

JUNE 23, 2021



SOFTWARE REQUIREMENTS SPECIFICATIONS

LIBRARY MANAGEMENT SYSTEM

HAMZA AFZAL 171 MUNIR 015 FAHAD 091 MUNEEBA 022
FARHAN 009

Contents

Introduction	2
Purpose	2
Specific Requirements	2
Author Information	2
Publisher Information	2
Books Information	3
Book Issue Information	3
Book Return Information	3
Functions	4
Class Diagram	5

Library Management System

Introduction

This software is a Library Management System in which a user can add Authors, Publishers, Books etc. User can issue a book and then receive a return to maintain the library.

Purpose

The main purpose of this software is to maintain the library with the help of computer or we can say that digitally maintenance of library. Second one is to facilitate the faculty to do their work.

Specific Requirements

Author Information

1. Author ID (Type Manual)
2. Author Name (Type Manual)
3. Author Type (Type Manual: Poetry/History/IT/Commerce....)
4. Home Town (Type Manual)
5. Date of Birth (Type Manual)

Publisher Information

1. Publisher ID (Type Manual)
2. Publisher Name (Type Manual)
3. Address (Type Manual)
4. Contact No (Type Manual)

Books Information

1. Book ID (Type Manual)
2. Book Name (Type Manual)
3. Book Type (Type Manual: Poetry/History/IT/Commerce....)
4. Book Price (Type Manual)
5. Author ID (Type Manual)
6. Author Name (Automatic according to author ID)
7. Publisher ID (Type Manual)
8. Publisher Name (Automatic according to Publisher ID)
9. Total Qty (Type Manual)

Book Issue Information

1. Issue ID (Type Manual)
2. Issue Date (Type Manual)
3. Due Date (Automatic after 7 Days of Issue Date)
4. Book ID (Type Manual)
5. Book Name (Automatic according to Book ID)
6. Book Type (Automatic according to Book ID)
7. Book Price (Automatic according to Book ID)
8. Author Name (Automatic according to Book ID)
9. Publisher Name (Automatic according to Book ID)
10. Reader Type (Type Manual student, professional, senior)
11. Issue Qty (Type Manual)
12. Remaining Books (According to book ID)

Book Return Information

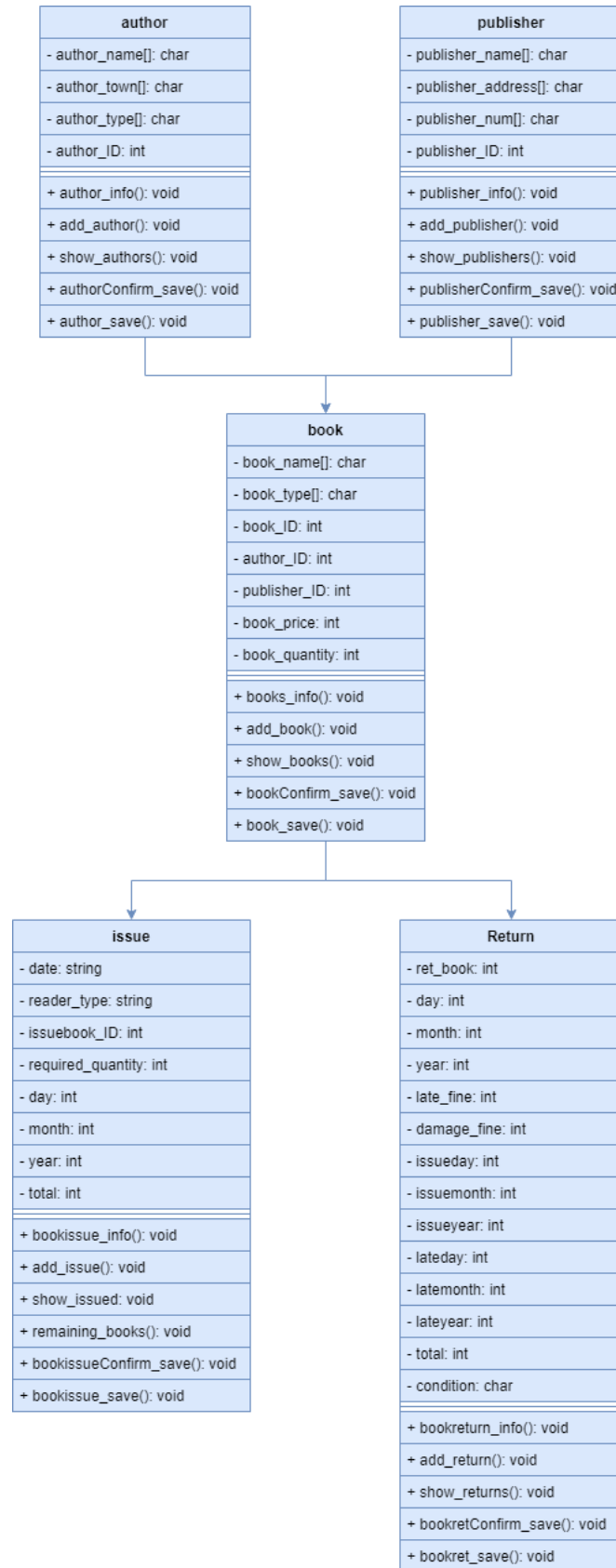
1. Return ID (Type Manual)
2. Issue Date (Type Manual)
3. Due Date (Automatic after 7 Days of Issue Date)
4. Return Date (Type Manual)
5. Book ID (Automatic according to issue id)
6. Book Name (Automatic according to issue id)
7. Book Type (Automatic according to issue id)
8. Book Price (Automatic according to issue id)
9. Author Name (Automatic according to issue id)
10. Publisher Name (Automatic according to issue id)
11. Book Condition (Type Manual: Damage/OK)
12. Damage Charges (Half charges of book price)
13. Late Days (Automatic according to Return and Due Date)
14. Late Days Charges (Auto Calculate according to Late Days). Per Day Fine: Rs.10
15. Total Charges (Auto Calculate)
16. Return Qty (Type Manual)

Functions

The software should perform the following functions:

- ❖ Add Author/s
- ❖ Add Publisher/s
- ❖ Add Book/s
- ❖ Issue Book/s
- ❖ Return Book/s
- ❖ Show remaining book/s

Class Diagram



Thank You

For Watching

