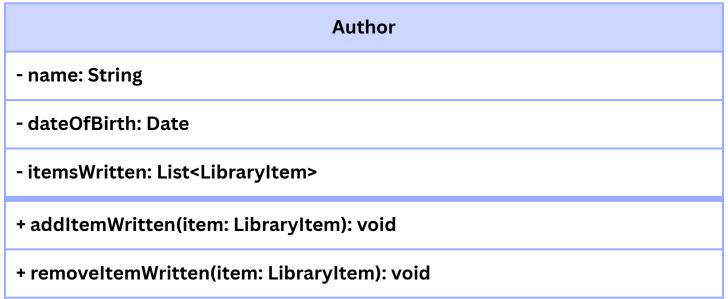
Class Diagram

Library Management System

Library
- items: List <libraryitem></libraryitem>
- authors: List <author></author>
- patrons: List <patron></patron>
+ addltem(item: LibraryItem): void
+ removeltem(item: LibraryItem): void
+ addAuthor(author: Author): void
+ removeAuthor(author: Author): void
+ addPatron(patron: Patron): void
+ removePatron(patron: Patron): void



LibraryItem - id: String - title: String - author: Author - ISBN: String - publisher: String - numCopies: int + borrowItem(patron: Patron): void + returnItem(patron: Patron): void

Patron
- name: String
- address: String
- phoneNum: String
- borrowedItems: List <libraryitem></libraryitem>
+ borrowItem(item: LibraryItem): void
+ returnItem(item: LibraryItem): void

Periodical
< <inherits libraryitem="">></inherits>
- type: String

Book
< <inherits libraryitem="">></inherits>
- type: String
Student
< <inherits patron="">></inherits>
Employee
< <inherits patron="">></inherits>