

LAPTOP STORE MANAGEMENT SYSTEM

GROUP NUMBER : 68



LOGIN

Features

- Low Stock Management
- Inventory Display
- Custom Sorting
- Sales History
- Stock Updates
- Sales Updates

SORTING BY

Brand
Ram
Processor
&
Combinations

TWO DIFFERENT HISTORY VIEW

1. Last 20 Sold-Out History
2. All History Updates

UPDATE STOCKS INSTANTLY

It's easy to update new arrivals using this feature



```
class Laptop {  
public:  
    string Brand;  
    string Processor;  
    string RAM;  
    int Quantity;  
    int Price;  
  
    Laptop() {  
        Brand = "";  
        Processor = "";  
        RAM = "";  
        Quantity = -1;  
        Price = -1;  
    }  
  
    Laptop(string brand,  
           string processor,  
           string ram, int quantity,  
           int price)  
    {  
        Brand = brand;  
        Processor = processor;  
        RAM = ram;  
        Quantity = quantity;  
        Price = price;  
    }  
}
```

Laptop Class

Attributes

1. **Brand**
2. **Processor**
3. **RAM**
4. **Quantity**
5. **Price**

Single Linked List

```
class Single_linked_list
{
private:
    Node* head;
    Node* tail;
    int size;

public:
    Single_linked_list() {
        head = NULL;
        tail = NULL;
        size = 0;
    }
    void showCase() { ... }
    void lowStockUpdates() { ... }
    void insertLaptop(Laptop* Data) { ... }
    Laptop* updateQuantity(Laptop* Data) { ... }
};
```

Methods

1. **insertLaptop()**
2. **updateQuantity()**
3. **lowStockUpdate()**
4. **showCase()**
5. **sorting_by_preferences()**

Uses

1. **To store all the Laptop info...**
2. **To store all the sold-out history**

Queue

```
class Queue_History
{
private:
    int size;
    int capacity;
    int front; // position of beginning of queue
    int rear;  // position of ending of queue
    Laptop* data;
public:
    Queue_History()
    {
        capacity = 10;
        size = 0;
        data = new Laptop[capacity];
        front = 0;
        rear = 0;
    }
    void deQueue() { ... }
    void enqueue(Laptop* val) { ... }
    void printQueue() { ... }
};
```

Methods

1. **deQueue()**
2. **enqueue()**
3. **printQueue()**

Use

**To Maintain last
20 history updates**

THANK YOU

Our team



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