

DBMS Mini Project

RESTAURANT BILLING SYSTEM

By

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PROBLEM

Many restaurants are manually operated and the billing is done manually . This causes many errors in table booking and bill managements . Problems like order mismatch , total bill errors are also common. These problems have a huge impact on functioning and management for restaurants .



THE SOLUTION

The solution for this problems faced by restaurants is to implement a software based billing and order management systems which are custom made software as per their requirements . Each restaurants have their own set of men items and table arrangements . A software which can be used for seamless management of orders , order histories , table management , billing should be implemented in restaurants to enable the owners to run their restaurants more efficiently .,



FOCUS AREAS

BILLING

The software is capable of getting user's food orders from various categories of food items. It maintains a record of all the food items available and their prices so that it can generate bills for the customers as per their orders and extra addons and save the bills

TABLE MANAGEMENT

This software is capable of managing the table bookings done by the customers. It gets the table number from the user while placing the order so that the orders are not mismatched.

CUSTOMER MANAGEMENT

The customer details are stored and their address and contact details are collected for home delivery options that are available as the restaurant can have both dine in and delivery options.

TECH USED

Front End :

- HTML
- CSS
- JAVASCRIPT

Back End :

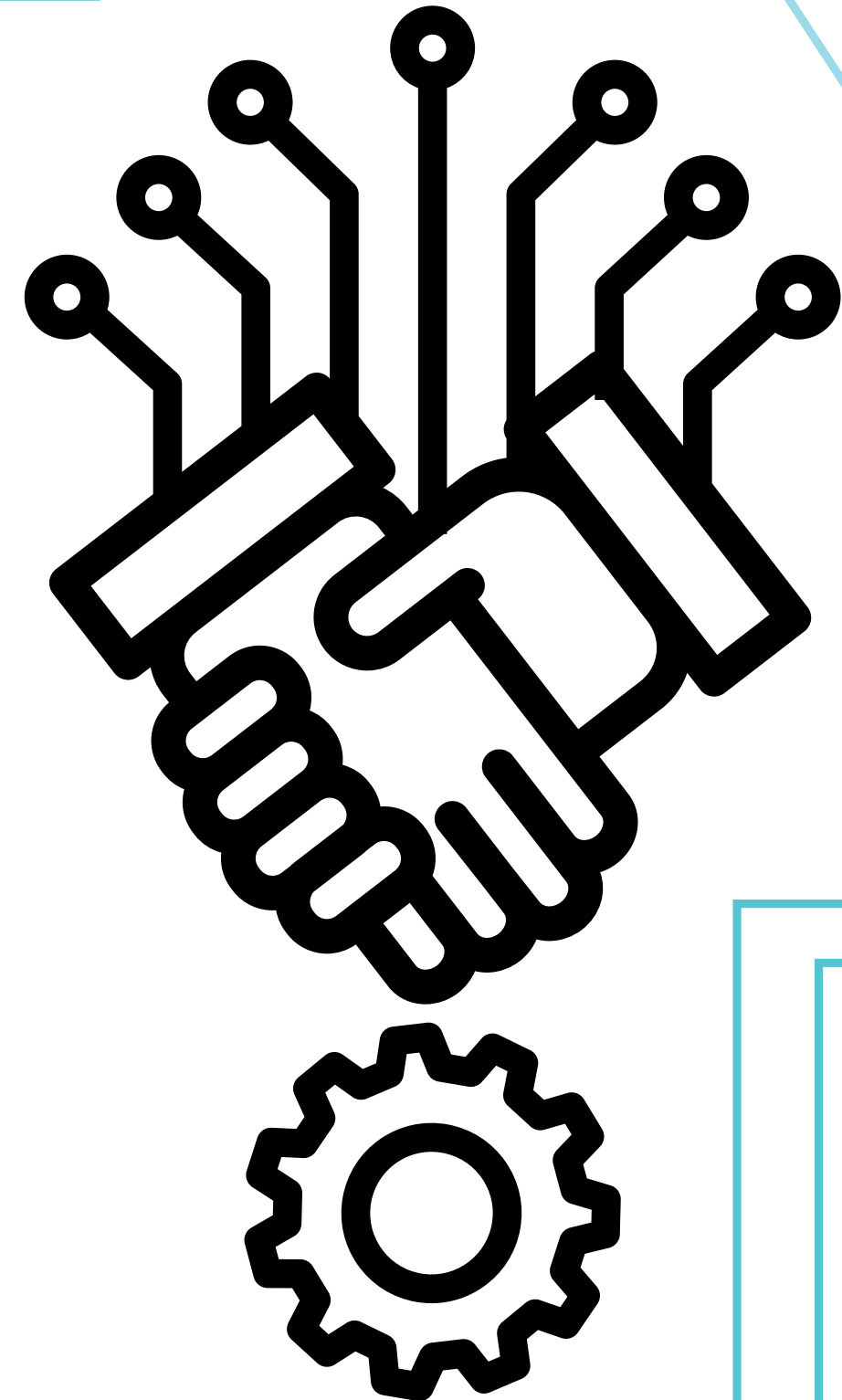
- PHP

Database :

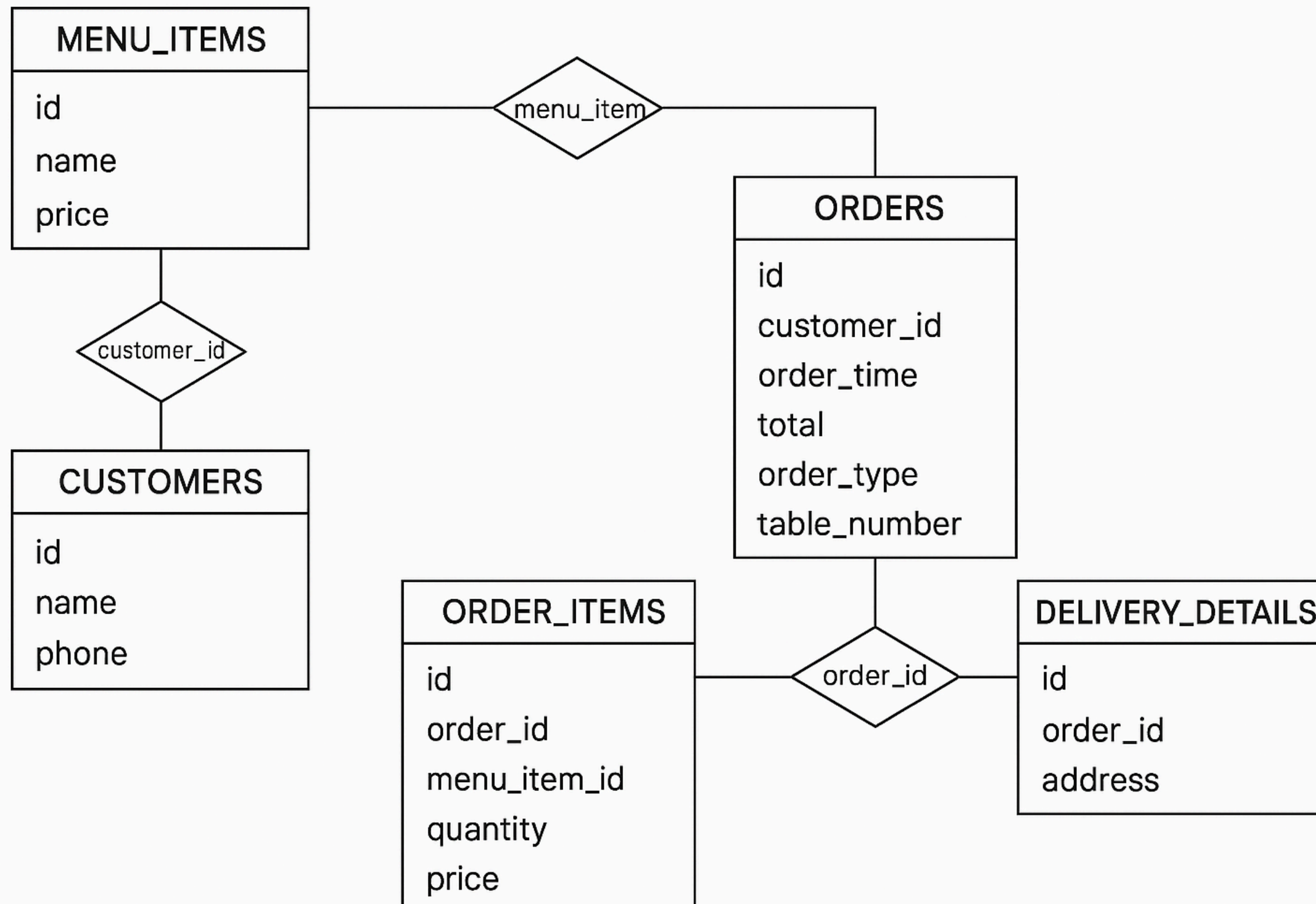
- MySQL

Softwares :

- VS CODE
- XAMPP
- FireFox



DATABASE STRUCTURE



SAMPLE IMAGES

The screenshot shows a web browser window with the title "Restaurant Billing System". The address bar shows "localhost/hotel-mess-web/". The page content is as follows:

Amman Mess Billing System

Customer Name: Mobile Number: Dine-In: Table Number:

Paneer Butter Masala - Rs 180.00 1

Item	Quantity	Price	Subtotal	Remove
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Total: Rs 0.00

Order History

Order ID	Customer Name	Phone	Order Type	Table No.	Date/Time	Total	Details
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The browser's taskbar at the bottom shows the Windows logo, a search bar with "Type here to search", and several application icons. The system tray on the right shows the temperature as 30°C, the language as ENG IN, and the date and time as 19:41 on 08/05/2025.

Restaurant Billing System

localhost/hotel-mess-web/

Amman Mess Billing System

Kumaran

1234567890

Dine-In

5

Dal Makhani - Rs 140.00

1

Add Item

Item	Quantity	Price	Subtotal	Remove
Butter Naan	1	Rs 30.00	Rs 30.00	Remove
Filter Coffee	1	Rs 25.00	Rs 25.00	Remove
Dal Makhani	1	Rs 140.00	Rs 140.00	Remove

Total: Rs 195.00

Generate Bill

Order History

Order ID	Customer Name	Phone	Order Type	Table No.	Date/Time	Total	Details
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Windows

Type here to search

30°C

ENG IN

19:41

08/05/2025

Restaurant Billing System

localhost/hotel-mess-web/

Amman Mess Billing System

Customer Name

Mobile Number

Dine-In

Table Number

Dal Makhani - Rs 140.00

1

Add Item

Item	Quantity	Price	Subtotal	Remove
------	----------	-------	----------	--------

Total: Rs 0.00

Generate Bill

Order placed successfully!

Order History

Order ID	Customer Name	Phone	Order Type	Table No.	Date/Time	Total	Details
4	Kumaran				2025-05-08 20:41:57	Rs 195.00	<div>View</div>

Order #4 Details

- Butter Naan - 1 x Rs 30.00
- Filter Coffee - 1 x Rs 25.00
- Dal Makhani - 1 x Rs 140.00

Windows

Type here to search

30°C

ENG IN

19:42

08/05/2025

CONCLUSION

The Restaurant Billing System developed with SQL integration provides an efficient and user-friendly solution for managing restaurant orders and billing. By integrating features like menu management, order tracking, customer details, and home delivery options, the system streamlines daily operations and minimizes manual errors. The use of a SQL database ensures secure and organized data storage, while the intuitive graphical interface makes it easy for staff to handle orders and generate bills. Overall, this project demonstrates how technology can simplify restaurant management, enhance customer service, and improve operational accuracy.

The background features abstract geometric patterns in teal. In the top-left and bottom-left corners, there are nested rectangular outlines. In the top-right and bottom-right corners, there are clusters of small teal circles arranged in a grid-like pattern. A diagonal teal line runs from the top-left towards the bottom-right, intersecting the other elements.

THANK YOU