|  |
| --- |
| LMS Controller |
| -lmsService |
| +registerMember(UserInfo userinfo)  +deactivateMember(String userId)  +withdrawBook(String bookId)  +depositBook(String bookId)  +checkBookAvailablity(string bookiId)  +bookReissue(String userId, StringbookId)  +addBookinInventory(String bookId)  +removeBookfromInventory(String bookId)  +issueMembershipCard(String userId)  +memberEntry(string userid)  +memberExit(String userId)  +staffInformation(String emplyId) |

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| --- |
| LMS Service |
| DAO |
| +registerMember(UserInfo userinfo)  +deactivateMember(String userId)  +withdrawBook(String bookId)  +depositBook(String bookId)  +checkBookAvailablity(string bookiId)  +bookReissue(String userId, StringbookId)  +addBookinInventory(String bookId)  +removeBookfromInventory(String bookId)  +issueMembershipCard(String userId)  +memberEntry(string userid)  +memberExit(String userId)  +staffInformation(String emplyId) |

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| --- |
| User\_Detail |
| -username  -first\_name  -last\_name  -emailId  -date\_of\_birth  -gender  -registration\_number  -membership \_Startingdate  -membership\_endingdate  -contact\_number  -adderss  -is\_Active (y/n) |

|  |
| --- |
| Staff\_detail |
| -firstname  -lastname  -emailId  -date\_of\_birth  -gender  -employeeId  -job\_startingDate  -contactNumber  -address  -isActive |

|  |
| --- |
| book\_detail |
| -bookName  -bookAuthor  -bookId  -bookPublication  -bookEdition |

|  |
| --- |
| book\_inventory |
| -bookName  -bookId  -bookAuthor  -bookPublication  -bookEdition  -bookAvailability  -bookCount |