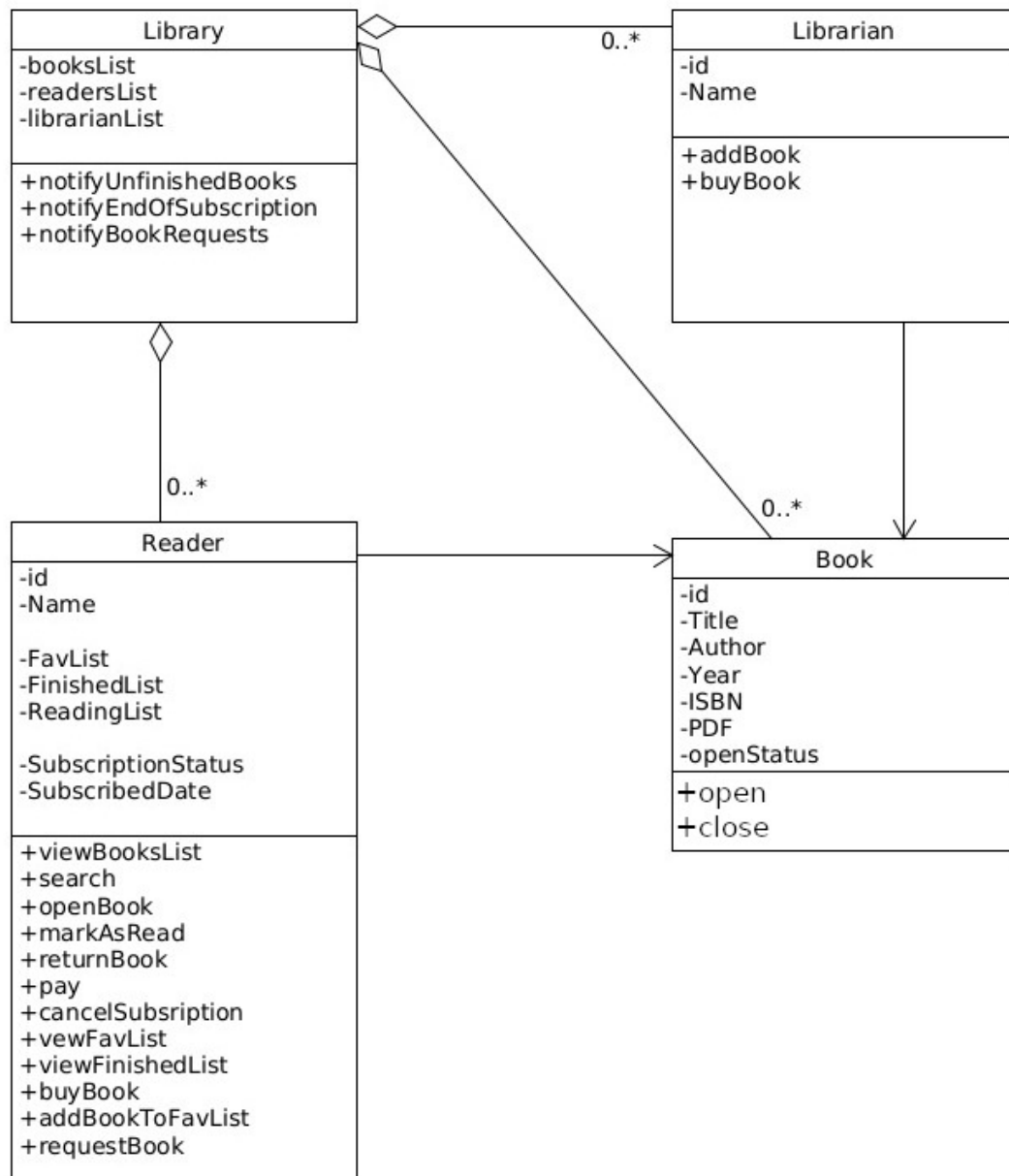Object Oriented Software Design - CS2062
Group Project
Assignment 2
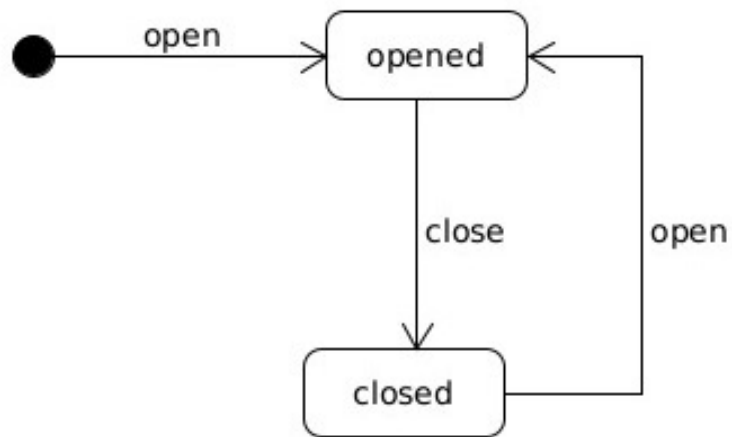
Team 10 - Deck of Aces

Akila Induranga   (190239A)
Aruna Senanayake   (190576D)
Bhanuja Sasanka   (190152B)
Samadhi Divyanjalee   (190159D)

Class diagram

Library

-booksList
-readersList
-librarianList

+notifyUnfinishedBooks
+notifyEndOfSubscription
+notifyBookRequests

Librarian

-id
-Name

+addBook
+buyBook

0..*

Reader

-id
-Name

-FavList
-FinishedList
-ReadingList

-SubscriptionStatus
-SubscribedDate

+viewBooksList
+search
+openBook
+markAsRead
+returnBook
+pay
+cancelSubsription
+vewFavList
+viewFinishedList
+buyBook
+addBookToFavList
+requestBook

0..*

Book

-id
-Title
-Author
-Year
-ISBN
-PDF
-openStatus

+open
+close

0..*

State chart diagram for open/close status of a book

State chart diagram for subcription status of a reader