**Arusha Ramessur - M00940320 - A simple library management system**

Features:

* The librarian can add books and their quantities.
* The program can count the number of registered subscribers and verify their IDs.
* The librarian can enter subscribers’ data.
* Enter the date and data on who borrows a book and who returns a book.
* Print Book’s details and subscriber’s details.
* A menu for the librarian to choose whether to add books, register subscribers, who are borrowing/ returning a book, and if he wants to exit the program.

Organization of the project:

|  |  |  |
| --- | --- | --- |
| LibrarySystem | Book | subscribers |
| * Choice | * Book ID * Book Name * Author * Publication Date * Quantity * Section (where books are found) * Shelf number | * Sub ID * Name * Contact details * Address * Name of books borrow * Number of books borrowed |
| Main method  Create a book object.  Create a subscriber object.  Menu | * book * book (default constructor) * book (2nd constructor with parameters) * Print book data * Borrow book * Return book | * Subscriber * Subscriber (default constructor) * Subscriber (2nd constructor with parameters) * Borrow book * Return book * Register Subscribers * Verify subscribers |