admin : Administrator

account = admin
Gender = 男
name = 唐僧

r1 : Reader

readerId = z001
Gender = 男
name = 至尊宝

r2 : Reader

readerId = z002
Gender = 女
name = 紫霞仙子

: BorrowInfo

bookId = B001
readId = z001
state = borrowed

: BorrowInfo

bookId = B003
readId = z002
state = returned

b1 : Book

author = 如来
bookId = B001
name = 如来神掌
publish = 西天出版社

b2 : Book

author = 金庸
bookId = B002
name = 降龙十八掌
publish = 天宫出版社

b3 : Book

author = 无
bookId = B003
name = 列女传
publish = 人间出版社

User

-name : String
-Gender : String

+add(user : User) : void

Administrator

-account : String

+add()
+delete()

Reader

-readerId : String

+add()
+delete()

BorrowInfo

Book

-bookId : String
-name : String
-author : String
-publish : String

+addBook(book : Book) : boolean
+deleteBook(book : Book) : boolean

BorrowInfo

-bookId : String
-readId : String
-state : String

+borrowBook()
+returnBook()

Class Definitions

Company

ContactInformation
-address : String

Department
-name : String

Person
-name : String
-id : String
-rank : String

Object Diagram

c : Company

d1 : Department
name = Sales

d2 : Department
name = R&D

d3 : Department
name = US Sales

p : Person
id = 4362
name = Erin
rank = VP of Sales

: ContactInformation
address = 1472 Miller St