Shop Billing System

(Computer Hardware Shop billing system)

A system that contains the menu of the shop and prsents the available items in the shop and then generates a bill

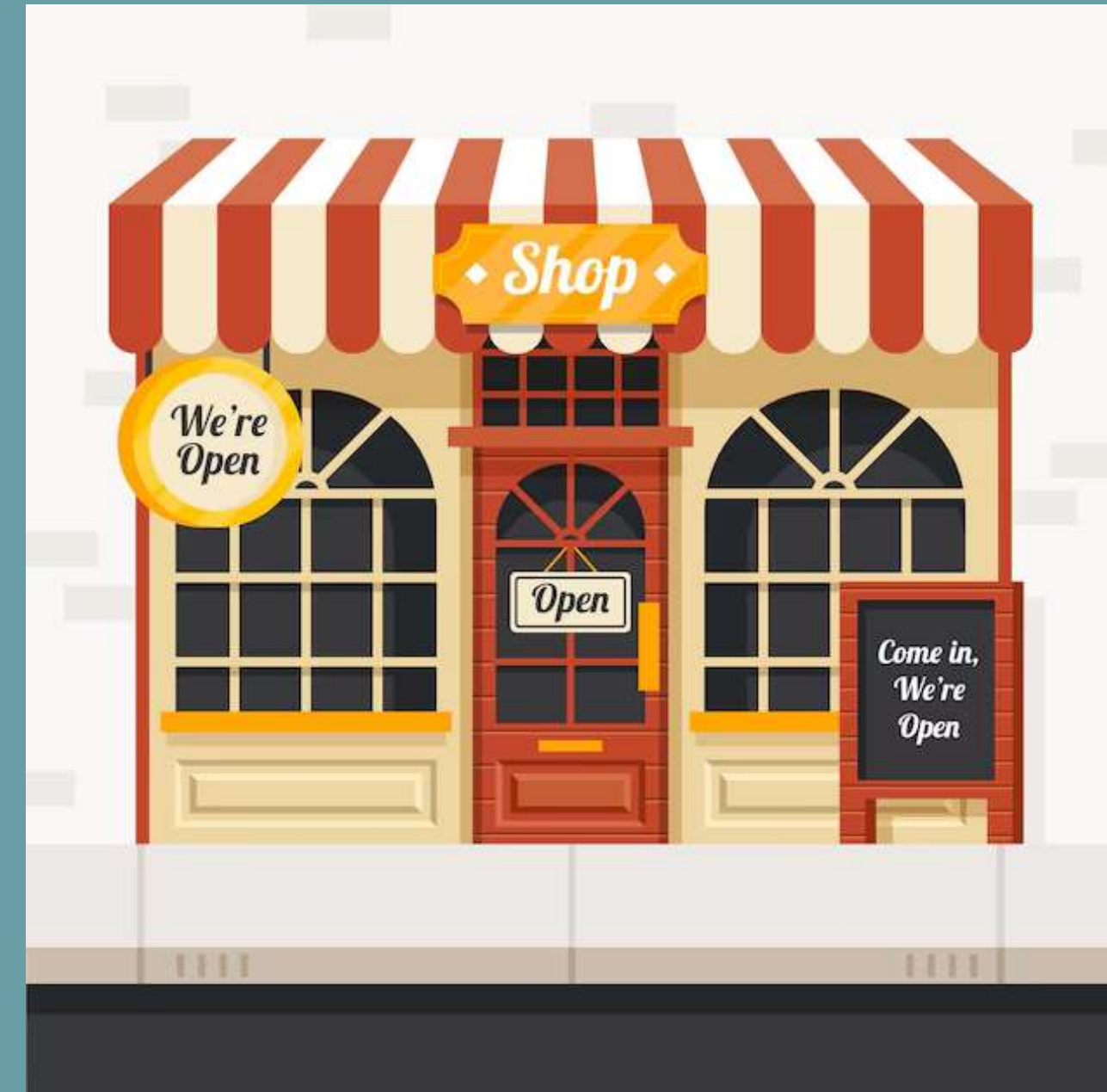# INTRODUCTION

I chose a computer Hardware shop. My this software will first display the available computer hardwares in the shop (User will be able to customize their PC according to their need) and later on will generate the bill with accurate effeciency which could be altered when done manually by human

Objectives Of the project

- Develop an automated billing system
- Reduce calculation errors
- Improve speed and efficiency
- Store billing records safely
- Allow customizable PC component selection

Why Billing is important ??

Billing is essential for businesses because it guarantees timely customer payments and supports steady cash flow.
It provides accurate records that build customer trust and aid financial tracking.
A proper billing system also helps analyze inventory and sales, strengthening overall business operations.
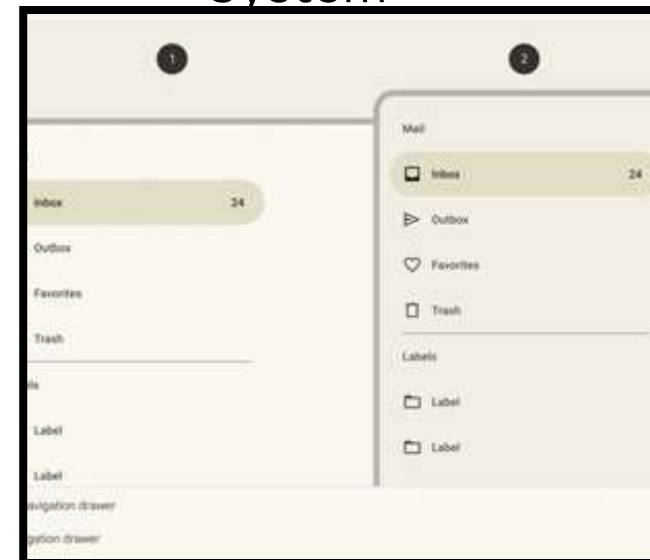
Features of this shop billing system

- User-friendly and easy to operate
- Automatic calculation of totals
- Quick billing during rush hours
- Error-free bill generation
- Menu-based navigation
- ·Saves time and reduces workload
- C-programming language is used for developing this system (Various elements like functions, switch case, loops and conditions have been used.
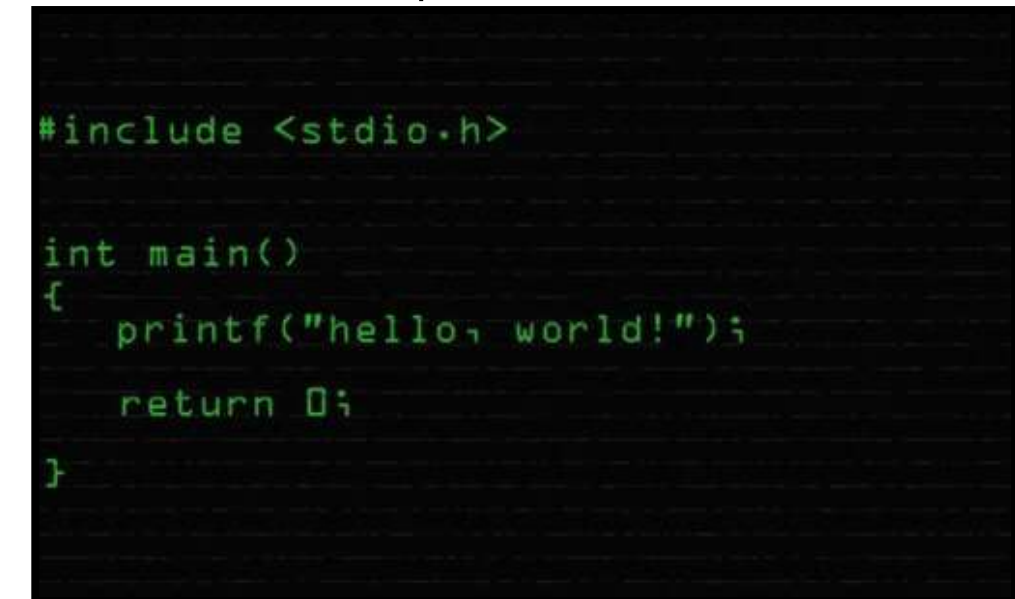

Quick billing System

Easy to operate

Menu-Based System

C-Programming

Error-Free

Saves time

Technology used
(Elements of C-programming used)

- Functions : To make the code readable and design modularity
- Loops and conditions
- Switch-case for menu design
- Small mathematical calculations
- Comments for readability
- Control Transfers statements like Goto, switch and continue.

Future Enhancement

- Add GST and discount calculations
- Generate PDF bills
- GUI interface in the future
- Database support
- Monthly and weekly sales reports

CONCLUSION

In conclusion, a shop billing system plays a vital role in any business because it ensures accurate billing, timely payments, and smooth financial management. In my project, the Computer Hardware Shop Billing System, I demonstrated how efficient billing improves customer trust and helps track sales, inventory, and daily transactions with ease.

To build this system, I applied key elements of C programming, including file handling for storing and retrieving bills, structures for organizing product and customer data, pointers for efficient data manipulation, loops and conditions for menu-driven operations, and functions to make the code modular and easy to maintain. Overall, this project highlights how C programming can be used to automate real-world business processes and create a reliable, user-friendly billing solution.

Thank You

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