

Activity 3 : footwear shop billing system

Name:Krushna Bhausaheb Kokane

Class:CE(2)

Roll no:65

Research:Footwear shops typically sell various types of shoes, sandals, boots, etc. The shop might deal with both retail and wholesale customers, offering products from different brands and sizes.

Managing a footwear shop involves tracking product inventory, pricing, sales transactions, customer data, and more.

Need for a Billing System:

- Efficient billing is crucial to ensure smooth transactions, accurate pricing, tax calculations, and customer satisfaction.
- Without an automated system, the process can be error-prone, slow, and for both customers and staff.
- Create detailed invoices with product descriptions, quantities, prices, taxes, and totals.

Customer Management

- Track customer details, including loyalty programs, discounts, and purchase history.
- Provide reports for daily, weekly, and monthly sales, profits, and inventory.
- Analytics on product performance and customer trends.

<https://cleartax.in/s/gst-on-shoes>

Idea: A billing system is an essential tool for any retail business, including footwear shops. It helps store owners manage sales transactions, calculate totals, apply discounts, and generate customer bills quickly and accurately. A computerized billing system reduces manual work, minimizes human errors, saves time

Analysis:

Advantages of Proposed System:

- Accurate billing with no human error.
- Time-saving compared to manual method.
- Easy to maintain sales records.

Improves customer satisfaction. By implementing a footwear shop billing system, the shop can streamline operations, maintain records of sales, and ensure transparency in business transactions.

The project aims to computerize the billing process of a footwear shop. Instead of writing bills manually, the system will allow shopkeepers to:

- Store customer details (name, address, phone number).
- Select footwear items (brand, type, size, quantity, price).
- Automatically calculate total, discounts, GST, and final bill.

Generate and print a simple bill receipt.

Build:

```
#include <stdio.h>
int main (){
    printf("----- Welcome to the shop-----\n");

    int quantity,GST,The_final_price;
    int price,Total,discount;
    char customer_name[30];
    char product_type[20];

    printf("Name of customer:");
    scanf("%s",&customer_name);

    printf("Name of the product:");
    scanf("%s",&product_type);

    printf("The price of that product:");
    scanf("%d",&price);

    printf("quantity of product:");
    scanf("%d",&quantity);

    Total=price*quantity;
    printf("The total price is:%d\n",Total);

    //The discount on each product is 10%
    discount=Total*0.1;
    printf(" discount is:%d\n",discount);
    //The GST on the product by the goverment is 5%
    GST=Total*0.05;
    printf("The GST is:%d\n",GST);
    printf("\n-----\n");

    The_final_price=Total+GST-discount;
```

```
printf("The final prize is:%d\n",The_final_price);
printf("\n-----Thank you visit again-----\n");

return 0;
}
```

Testing:

```
----- Welcome to the shop-----
Name of customer:krushna
Name of the product:shoes
adress of customer:pune
The price of that product:450
quantity of product:2
The total price is:900
discount is:90
The GST is:45

-----
The final prize is:855

-----Thank you visit again-----
```

=== Code Execution Successful ===

Implementation: