RESTAURANT ORDER SYSTEM

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INTRODUCTION TO PROJECT

Restaurant Order System is an application that will help cafes and restaurants to an upgrade and control their food items. For the servers, it is making life simpler in light of the fact that they don't need to go to the kitchen and provide the orders to the gourmet expert(chefs) without any problem. According to the administration perspective, the manager will capable ready to control the restaurant by having every one of the reports close by and ready to see the records of every worker and request.

This application assists the eateries with doing all functionalities all the more precisely and quicker way. Restaurant Order System decreases manual works and works on the effectiveness of the restaurants. This application is helping food ordering, to keep up with the stock and incomes and there are a lot more functionalities, such as:

- To store records.

- Control orders and services.

- Billings.

- Helps Manager to control each part of the restaurant.

The fundamental benefit of our framework is that it incredibly improves on the ordering process for both the customers and the restaurants and furthermore extraordinarily relieves the burden on the end of the day of the restaurant, as the whole interaction of taking orders is automated.

PROBLEM FORMULATION

The structure can be divided into three main logical components:

- **Restaurant Ordering System**: It provides the functionality for customers to place their order and supply necessary details.

- **Menu Management**: It allows the restaurants to control what can be ordered by the customers.

- **Billing Management**: It is the final logical component which allows the restaurants to keep the track of all orders placed. This component takes care of order retrieving and displaying order information.

CASE DIAGRAM
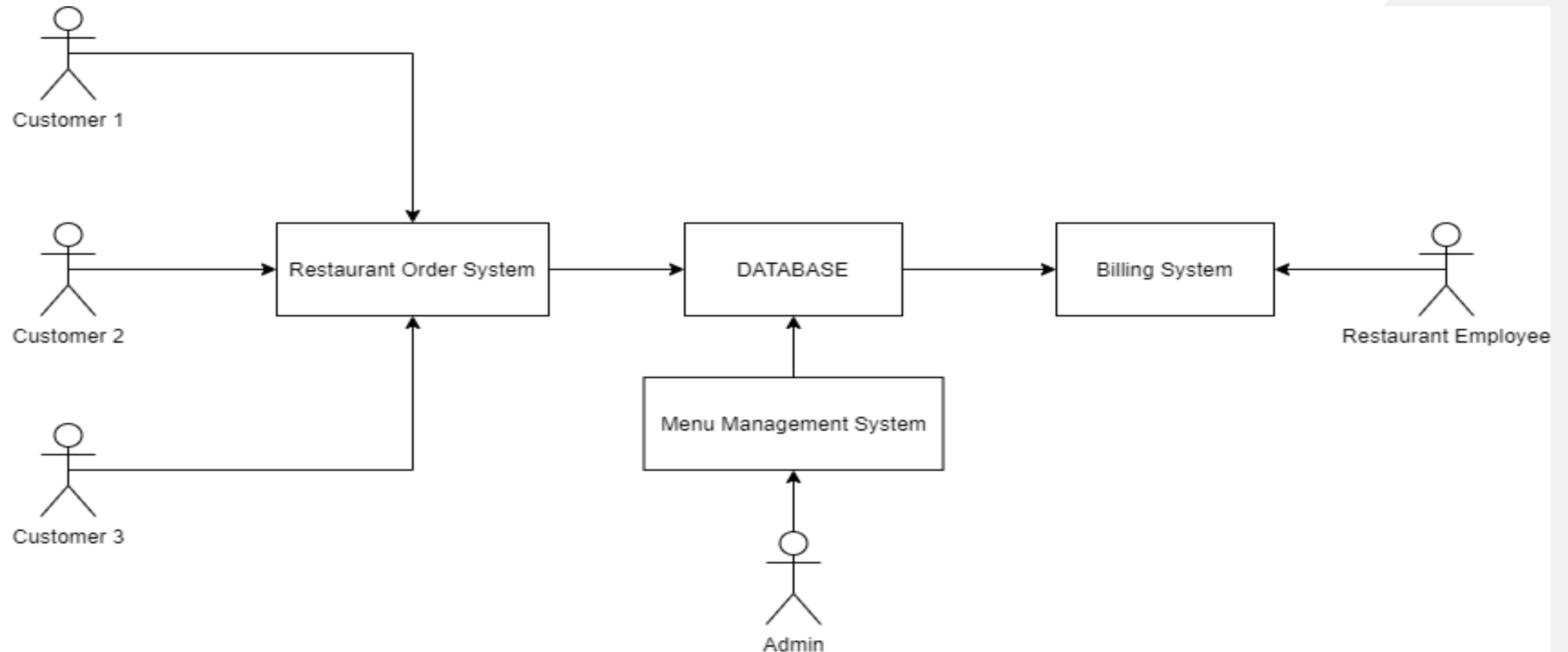
OBJECTIVES

The proposed project is aimed to carry out work to the development of restaurants for customers as well as staff. The proposed aim will be achieved by dividing the work into following objectives:

1. To understand and explore various types of restaurants ordering system.

2. To improve the ordering process for both customers and restaurants.

3. To understand and explore C and C++ programming.

4. To verify and validate the proposed system.

METHODOLOGY USED

The following methodology will be followed to achieve the objectives defined for proposed project work:

- Detailed study of the methods of managing a restaurant with computerized system.

- Studying food order data from the order input interface.

- Installation of Visual Studio and Visual studio code along with C/C++ IntelliSence and debugging will be done. Relative pros and cons will be identified.

- Different types of errors will be analysed to figure it out which technique is appropriate for particular type of code.

- Various parameters will be identified to evaluate the proposed system.

- Comparison of new implemented approach with exiting approaches will be done.

RESULTS AND OUTPUTS

Beginning of the output: As I mentioned before, it will collect users' name and store it for future use.
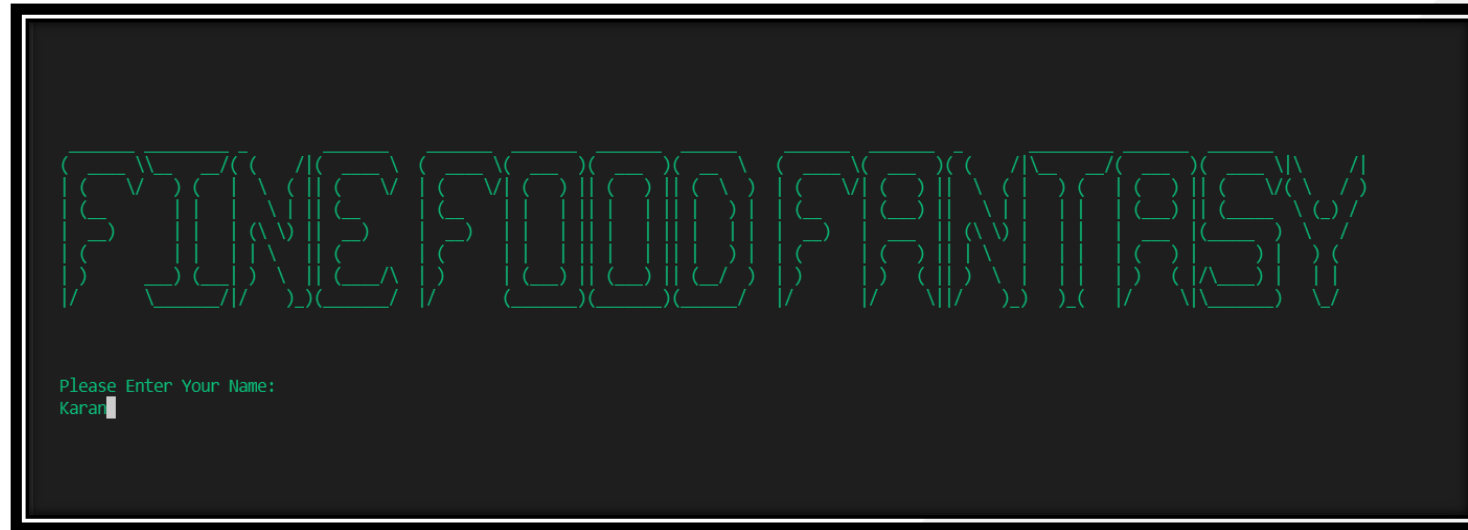
RESULTS AND OUTPUTS

Entering your name allows you to access the whole module. It will display the main menu so that you can choose any one of the foods you want:

RESULTS AND OUTPUTS

Say, if you need a burger you need to enter '2' as per the menu then you can proceed further.

RESULTS AND OUTPUTS

Fine Food Fantasy have been providing three types of burgers so it'll let you choose the burger you want to have:

RESULTS AND OUTPUTS

If you are with your friends or family, of course, you will order for them also. This framework will then ask you the quantity of burgers you need.

RESULTS AND OUTPUTS

Say, if you want five burgers: Then your total bill will be displayed along with what you ordered.

```
                --------Your Order---------
5 BBQ Burger
Your Total Bill is 900
Your Order Will be delivered in 40 Minutes
Thank you For Ordering From Fine Food Fantasy

Would you like to order anything else? Y / N:
```

RESULTS AND OUTPUTS

Our framework will also ask you if you need anything else or not. If you enter 'Y', it will take you to the main menu again.

RESULTS AND OUTPUTS

If you enter 'N', it will end up displaying your total bill only.

```
            --------Your Order---------
5 BBQ Burger
Your Total Bill is 900
Your Order Will be delivered in 40 Minutes
Thank you For Ordering From Fine Food Fantasy

Would you like to order anything else? Y / N:N
PS D:\NOTES\C++\PROGRAMS>
```

CONCLUSION

The Restaurant Management System is used to develop the restaurant's business to provide orders. It facilitates us to deal with the customer and reduces the work effort and less time in use. There are no delays for the customer. There is a main screen containing a table of foods that allows the customer to choose the food and show him the final cost of the order and connect with the main program, Making it easy for the customer to see the types of foods and integrates with all kinds of food.

This program can be installed to add new users and personal profile to you working in the restaurant and dealing with them easily in the absence of salaries. The database can also be easily modified. The software was used in the design and database integration (C, C++).

FUTURE SCOPE

'Restaurant Ordering System' report comprises of the key trends which influence the industry growth with respect to the regional terrain and competitive arena. The study highlights the opportunities that will support the industry expansion in existing and untapped markets along with the challenges the business sphere will face. Besides this, the report also offers an intricate analysis of case studies including those of COVID-19 pandemic, with the aim to provide a clear picture of this industry vertical to all shareholders.

The future scope of this system includes the management of finances, management of employee scheduling, and the customer online ordering system. The scope does not include the internal operations of the restaurant.

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