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| --- |
| **Library** |
| - name: String  -address: String |
| + Library()  + addBook():void  +removeBook():void  +addMember(): void  +removeMember(): void  +searchBook() +displayBooks(): void |

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**Section:-V**

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**Projects:- Library Management System**

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| ***FileOperations*** |
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| *+saveToFile(): void*  +loadFromFile*():* void |

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| **Book** |
| - title: String  -author: String |
| +Book()  +getTitle() String  +getAuthor(): String |

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| **Librarian** |
| -employeeId: String |
| +Librarian()  +getEmployeeId(): String  +addBook():void  +removeBook():void  +addMember(): void  +removeMember(): void  +getMembershipId():String |

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| --- |
| ***LibraryMember*** |
| -name: String  -address: String  + filename: String  + contentToWrite: String  +contentRead: String |
| + getName(): String  +getAddress(): String  *+getMembershipId(): String*  + saveToFile: void  +loadFromFile(): void |

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| **Student** |
| -studentId: String |
| +Student()  +getStudentId(): String  +getMembershipId():String |

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| --- |
| **Faculty** |
| -facultyId: String |
| +Faculty()  +getFacultyId(): String  +getMembershipId():String |

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| **LibraryManagementSystem** |
|  |
| + main(String[]) : void |