

C++ Software Engineering

for engineers of other disciplines

Mini Project



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Problem Statement



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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 number of copies. Whenever a customer wants a book, the sales person 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. During the buying process the system displays the 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. Implement C++ program for the system.

Project Deliverables – Output Format

MENU

- 1. Entry of New Book*
- 2. Buy Book*
- 3. Search For Book*
- 4. Edit Details Of Book*
- 5. Exit*

Enter your Choice: 1

Enter Author Name: Test Author
Enter Title Name: Test Title
Enter Publisher Name: Test Pub 1
Enter Price: 100
Enter Number of Copies : 2

MENU

- 1. Entry of New Book*
- 2. Buy Book*
- 3. Search For Book*
- 4. Edit Details Of Book*
- 5. Exit*

Enter your Choice: 2

Enter Title Of Book: Test Title
Enter Author Of Book: Test Author

Enter Number Of Books to buy: 1

Books Bought Sucessfully
Amount: \$. 100

MENU

- 1. Entry of New Book*
- 2. Buy Book*
- 3. Search For Book*
- 4. Edit Details Of Book*
- 5. Exit*

Let's Begin!



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