

Project Proposal: Goto Grocery Record Management system (GG-RMS)

Solution direction:

Currently, Goto Grocery is experiencing trouble meeting the demands of their customers due to their paper-based system. Henceforth, this application will primarily concentrate on the management of inventory and analysis of data to reach consumer demands. My proposed solution direction would be a desktop only application written in C# with a relational database. This means that both client side and server side would be in C#. The .Net Framework will be utilised in making the GUI, as it would greatly help speed up development time and lower costs.

Problem Domain:

This application deals with a supermarket that is trying to manage the needs/wants of its consumers. The application will need to be able to analyse what it is that consumers need/want, which would assist in helping the client manage inventory, making sure what is being demanded is in stock.

Solution Domain:

The solution domain would be to develop the .EXE desktop application written in C#. The ability and processing power of the hardware at Goto Grocery would need to be taken into consideration in order to make sure that they can efficiently run the application. An underlying database would also be needed to store all records.

Skills:

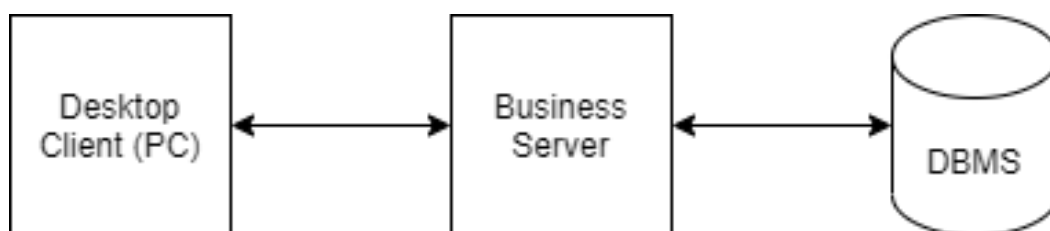
I have experience in C# from a prior unit alongside experience using .Net from previous projects. However, I have not used C# in this type of environment, meaning I have not used it for server side activates like getting records from a database. Also, my experience in .Net is not quite as vast as my experience in C#, which could potentially lead to some issues where it is debated whether to use the framework or just develop something purely in C#.

I also work at a supermarket, so I have experience in using similar technology.

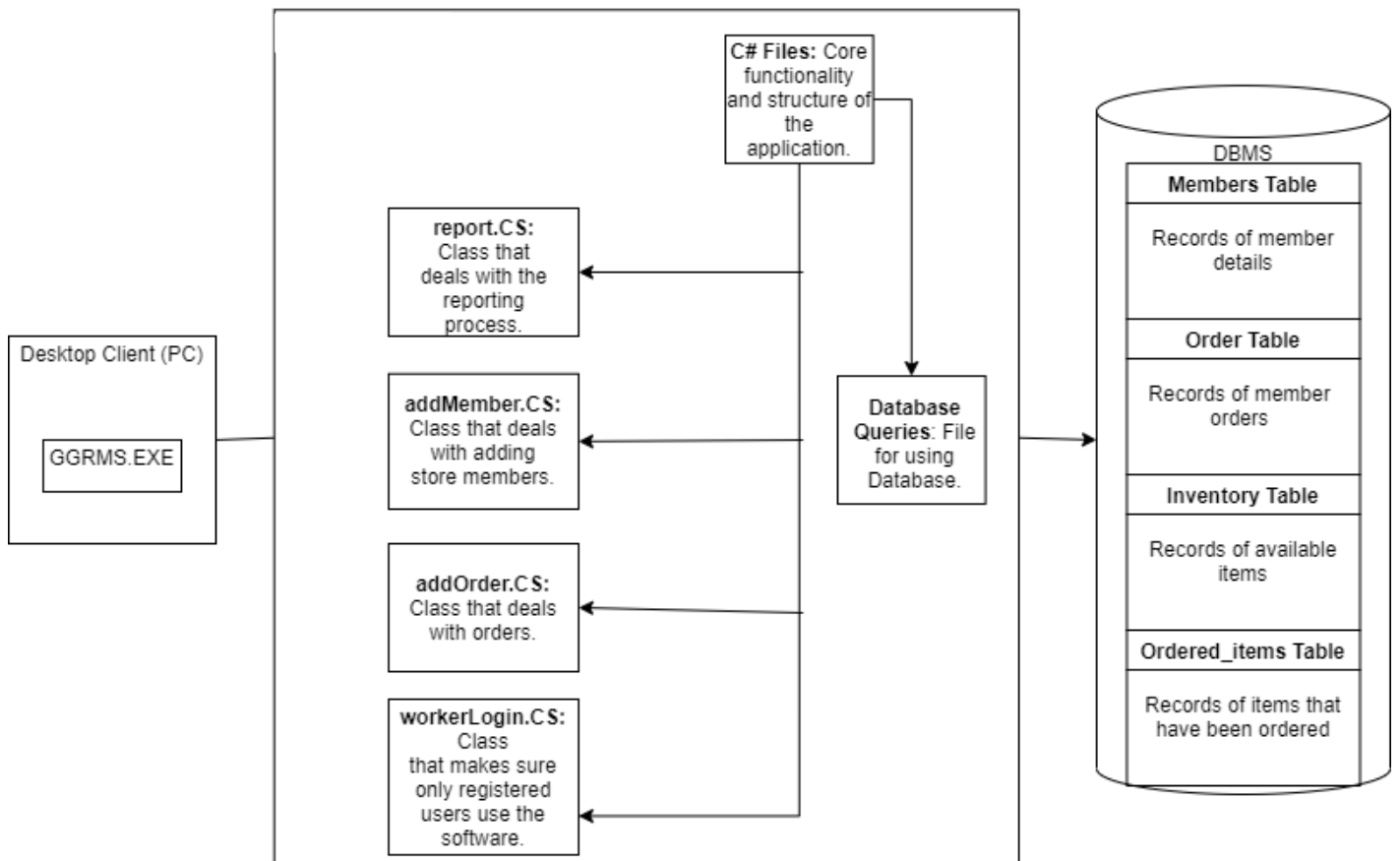
Technology:

There is an abundance of this type of technology to be found in multiple different businesses even outside of supermarkets, developed with a desktop only architecture similar to the proposed solution, meaning, there is not a gap in technology.

Architecture Framework :



High level design:



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