

# **Final Project**

CS1131

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#### Introduction:

The Book Club program is designed to allow users to manage a book club. The program allows users to add members, books, and manage the borrowing of books. The program is written in C++ and offers six different options to the user.

#### Execute:

### 1- Print Members:

This option allows the user to view all the members along with their ID numbers.

```
Enter your selection: 1
        Members list at the club
               FirstName
20101999
               Amani
                               Wadaani
20108282
               Danah
                               Hamidah
20106517
                               Hamidah
               Fatma
                               Salama
20102030
               Joudi
                               Mohammad
20105421
                               Abdullah
               Lamar
20109752
               Layal
                               Aljabri
20102345
               Reema
                               Ahmad
```



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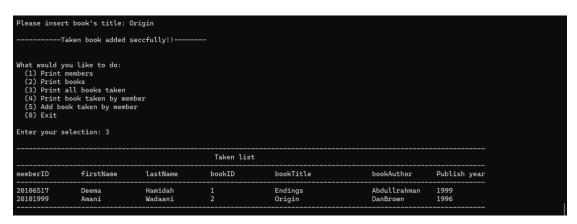
#### 2- Print Books:

This option shows the book's title, publish year, author, and ID number.

```
would you like to do:
) Print members
) Print books
) Print all books taken
) Print book taken by member
) Add book taken by member
) Exit
Enter your selection: 2
                                        Books list
                                                       bookAuthor
                                                                               Publish year
                     BetweenSisters
                     Endings
                                                       Abdullrahman
                                                                              1999
                     GoneGirt
                                                                              1998
                     LegalSkills
                                                       Finch
                                                                               2017
                     MenInTheSun
                                                       Ghasan
                     Origin
                                                       DanBrown
                                                                               1996
                     TheHelp
                                                       Kathryn
                                                                               1998
```

#### 3- Print all books taken:

If no one took a book yet, this option will print "no books taken yet". Otherwise, it will print all members who took a book along with their information and the book's information.





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### 4- Print book taken by member:

This option will print "(member is not added)" if the member hasn't taken any book yet. Otherwise, it will print the member's information along with all the books they have taken.

### 5- Add book taken by member:

This option allows the user to add a book taken by a member. The user will be asked to provide the member's ID and the book's title.





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6- Exit:

This option allows the user to exit the program.

### Conclusion:

The Book Club program is a useful tool for managing a book club. It offers several options to the user, including adding members, books, and managing the borrowing of books. The program is written in C++ and is easy to use. The program can be further improved by adding more features like searching for books and members, updating member and book information, and keeping track of overdue books.