Library design

Classes

Book

Book ID（自动）

serial

Title

Author

image

Description

Category(N/A, art (academic, entertainment, social), science (Nature, industry, technology))

Location

Status

Period (how long can one reader borrow at most)

User

ID

Username

Password

Type (Admin Member Visitor)

Quota

Possessions

Announcement

Id

Title

Detail

Date

sender

Functions

|  |  |  |  |
| --- | --- | --- | --- |
| Function name | description | user |  |
| Sign up |  | visitor |  |
| Log in |  | visitor |  |
| Log out |  | Admin & member |  |
| list |  |  |  |
| create | Create book | admin |  |
| delete | Delete book | admin |  |
| update | Update information | admin |  |
| broadcast | Make announcement on the web page | admin |  |
| DelBroadcast | Remove broad cast. |  |  |
| search | Search by title, author, category | Admin & member & visitor | Paginate (10 books in one page，pagination to the next page) |
| borrow | Borrow a book and this book cannot be borrow by another person at the same time. The quota will be counted down by one. | member |  |
| request | Request the book that is in possession of other members. Add the member who request the book to the waiting list. | member |  |
| delRequest |  |  |  |
|  |  |  |  |
|  |  |  |  |