# CS-355 Databases

# Fall 2019

# Project Proposal

**A Sample Restaurant Database**

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# *Submitted to*

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**Introduction**

*Note: [An introduction of the system under development to be written here. You should also mention that if the system targets the needs of a real business/organization OR it is a hypothetical scenario].*

**Modules of the System**

*Note: [Mention different functionalities/modules that you will address to develop ERD of your system. Give detailed description of each module.]*

**Front-end Development**

*Note: [List the modules that will be addressed for front-end development. Front-end can be a desktop based/web-based/app based application developed in any language/platform. If your system is detailed enough, you do not have to build the front-end of complete system. You can choose some module(s) and implement them completely from front-end to back-end. Discuss this with your instructor/RA and get their approval before finalizing the scope. ]*

The front end will be a Windows Forms App developed in C#.

Our goal is to have an app which mostly handles the billing of customer orders at the restaurant, by keeping track of the foods and drinks the restaurant offers along with their prices.

The user will be able to add details of a new order and search the records of a certain past order.

The quantity of a certain item sold during a certain period of time can also be retrieved from the system (to check popularity of items).

Also, the database system will keep record of the personal details of the restaurant staff (manager, waiters, chefs etc.), their work hours per day and hourly wages (according to their jobs) in order to determine their salaries. The user will be able to add details of a new staff and also search for an existing staff member in the database.

**Tools & Technologies**

Back-end: SQL Server

Front-end: Windows Forms App (language: C#) [Mention the choice of your front-end language. For example, C#, PHP, ASP.Net]