

RESTAURANT BILLING SYSTEM

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INTRODUCTION

- A Restaurant Billing System is software that automates the process of generating customer bills.
- It helps manage orders, calculate totals, apply taxes/discounts, and produce receipts.
- Increases efficiency and accuracy within restaurant operations.

OBJECTIVES OF THE SYSTEM

- Automate the billing process
- Reduce human errors
- Improve customer service
- Saves time.
- Maintain digital records of orders and payments.



PROBLEM DEFINITION

- Bills are calculated manually, increasing chances of human error.
- Peak hours create long queues and delays.
- No proper digital record for past orders or totals.





SOLUTION APPROACH

1. Display menu to the user.
2. Take order as input.
3. Convert item to uppercase for consistency.
4. Reconfirm the entered order.
5. Calculate subtotal based on selected order.
6. Compute taxes.
7. Generate the display the final bill.

SYSTEM MODULES

MODULES USED

- Menu Module – Displays available items
- Order Module – Accepts and validates user input
- Calculating Module – Calculates subtotal and tax
- Billing Module – Generates and prints the receipt





KEY FEATURES

1. Prints Menu.
2. Asks user to enter the order items.
3. Converts all the items ordered in Upper case.
4. Reconfirms the items ordered by the customer.
5. Computes Taxes.
6. Calculates total amount= Subtotal + taxes
7. Generates bill and displays it.



ADVANTAGES

- Faster billing process
- Eliminates calculation mistakes
- Better inventory & sales tracking
- Improves customer satisfaction
- Easy to update menu and prices
- Paperless and environmentally friendly





NOVELTY / CONTRIBUTIONS

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1. Automatic Uppercase Conversion for Error prevention
 2. Menu Matching Using String Comparison
 3. Structured and Modular Program Design
 4. Use of Structures for Realistic Item Storage
 5. Automatic Billing with GST Computation
 6. Reconfirmation System Before Billing
 7. Dynamic Order Handling
 8. Clean and Professional Bill Format

FUTURE ENHANCEMENT

- Mobile app for billing.
- Integration with inventory management.
- Provide multi user access with authentication.



CONCLUSION

- A Restaurant Billing System is essential for modern restaurants.
- It improves accuracy, speed, and operational efficiency.
- It supports business growth through automation and data insights.

REFERENCES

§ Let Us C (YASHAVANT KANETKAR)

§ YOUTUBE VIDEOS:

https://www.youtube.com/watch?v=_2msghvRn5M&t=1463s&pp=ygUfcmlVzdGF1cmFudCBiaWxsaW5nIHN5c3RlbSBpbIBjXA%3D%3D

<https://www.youtube.com/watch?v=Lttd3ohTarE&list=PLBLPjjQlnVXVnz3HksiithouHXxh6Dm3h>



THANK YOU