

# ***C++ Software Engineering***

*for engineers of other disciplines*

## Mini Project



**A L L E N**

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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 stock position. 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. 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. Implement C++ program for the system.

Reference : OMKARNATHSINGH wordpress.

# 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 Stock Position: 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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