looking for.

Do basic input validation.

Mention any assumptions you make and why.

Add exception handling everywhere it makes sense. For example, if there is a problem persisting the data, handle the exception and inform the user.

Add exception logging and basic program flow logging. You are encouraged to use a logging framework, e.g. Serilog, log4net, etc.

The use of an ORM is also encouraged, e.g. EntityFramework, Dapper, etc.

We would like to see the understanding and use of object-oriented principles. That being said, do not go overboard and over-engineer the solution, keep it simple.

Data models:

Branch		
PK	ID	int
	Name	varchar(100)
	TelephoneNumber	varchar(15)
	OpenDate	datetime

Product		
PK	ID	int
	Name	varchar(100)
	WeightedItem	bit
	SuggestedSellingPrice	decimal(14, 2)

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