**Project-Report**

**Book Shop**



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**1. Introduction:**

This is a simple project where the system maintains the inventory of books in a bookshop. If a customer purchases a book, the book's count will decrease; if a book is added, the same is updated. Notice the use of pointers. You can modify the code to add a book ID and make the search based on book ID or make the search using just one parameter giving multiple results, and so on.

**2. Problem Statement:**

A book shop maintains the inventory of books that are being sold at the shop. The list  
includes details such as author, title, price, publisher and stock position. Whenever a  
customer wants a book, the salesperson inputs the title and author and the system  
searches the list and displays whether it is available or not. If it is not, an appropriate  
message is displayed. If it is, then the system displays the book details and requests  
for the number of copies required. If the requested copies book details and requests  
for the number of copies required. If the requested copies are available, the total cost  
of the requested copies is displayed; otherwise, the message “Required copies not in  
stock is displayed.

Design a system using a class called books with suitable member functions and  
Constructors. Use new operator in constructors to allocate memory space required.

**4. Project Description:**

* **Libraries/Procedure/technics:**

**#include<iostream>  
#include<string.h>  
#include<stdlib.h>**

**5. Real Life Application of your project:**

This system in real lifehelps to keep track of all the book records in a file its help a shopkeeper to maintain a record of books.

**(output snappits)**

Text

Description automatically generated

**7. Conclusion**

This is a simple project where the system maintains the inventory of books in a bookshop.