



Library

Library as / > |

- List<Book> booklist
- List<student> studentlist
- List<Librarian> Librarianlist
- final Librarian Librarian1
- List<BorrowBook> Borrowlist
- Manager manager
- user currentUser
- + V setManager(Manager manager)
- + Librarian getRandomLibrarian()
- + List<Book> getBookList()
- + student ببین ترتیب برده getter ✓ Librarian
- + V addBook(Book book, User user)
- + V registerstud(student student)
- + b signIn(i userId, s password)
- + b signInAsManager(,)
- + V signOut()
- + Librarian findlibbyname(s firstname, s lastname)
- + User getCurrentuser()
- + V addLibrarian(Librarian lib)
- + V requestBorrow(int lib, s isbn)
- + V confirmBorrow(i pendingIndex, Librarian confirm)
- + V requestReturn(i studentId, s isbn)
- + V confirmReturn(, , receiver)
- + student findstudent(i id)
- + Book findbook(s isbn)
- Borrowbook findActiveLoan
- POOMER (i studentId, string isbn)
- + List<BorrowBook> get~()

+ List<BorrowBook> gAL (i studentId)

// " gLH

(, ~)

// " gOL()

+ int gCI(i LibrarianID)

// " gRI(,)

+ List<Book> gIB (int topN)

+ // gLHbl (int LibrarianID)

+ List<BorrowBook> gLOS (i studentId)

Menu

- Scanner Scanner: new Scanner(System.in)
- Library library
- final FileHandler fh
- + V showMenu()
- + V showSignInMenu()
- + V authenticatestud()
- V authenticateMan()
- V authenticateLib()
- V showLibrarianMenu(Librarian librarian)
- V addBookAL()
- V showStudentMenu(student st)
- V searchBookMenu()
- + V showManagerMenu()
- V listLoans(List<BorrowBook> list)

FileHandler

- # s SL = "sp/ex/p"
- // " BL = "books.txt"
- // " SL = "students.txt"
- ~~~~~ LL = "Librarians.txt"
- ~~~~~ MF = "Manager.txt"
- ~~~~~ BF = "Borrowings.txt"
- path resolve(s file)
- + V saveAll(Library lib)
- // " loadAll(s libraryname)
- V saveBooks(List<Book> list)
- V loadBooks(Library lib)
- ~~~~~ ببین ترتیب برده student Borrowings + ✓ Librarians
- V saveManager(Manager m)
- V loadManager(Library lib)
- + V setCurrentUser(Manager m)

Main

LIB - Name

کتابخانه برای اجرای برنامه و مدیریت

کتابخانه

