DBMS Mini Project

RESTAURANT BILLING SYSTEM

By
Dineshkumar RK
Gokul Shankar A

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 :

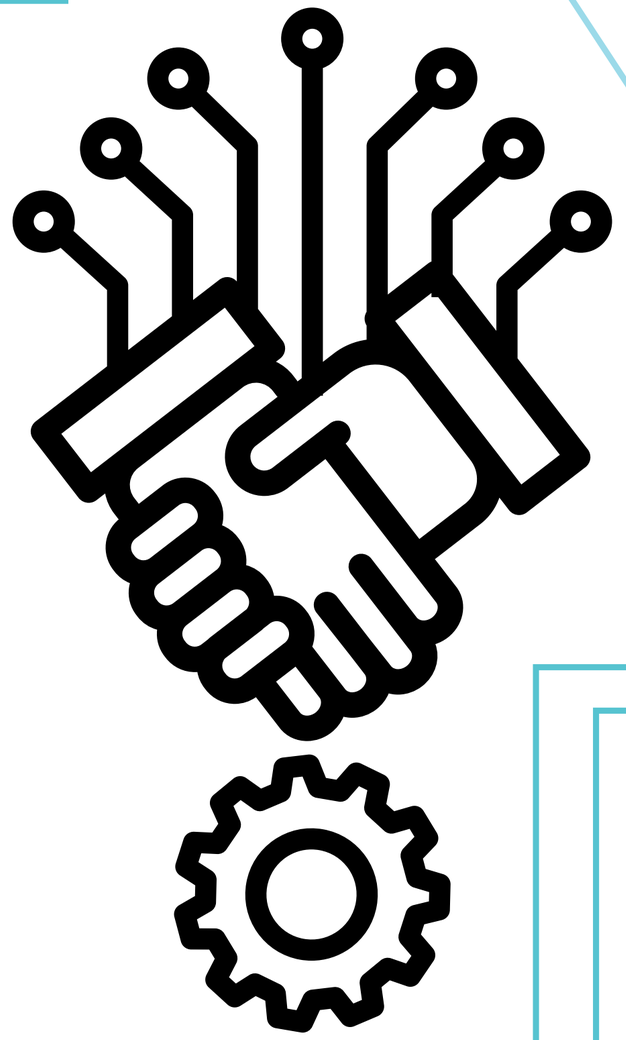
- PHP

Database :

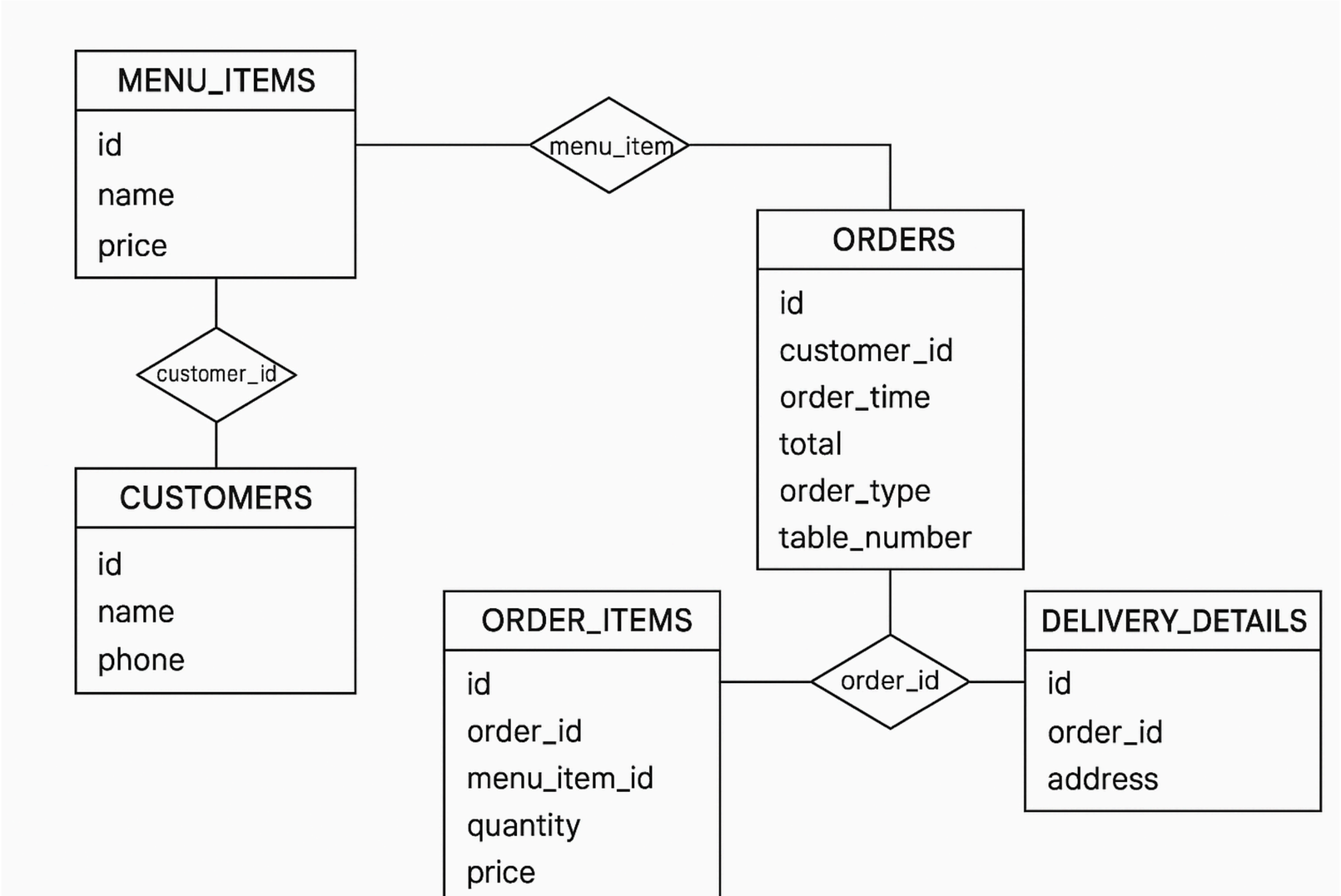
- MySQL

Softwares :

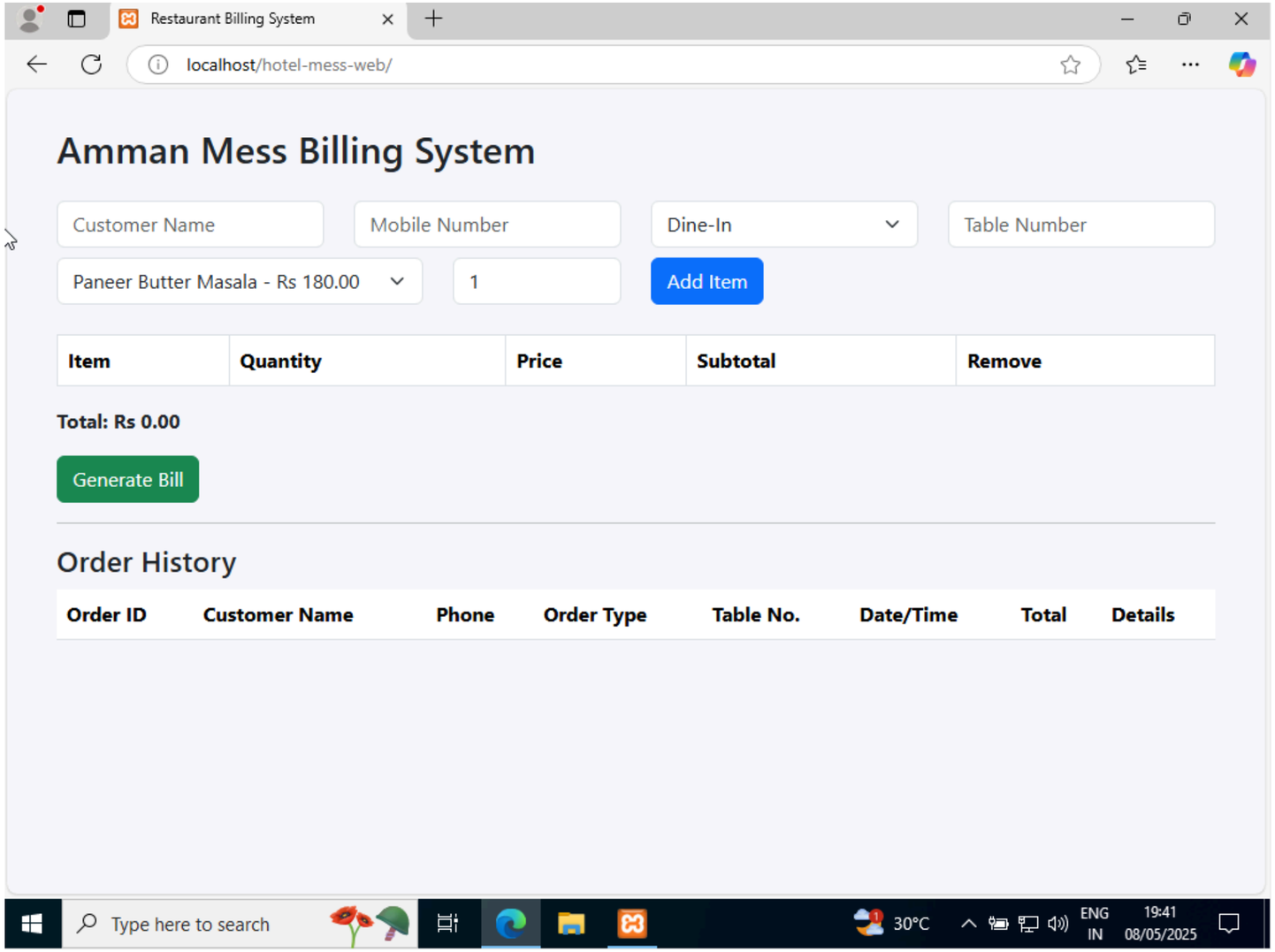
- VS CODE
- XAMPP
- FireFox

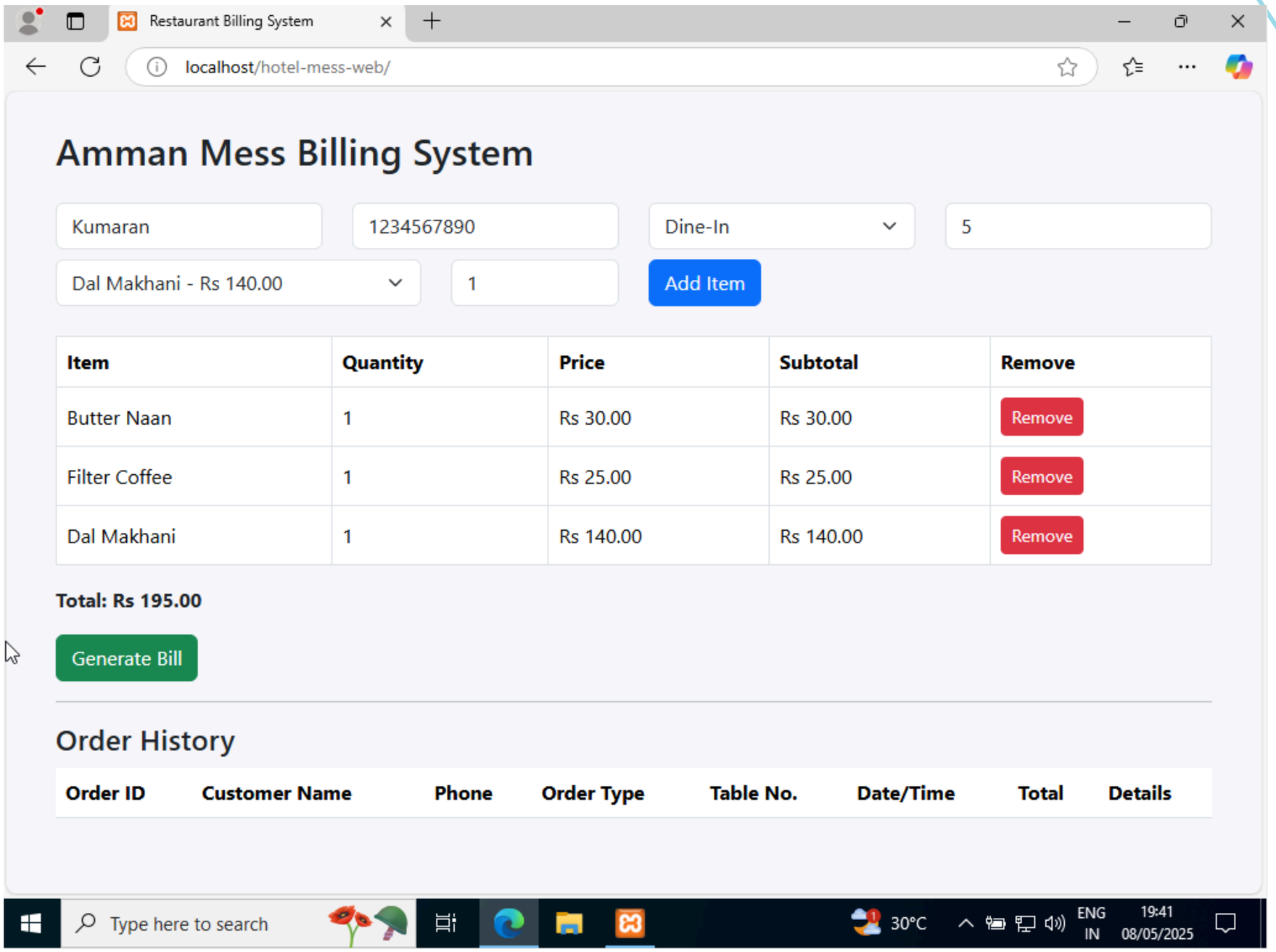


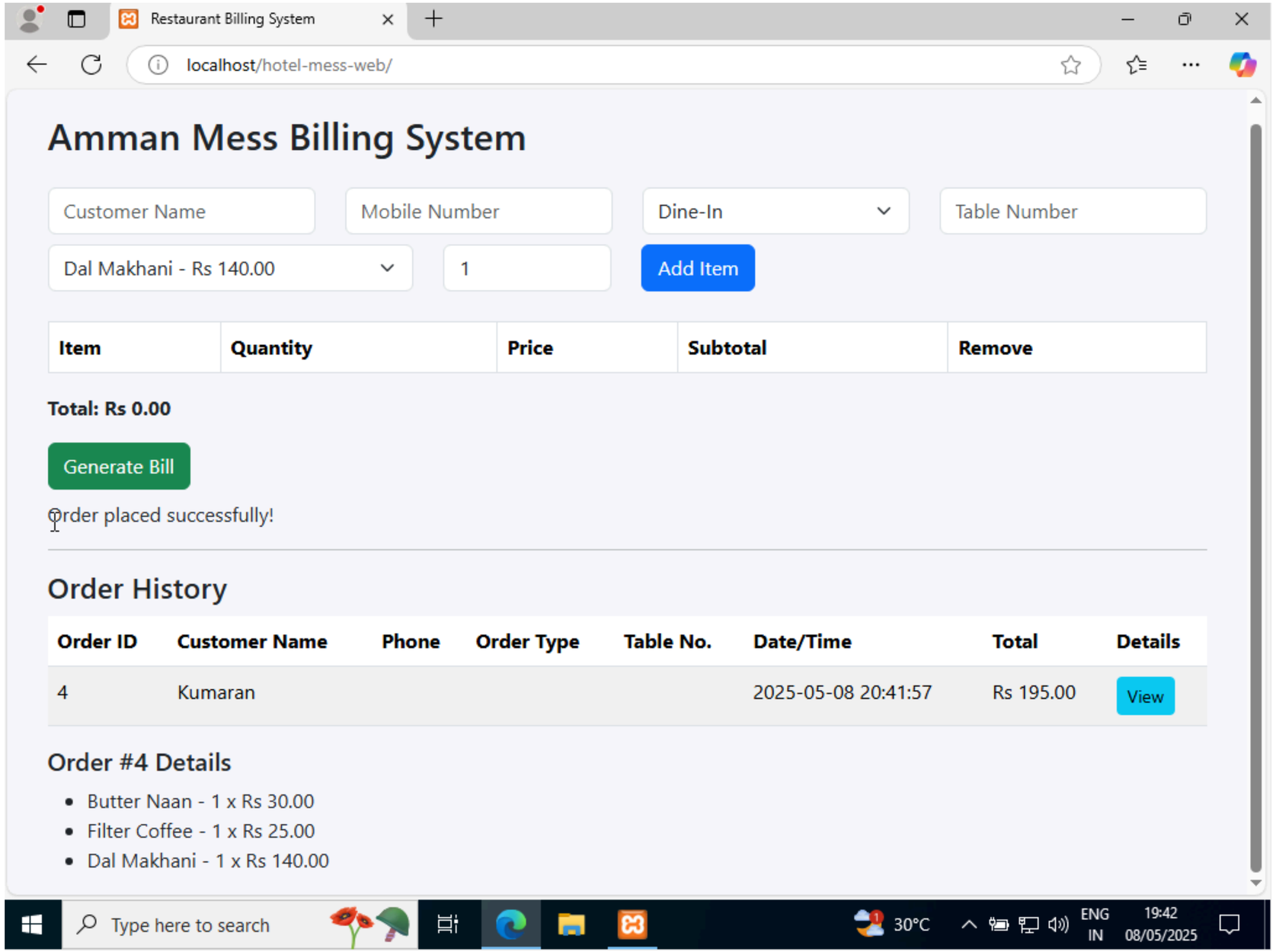
DATABASE STRUCTURE



SAMPLE IMAGES




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
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
View
Order #4 Details
Butter Naan - 1 x Rs 30.00
Filter Coffee - 1 x Rs 25.00
Dal Makhani - 1 x Rs 140.00
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.

THANK YOU