

PFC - Assignment

Task 1:

Design a object to hold information of a **Book**. The information includes *Book Code*, *Book Name*, *Unit Price* and *Quantity*. Book Code contains exactly 6 characters, which the first character is the upper-case letter (A-Z) and the five next characters are digits (0-9). Book Name contains no more than 50 characters. Unit Price is double type, and the price must be positive and less than \$1000 (<1000).

Tasks 2:

Write a C program to do the below tasks:

1. Create default 4 books with their information
2. Add / Delete books
3. Search book by name
4. List all books
5. List all books after sorting by book name
6. Let user to choose some books to buy and compute the total price.
7. Quit

Tasks 2.1:

When user choose this task, the program create 4 books by default. Then the list of books currently have 4 books.

Task 2.2:

- Allow users to add new information of as many books as they want. After check validation of all data (including that the code could not be duplicated), save those information into the program.

- Delete a book.

Task 2.3:

Search book by name from all books that was created in task 2.1 and books which are added in task 2.2. Then display the result.

Task 2.4:

Display all information of books in file that was created in task 2.1 and books which are added in task 2.2.

Task 2.5:

Sort by book name and display all information of books in file that was created in task 2.1 and books which are added in task 2.2.

Task 2.6:

Let user to choose some books to buy and compute the total price.

SUBMISSION REQUIREMENTS

At the beginning of your program, include comments reflecting accurate information for you in the format as below:

```
/*  
Assignment 1 - Books List  
Class ID      : SE0412  
Student ID    : 00400  
Student Name  : Nguyễn Minh Đức  
Due Date     : 12 September 2009  
I declare that this assignment is my own work  
in accordance with FPT Policy.  
*/
```