Model::Main

LIBRARY MANAGEMENT

Library
+libraryName: string

+addBook()
+removeBook()
+registerMember()
+issue()
+return()

PrintedBook
+id: string
+noOfPages: int

+has

Book
+bookId: string {ordered}
+title: string {unique}
+author: string

+checkAvailability()

BorrowTransaction
+id: string
+date: date
+duedate: date

+calFine()

BorrowedDetails
+borrowedDate
+condition

+calculatePenalty()

Member
+id: string
+name: string
+email: string

+borrow()
+return()

+has

+borrows

1   0..*   +has   1..*   1

EBook
+fileSize: double
+id: string

+download()

Librarian
+id: string

+add()
+remove()
+issueFine()