Class Diagram

Library

Username
password

+login()
+logout()

User

name:string
id:int

+viewBooklist()
+search()

Account

borrowBooks:int/string
reservedBooks:int/string
returnBooks:int/string
fineAmount:int

+calculatePrice()
+calculateFine()

Books

title:string
authorName:string
publisher:string

+showBook()
+showPrice()

Librarian

name:string
id:int
password:string
operations:string

+search()
+addBooks()
+deleteBooks()
+issueBooks()
+returnBooks()
+sendEmail()